ECU COURSE CATALOG

ALL COURSES

ACCOUNTING (ACCT)

ACCT-2003 Financial and Managerial Accounting for Non-Business Majors **3 Credits**
THIS COURSE PROVIDES A SURVEY OF ACCOUNTING CONCEPTS AND PROCEDURES THAT WILL ENABLE STUDENTS TO BE INFORMED USERS OF FINANCIAL INFORMATION IN A BUSINESS SETTING. THIS COURSE MAY NOT BE SUBSTITUTED FOR ACCT 2103 FINANCIAL ACCOUNTING OR ACCT 2203 MANAGERIAL ACCOUNTING.

ACCT-2103 Financial Accounting **3 Credits**
THE STUDY OF CONCEPTS AND PROCEDURES FOR PREPARATION OF GENERAL PURPOSE FINANCIAL STATEMENTS USING GENERALLY ACCEPTED ACCOUNTING PRINCIPLES.

ACCT-2203 Managerial Accounting **3 Credits**
MANAGERIAL ACCOUNTING CONCEPTS AND OBJECTIVES, PLANNING AND CONTROL OF SALES AND COSTS, ANALYSIS OF COSTS AND PROFITS FOR MANAGEMENT DECISION MAKING. Required Previous: ACCT-2103 with a grade of C or higher.

ACCT-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-3203 Cost Accounting I **3 Credits**
ELEMENTARY PRINCIPLES OF COST ACCOUNTING; INTERNAL RECORDS OF MANUFACTURING BUSINESS; PROCESS AND JOB COST ACCOUNTING. Required Previous: ACCT-2203 with a grade of B or higher or department approval.

ACCT-3303 Intermediate Accounting I **3 Credits**
A COMPREHENSIVE STUDY OF FINANACIAL ACCOUNTING WITH EMPHASIS ON THE EVALUATION AND TREATMENT OF ASSETS AND THEIR RELATED INCOME STATEMENT ACCOUNTS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-3383 Federal Income Tax Accounting **3 Credits**
ACCOUNTING FOR INDIVIDUAL INCOME TAX REQUIREMENTS; PREPARATION OF INDIVIDUAL INCOME TAX RETURNS; TAX FORMS; AND INCOME TAX PROBLEMS. SPECIALIZED TOPICS INCLUDE TAXABLE AND NON-TAXABLE INCOME, BUSINESS DEDUCTIONS, DEPRECIATION, ITEMIZED DEDUCTIONS, EXEMPTIONS, FILING STATUS, GAINS AND LOSSES, AND TAX CREDITS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-3403 Intermediate Accounting II **3 Credits**
A CONTINUATION OF THE STUDY OF THE PRINCIPLES OF FINANCIAL ACCOUNTING THEORY AND PRACTICE. PRIMARY TOPICS INCLUDE STOCKHOLDERS EQUITY, DEBT, EQUITY, AND EARNINGS PER SHARE CALCULATION. Required Previous: ACCT-3303 with a grade of C or higher or department approval.

ACCT-3413 Business Ethics for Accountants **3 Credits**
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213.

ACCT-3423 Community Tax Preparation **3 Credits**
THIS COURSE WILL BE OPERATED UNDER THE NATIONAL VOLUNTEER INCOME TAX ASSISTANCE (VITA) PROGRAM. STUDENTS WILL PREPARE AND E-FILE TAX RETURNS FOR CLIENTS WITH LIMITED AND FIXED INCOMES. THE VITA EXPERIENCE CREATES AN ENVIRONMENT IN WHICH THE STUDENT CAN APPLY CLASSROOM KNOWLEDGE IN A PROFESSIONAL SETTING THAT FULFILLS AN UNMET COMMUNITY NEED. Required Previous: ACCT-3383 or department approval

ACCT-3453 Advanced Computer Accounting Applications **3 Credits**
STUDY OF ADVANCED TECHNIQUES FOR ADDRESSING COMPLEX ACCOUNTING AND BUSINESS PROBLEMS USING MICROCOMPUTER SOFTWARE PACKAGES. SOFTWARE PACKAGES USED INCLUDE ADVANCED MICROSOFT EXCEL, VISUAL BASIC, AND QUICKBOOOKS. ADDITIONAL DATABASE MANAGEMENT, PROJECT SCHEDULER, AND STATISTICAL PACKAGES MAY ALSO BE USED. Required Previous: ACCT-2203 with a grade of B or higher or departmental approval.

ACCT-3713 Governmental and Non-Profit Accounting **3 Credits**
STUDY OF GOVERNMENTAL AND NON-PROFIT ACCOUNTING. FINANCIAL STATEMENT PRESENTATION AND FUND ACCOUNTING FOR PUBLIC ENTITIES ARE EMPHASIZED. Required Previous: ACCT-3303 or departmental approval.

ACCT-3843 Accounting Information Systems **3 Credits**
THE STUDY OF THE ACCOUNTING SYSTEMS OF ORGANIZATIONS. EMPHASIS WILL BE DEVOTED TO THE TOPICS OF (A) THE CONCEPTS UNDERLYING THE DESIGN AND USE OF AN EFFECTIVE ACCOUNTING INFORMATION SYSTEM, (B) THE PARTICIPATION OF MANAGERS AND FUNCTIONAL SPECIALISTS IN THE

DEVELOPMENT OF ACCOUNTING SYSTEMS, (C) ADVANCED TECHNOLOGY CONCEPTS SUCH AS DATA BASES, INTERNET AND ELECTRONIC DATA INTERCHANGE, AND (D) CONTROL AND AUDIT OF EDP SYSTEMS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-4103 Fundamentals of Fraud Examination 3 Credits
THIS COURSE INTRODUCES THE PRINCIPLES OF FRAUD EXAMINATION, FOCUSING ON TYPES OF OCCUPATIONAL FRAUD, INCLUDING ASSET MISAPPROPRIATION, CORRUPTION, AND FINANCIAL STATEMENT FRAUD. STUDENTS WILL LEARN KEY TECHNIQUES IN FRAUD PREVENTION, DETECTION, AND INVESTIGATION, WITH AN EMPHASIS ON INTERNAL CONTROLS AND ETHICAL CONSIDERATIONS. THROUGH CASE STUDIES AND PRACTICAL EXERCISES, THE COURSE EQUIPS STUDENTS WITH THE SKILLS NEEDED TO IDENTIFY FRAUD RISKS AND APPLY INVESTIGATIVE METHODS ESSENTIAL FOR CARE Required Previous: Take ACCT-2203

ACCT-4203 Advanced Cost Accounting 3 Credits
CONTINUATION OF ACCT 3203. EMPHASIS IS PLACED ON ADVANCED COST ANALYSIS AND MANAGERIAL TOPICS. TOPICS COVERED INCLUDE DECISION MAKING MODELS, INVENTORY MANAGEMENT, JIT SYSTEMS, MATERIAL PLANNING, ACTIVITY BASED COSTING, ETC., AS THEY RELATE TO ASSISTING MANAGEMENT IN ITS PRODUCTION FUNCTIONS. Required Previous: ACCT-3203 with a grade of B or higher or department approval.

ACCT-4303 Advanced Accounting 3 Credits
ACCOUNTING FOR PARTNERSHIPS AND BRANCH OPERATIONS, BUSINESS COMBINATIONS AND CONSOLIDATED FINANCIAL STATEMENTS, REPORTING SEGMENTS FOR INTERIM PERIODS, AND TO THE SEC, FOREIGN CURRENCY TRANSLATIONS AND TRANSACTIONS, AND ACCOUNTING FOR FIDUCIARIES. Required Previous: ACCT-3403 or departmental approval.

ACCT-4353 Oil and Gas Accounting 3 Credits
A STUDY OF OIL AND GAS ACCOUNTING PRACTICES. TOPICS INCLUDE ACCOUNTING FOR LEASES, SUBLEASES, FREE WELLS, FARMOUTS, CARRIED INTERESTS, ACQUISITION COSTS, EXPLORATION AND DEVELOPMENT COSTS, OPERATING COSTS, JOINT INTEREST COSTS, AND REVENUE ACCOUNTING IN THE OIL AND GAS INDUSTRY. Required Previous: ACCT-4503 or departmental approval.

ACCT-4453 Short-Term Financial Management 3 Credits
AN IN-DEPTH STUDY OF SHORT-TERM FINANCIAL MANAGEMENT AND FINANCIAL STATEMENT ANALYSIS. TOPICS INCLUDE CASH MANAGEMENT, CREDIT AND COLLECTIONS, PAYABLES MANAGEMENT, BANK RELATIONS, SHORT-TERM INVESTING AND BORROWING, AND MANAGEMENT OF INTEREST RATE AND FOREIGN EXCHANGE RISKS. THE CLASS WILL PROVIDE PREPARATION FOR STUDENTS WISHING TO TAKE THE CERTIFIED TREASURY PROFESSIONAL ASSOCIATE (CTPA) EXAM. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

ACCT-4503 Auditing 3 Credits
AUDIT PROCEDURES; METHODS OF EXAMINATION OF FINANCIAL STATEMENTS; PREPARATION OF AUDIT WORKING PAPERS, STATEMENTS AND REPORTS. Required Previous: 18 hours from Accounting.

ACCT-4513 Auditing II 3 Credits
IN DEPTH STUDY OF ADVANCED TOPICS IN AUDITING. THESE ADVANCED TOPICS WILL INCLUDE AUDITING STANDARDS, AUDITING PRACTICE, AND CURRENT TOPICS IN AUDITING. Required Previous: ACCT-4503 or departmental approval.

ACCT-4621 Internship in Accounting 1 Credit
MINIMUM OF EIGHT WEEKS ON-THE-JOB EXPERIENCE RELATED TO ACCOUNTING. DAILY JOURNAL AND A WRITTEN REPORT RELATING THE WORK EXPERIENCE TO THE STUDENT'S ACCOUNTING MAJOR REQUIRED. OSCPA INTERNSHIP CERTIFICATE MAY BE ACCEPTED IN SUBSTITUTION. INTERNSHIP REQUIRES PRIOR APPROVAL AND WRITTEN AGREEMENT BETWEEN THE STUDENT AND THE DEPARTMENT. Required Previous: ACCT-3203 or departmental approval.

ACCT-4622 Internship in Accounting 2 Credits
MINIMUM OF EIGHT WEEKS ON-THE-JOB EXPERIENCE RELATED TO ACCOUNTING. DAILY JOURNAL AND A WRITTEN REPORT RELATING THE WORK EXPERIENCE TO THE STUDENT'S ACCOUNTING MAJOR REQUIRED. OSCPA INTERNSHIP CERTIFICATE MAY BE ACCEPTED IN SUBSTITUTION. INTERNSHIP REQUIRES PRIOR APPROVAL AND WRITTEN AGREEMENT BETWEEN THE STUDENT AND THE DEPARTMENT. Required Previous: ACCT-3203 or departmental approval.

ACCT-4623 Internship in Accounting 3 Credits
MINIMUM OF EIGHT WEEKS ON-THE-JOB EXPERIENCE RELATED TO ACCOUNTING. DAILY JOURNAL AND A WRITTEN REPORT RELATING THE WORK EXPERIENCE TO THE STUDENT'S ACCOUNTING MAJOR REQUIRED. OSCPA INTERNSHIP CERTIFICATE MAY BE ACCEPTED IN SUBSTITUTION. INTERNSHIP REQUIRES PRIOR APPROVAL AND WRITTEN AGREEMENT BETWEEN THE STUDENT AND THE DEPARTMENT.

ACCT-4703 Accounting Theory 3 Credits
A REVIEW OF FINANCIAL ACCOUNTING STANDARDS BOARD PRONOUNCEMENTS AND ACCOUNTING RESEARCH STUDIES. EMPHASIS IS PLACED ON TOPICS COVERED IN THE ACCOUNTING THEORY PORTION OF THE UNIFORM CPA EXAMINATION. Required Previous: 24 credits from subject ACCT.

ACCT-4723 Financial Statement Analysis 3 Credits
A DETAILED CASE STUDY OF TECHNIQUES AND PROCEDURES FOR ANALYZING FINANCIAL STATEMENTS OF CORPORATIONS WITHIN DIFFERENT INDUSTRIES. Required Previous: ACCT-3303 or departmental approval.

ACCT-4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4982 Seminar- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4983 Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4984 Seminar- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4991 Individual Studies- 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TOSELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TOSELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TOSELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-5023 Development of Accounting Theory 3 Credits
EXAMINES CONTEMPORARY FINANCIAL REPORTING ISSUES BOTH FROM A HISTORICAL CONTEXT AND IN TERMS OF THE EXTANT INSTITUTIONAL, ETHICAL, AND REGULATORY ENVIRONMENT. CASES AND OPEN-ENDED RESEARCH ASSIGNMENTS ARE USED TO HELP STUDENTS DEVELOP A FRAMEWORK FOR EXERCISING JUDGMENT WHEN THE LITERATURE PROVIDES NO DIRECT PRESCRIPTION ABOUT CORRECT REPORTING. Required Previous: ACCT-3403

ACCT-5043 Special Topics in Accounting- 3 Credits
IN DEPTH STUDY OF SELECTED ACCOUNTING TOPICS. MAY BE REPEATED FOR CREDIT WHEN TOPICS VARY. Required Previous: ACCT-3203

ACCT-5073 Advanced Auditing 3 Credits
AN IN-DEPTH STUDY OF ADVANCED TOPICS IN AUDITING. THE COURSE WILL PROVIDE THE STUDENT WITH A SOLID UNDERSTANDING OF THE METHODS AND PROCEDURES USED BY PUBLIC ACCOUNTING FIRMS IN PERFORMING EXAMINATIONS OF FINANCIAL STATEMENTS OF PUBLIC, PRIVATE, NON-PROFIT, AND GOVERNMENTAL ENTITIES. THE COURSE WILL COVER TOPICS THAT INCLUDE AUDITING STANDARDS, AUDITING PRACTICE, AND CURRENT TOPICS IN AUDITING. Required Previous: ACCT-4503

ACCT-5103 Financial Statement Analysis 3 Credits
A DETAILED STUDY OF TECHNIQUES AND PROCEDURES FOR ANALYZING FINANCIAL STATEMENTS OF CORPORATE ENTITIES WITHIN VARIOUS INDUSTRIES. Required Previous: FIN-3113

ACCT-5113 Accounting for Managers 3 Credits
A STUDY OF ACCOUNTING CONCEPTS AND REPORTING TECHNIQUES APPLIED IN A MANAGEMENT DECISION-MAKING CONTEXT. STUDENTS ANALYZE ACCOUNTING DATA FROM REAL-WORLD CASE STUDIES AND PRESENT THEIR ANALYSIS, CONCLUSIONS AND RECOMMENDATIONS. TOPICS COVERED WILL INCLUDE COST ACCOUNTING AND THE BEHAVIOR OF COSTS, BUDGETING, DIFFERENTIAL ANALYSIS AND RESPONSIBILITY ACCOUNTING. REPORTING TECHNIQUES INVOLVING THE USE OF CURRENT SPREADSHEET AND GRAPHIC PRESENTATION TECHNOLOGY WILL BE PRESENTED.

ACCT-5123 Tax Compliance and Planning 3 Credits
THE OBJECTIVE OF THIS COURSE IS TO BROADEN THE ABILITY OF THE STUDENT TO ENGAGE IN TAX COMPLIANCE, TAX RESEARCH, AND PERSONAL AND FINANCIAL TAX PLANNING WITH A FOCUS ON THE DEVELOPMENT OF SKILLS NECESSARY TO RESOLVE ISSUES IN THE TAX PRACTICE. Required Previous or Concurrent: ACCT-5203;

ACCT-5203 Advanced Federal Income Tax Accounting 3 Credits
AN IN-DEPTH STUDY OF ADVANCED TOPICS IN TAXATION. THE COURSE WILL PROVIDE THE STUDENT WITH A SOLID UNDERSTANDING OF THE METHODS AND PROCEDURES USED BY PUBLIC ACCOUNTING FIRMS IN PERFORMING FEDERAL INCOME TAX RETURNS OF INDIVIDUALS, CORPORATIONS, PARTNERSHIPS, ESTATES, AND TRUSTS. THE COURSE WILL COVER TOPICS THAT INCLUDE FEDERAL TAX LAW, CORPORATIONS, FLOW-THROUGH ENTITIES, TAX PLANNING AND RESEARCH, AND CURRENT TOPICS IN TAXATION. Required Previous: ACCT-3383

ACCT-5303 Forensic Accounting and Fraud Examination 3 Credits
AN IN DEPTH STUDY OF ORGANIZATIONAL FRAUD SCHEMES AND METHODS FOR DETECTING, INVESTIGATING, AND PREVENTING FRAUD. Required Previous: ACCT-4503

ACCT-5403 CPA Prep 3 Credits
THE COURSE IS DESIGNED TO PREPARE STUDENTS TO TAKE EACH OF THE FOUR SECTIONS OF THE UNIFORM CPA EXAM.

ACCT-5953 Internship in Accounting 3 Credits
PROVIDES EXPERIENTIAL LEARNING DURING WHICH THE STUDENT WORKS UNDER THE SUPERVISION OF AN ACCOUNTING PRACTITIONER. THIS WORK EXPERIENCE MAYBE IN A PUBLIC, INDUSTRY, OR GOVERNMENT ACCOUNTING UNIT. THE STUDENT IS IMMERSED IN A VARIETY OF INTENSIVE WORK ASSIGNMENTS WITH INCREASING LEVELS OF RESPONSIBILITY. LIMITED TO STUDENTS ADMITTED TO MASTERS OF SCIENCE IN ACCOUNTING-PROFESSIONAL TRACK.

ACCT-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. WORKMAY BE DONE IN ANY AREAS OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. WORKMAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. WORKMAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-H2103 Honors-Financial Accounting 3 Credits
THE STUDY OF CONCEPTS AND PROCEDURES FOR PREPARATION OF GENERAL PURPOSE FINANCIAL STATEMENTS USING GENERALLY ACCEPTED ACCOUNTING PRINCIPLES.

ACCT-H3203 Honors-Cost Accounting I 3 Credits
ELEMENTARY PRINCIPLES OF COST ACCOUNTING; INTERNAL RECORDS OF MANUFACTURING BUSINESS; PROCESS AND JOB COST ACCOUNTING. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-H3383 Honors-Federal Income Tax Accounting 3 Credits
ACCOUNTING FOR INDIVIDUAL INCOME TAX REQUIREMENTS; PREPARATION OF INDIVIDUAL INCOME TAX RETURNS; TAX FORMS; AND INCOME TAX PROBLEMS. SPECIALIZED TOPICS INCLUDE TAXABLE AND NON-TAXABLE INCOME, BUSINESS DEDUCTIONS, DEPRECIATION, ITEMIZED DEDUCTIONS, EXEMPTIONS, FILING STATUS, GAINS AND LOSSES, AND TAX CREDITS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-H3403 Honors-Intermediate Accounting II 3 Credits
A CONTINUATION OF THE STUDY OF THE PRINCIPLES OF FINANCIAL ACCOUNTING THEORY AND PRACTICE. PRIMARY TOPICS INCLUDE STOCKHOLDERS EQUITY, DEBT, EQUITY, AND EARNINGS PER SHARE CALCULATION. Required Previous: ACCT-3303 with a grade of C or higher or department approval.

ACCT-H3413 Honors-Business Ethics for Accountants 3 Credits
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213. Required Previous: BUCOM-3133 or departmental approval.

ACCT-H3713 Honors-Governmental and Non-Profit Accounting 3 Credits
STUDY OF GOVERNMENTAL AND NON-PROFIT ACCOUNTING. FINANCIAL STATEMENT PRESENTATION AND FUND ACCOUNTING FOR PUBLIC ENTITIES ARE EMPHASIZED. Required Previous: ACCT-3303 or departmental approval.

ACCT-H4203 Honors-Advanced Cost Accounting 3 Credits
CONTINUATION OF ACCT 3203. EMPHASIS IS PLACED ON ADVANCED COST ANALYSIS AND MANAGERIAL TOPICS. TOPICS COVERED INCLUDE DECISION MAKING MODELS, INVENTORY MANAGEMENT, JIT SYSTEMS, MATERIAL PLANNING, ACTIVITY BASED COSTING, ETC., AS THEY RELATE TO ASSISTING MANAGEMENT IN ITS PRODUCTION FUNCTIONS. Required Previous: ACCT-3203 with a grade of B or higher or department approval.

ACCT-H4503 Honors-Auditing 3 Credits
AUDIT PROCEDURES; METHODS OF EXAMINATION OF FINANCIAL STATEMENTS; PREPARATION OF AUDIT WORKING PAPERS, STATEMENTS AND REPORTS. Required Previous: BSEC-2603 or departmental approval.

ACCT-H5983 Honors-Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: 12 hours of Accounting.

ANTHROPOLOGY (ANTH)

ANTH-2003 Introduction to Cultural Resource Management 3 Credits
THIS COURSE INTRODUCES STUDENTS TO THE LAWS AND PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH AN EMPHASIS ON NATIVE AMERICAN CULTURAL RESOURCES.

ANTH-2523 Native Peoples of North America 3 Credits
INTRODUCTION TO THE NATIVE PEOPLES, SOCIETIES, AND CULTURES NORTH OF MEXICO FROM PRE-COLUMBIAN TIMES TO THE PRESENT.

ANTH-2713 Introduction to Cultural Anthropology 3 Credits
AN EXAMINATION OF HUMAN CULTURAL DIVERSITY.

ANTH-3003 Archaeological Theory & Methods 3 Credits
THIS COURSE PROVIDES STUDENTS WITH THE TOOLS THEY WILL NEED TO CONDUCT ARCHAEOLOGICAL RESEARCH ALONG WITH AN UNDERSTANDING OF THE HISTORICAL, THEORETICAL, AND METHODOLOGICAL UNDERPINNINGS OF THE DISCIPLINE.

ANTH-4503 Archaeological Field School **3 Credits**
HANDS-ON TRAINING IN THE METHODS AND TECHNIQUES OF ARCHAEOLOGICAL FIELDWORK AT SITES WITHIN THE LOCAL AREA. THE COURSE IS REPEATABLE UP TO SIX (6) CREDIT HOURS. Required Previous: ANTH-2003

ANTH-4981 Seminar in Cultural Resource Management (Subject named in the title listing) **1 Credit**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-4982 Seminar in Cultural Resource Management (Subject named in title listing) **2 Credits**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-4983 Seminar in Cultural Resource Management (Subject named in title listing) **3 Credits**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-4984 Seminar in Cultural Resource Management (Subject named in title listing) **4 Credits**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-H2523 Honors-Native Peoples of North America **3 Credits**
INTRODUCTION TO THE NATIVE PEOPLES, SOCIETIES, AND CULTURES NORTH OF MEXICO FROM PRE-COLUMBIAN TIMES TO THE PRESENT.

ART (ART)

ART-1123 Computers for Creatives **3 Credits**
A COURSE THAT INTRODUCES THE CREATIVE STUDENT TO THE MOST COMMON SOFTWARE IN USE IN THE CREATIVE SPHERE. STUDIES INCLUDE, BUT ARE NOT LIMITED TO THE ADOBE CREATIVE SUITE, AS WELL AS SOFTWARE FOR CAPTURING AND MANIPULATING THREE DIMENSIONAL OBJECTS AND OTHER TECHNOLOGY COMMONLY USED BY CREATIVES.

ART-1133 Drawing I **3 Credits**
INTRODUCTORY LAB COURSE IN DRAWING LOGIC. STUDY INCLUDES THE HISTORY AND THEORY OF DRAWING, THE DEVELOPMENT OF DRAWING ACCURACY AND KNOWLEDGE OF DRAWING MATERIALS AND TECHNIQUES.

ART-1143 Theory and Social Practice **3 Credits**
AN INTRODUCTION TO COMMON CONTEMPORARY ARTISTIC THEORIES. THEORIES INCLUDE: SEMIOTICS AND STRUCTURALISM, DECONSTRUCTION AND POST STRUCTURALISM, PSYCHOANALYSIS AND IDENTITY, FEMINIST AND QUEER THEORY, POSTCOLONIAL THEORY, SOCIOECONOMIC THEORY, PHENOMENOLOGY AND POST HUMANISM.

ART-1213 Two Dimensional Design **3 Credits**
INTRODUCTORY LAB COURSE IN TWO-DIMENSIONAL DESIGN. STUDY INCLUDES THE HISTORY AND THEORY OF TWO-DIMENSIONAL DESIGN, THE PRINCIPLES OF DESIGN ORGANIZATION, AND THE APPLICATION OF PLASTIC ELEMENTS TO SOLVE DESIGN PROBLEMS.

ART-1313 Three Dimensional Design **3 Credits**
INTRODUCTORY LAB COURSE IN THREE-DIMENSIONAL DESIGN. STUDY INCLUDES THE HISTORY AND THEORY OF THREE-DIMENSIONAL DESIGN, THE PRINCIPLES OF DESIGN ORGANIZATION, AND THE APPLICATION OF PLASTIC ELEMENTS TO SOLVE DESIGN PROBLEMS.

ART-2103 Integrated Studio I **3 Credits**
A COURSE IN WHICH THE STUDENT EMPLOYS MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-2153 Typography I **3 Credits**
THIS COURSE EXAMINES THE BASICS OF TYPOGRAPHY AS A COMPOSITIONAL TOOL. STUDENTS WILL EXPLORE THE ARCHITECTURE OF SINGLE LETTERFORMS, THE PRINCIPLES OF SETTING TYPE, PAGE LAYOUT, AND PUBLICATION DESIGN. STUDENTS WILL RESEARCH AND PRESENT THEIR FINDINGS ON THE HISTORY OF TYPOGRAPHY. ALL ASPECTS OF TYPOGRAPHY ARE LEARNED THROUGH IN-CLASS DEMONSTRATIONS AND STUDIO WORK. THERE IS AN EMPHASIS ON TECHNICAL PROBLEM SOLVING AND AESTHETIC USE OF DISPLAY AND TYPE.

ART-2213 Watercolor I **3 Credits**
AN INTRODUCTORY COURSE IN WATERCOLOR PAINTING. STUDY INCLUDES HISTORY AND THEORY OF WATERCOLOR, THE DEVELOPMENT OF TECHNIQUES AND SKILLS WORKING WITH WATERCOLOR, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE WATERCOLOR PROBLEMS.

ART-2233 Art in Life **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN CULTURES EMPHASIZING AMERICAN AND EUROPEAN CULTURES AS MANIFESTED IN VISUAL ART AND ARCHITECTURE FROM PREHISTORIC TIMES TO PRESENT.

ART-2243 Art History Survey I **3 Credits**
PALEOLITHIC ART THROUGH THE HIGH GOTHIC PERIOD (35,000 B.C. - 1300 A.D.).

ART-2253 Art History Survey II **3 Credits**
RENAISSANCE ART THROUGH CONTEMPORARY ART (1300 A.D. TO THE PRESENT).

ART-2273 Survey of Multicultural Art **3 Credits**
A STUDY OF SIGNIFICANT IDEAS MANIFESTED IN THE VISUAL ART AND ARCHITECTURE OF NON-WESTERN CULTURES FROM THE PALEOLITHIC PERIOD TO TODAY.

ART-2313 Painting I **3 Credits**
AN INTRODUCTORY COURSE IN OIL AND/OR ACRYLIC PAINTING. STUDY INCLUDES HISTORY AND THEORY OF PAINTING, THE DEVELOPMENT OF SKILLS AND TECHNIQUES OF PAINTING, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE VISUAL PROBLEMS.

ART-2423 Color Theory **3 Credits**
IN THIS COURSE STUDENTS APPLY COLOR PRINCIPLES TO A VARIETY OF DESIGN PROBLEMS AND DEVELOP THE ABILITY TO WORK IN BOTH EXPRESSIVE AND FORMAL MANNER.

ART-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2943 Principles of Graphic Design **3 Credits**
THIS COURSE EXAMINES THE PRINCIPLES OF GRAPHIC DESIGN THROUGH EXERCISES AND ASSIGNMENTS GEARED TOWARD EXPERIMENTATION AND EXPRESSION OF TYPE, WITH EMPHASIS ON THE GRAPHIC DESIGN PROCESS. TOPICS INCLUDE BASIC TERMINOLOGY, PRINCIPLES AND FUNDAMENTALS, COMPREHENSION OF THE VISUAL LANGUAGE AND THE HISTORY OF GRAPHIC DESIGN. STUDENTS WILL LEARN TO USE THE ADOBE SUITE SOFTWARE IN PREPARATION OF COMMERCIAL APPLICATIONS IN PRINT BASED MEDIA. FOUNDATIONAL COURSE FOR THE ADVANCED COURSES IN GRAPHIC DESIGN

ART-3103 Integrated Studio II **3 Credits**
AN INTERMEDIATE COURSE IN WHICH THE STUDENT EMPLOYS MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-3133 Drawing II **3 Credits**
AN ADVANCED COURSE IN DRAWING LOGIC. EMPHASIS UPON THE DEVELOPMENT OF DRAWING ACCURACY REGARDING PERSPECTIVE, LINE, VALUE, TEXTURE, AND COMPOSITION. Required Previous: Art-1133

ART-3143 Drawing III **3 Credits**
AN ADVANCED DRAWING COURSE CONTINUING STUDY STARTED IN DRAWING II, GREATER FOCUS ON COMPOSITION AND THEMATIC INTERPRETATIONS IN DRAWING. Required Previous: ART-3133

ART-3153 Typography II **3 Credits**
THIS COURSE EXAMINES TYPOGRAPHY AS A COMPOSITIONAL TOOL. STUDENT WILL EXPLORE THE ARCHITECTURE OF SINGLE LETTERFORMS, THE PRINCIPLES OF SETTING TYPE, PAGE LAYOUT, AND PUBLICATION DESIGN. STUDENTS WILL RESEARCH AND PRESENT THEIR FINDINGS ON THE HISTORY OF TYPOGRAPHY. ALL ASPECTS OF TYPOGRAPHY ARE LEARNED THROUGH IN-CLASS DEMONSTRATIONS AND STUDIO WORK. THERE IS EMPHASIS ON TECHNICAL PROBLEM SOLVING AND AESTHETIC USE OF DISPLAY AND TYPE. Required Previous: ART-2153

ART-3213 Watercolor II **3 Credits**
AN INTERMEDIATE COURSE IN WATERCOLOR PAINTING. EMPHASIS UPON THE DEVELOPMENT OF PROCESSES, MATERIALS, AND KNOWLEDGES AS THEY RELATE TO WATERCOLOR. Required Previous: ART-2213

ART-3223 Watercolor III **3 Credits**
AN ADVANCED WATERCOLOR COURSE DEALING WITH THE PROCESSES, MATERIALS, AND KNOWLEDGES INTRODUCED IN WATERCOLOR II. EMPHASIS ON COMPOSITION AND INDIVIDUAL SOLUTIONS. Required Previous: ART-3213

ART-3273 Aesthetics **3 Credits**
AN INTRODUCTORY COURSE IN AESTHETIC PHILOSOPHY, READINGS AND WRITING. STUDENT WILL DEVELOP AND EXPLORE DIFFERENT CONCEPTS ABOUT CREATIVITY, ART, AUDIENCE AND ART'S ROLE IN SOCIETIES.

ART-3303 Motion Graphics **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE FUNDAMENTAL TECHNIQUES AND COMPONENTS OF MOTION DESIGN. STUDENTS WILL EXPLORE BASIC CONCEPTS OF ART AND DESIGN IN TIME. THE COURSE INTEGRATES DESIGN, IMAGE, SOUND, VIDEO, AND ANIMATION.

ART-3313 Painting II **3 Credits**
AN INTERMEDIATE COURSE IN OIL AND/OR ACRYLIC PAINTING. EMPHASIS UPON THE CREATIVE USE OF MATERIALS AND TECHNIQUES, CONCEPTS OF ORGANIZATION, AND SUBJECTIVE IMAGERY. Required Previous: ART-2313

ART-3323 Painting III **3 Credits**
AN ADVANCED PAINTING COURSE. EMPHASIS ON COMPOSITION, EXPERIMENTATION, AND INDIVIDUAL EXPRESSION. Required Previous: ART-3313

ART-3403 Figure Drawing I **3 Credits**
A BASIC STUDIO DRAWING COURSE THAT STUDIES THE SUBJECT OF THE HUMAN FIGURE. STUDY INCLUDES DRAWING FROM THE SKELETON, THE LIVE MODEL, AND ANATOMICAL CHARTS AND CASTS. Required Previous: ART-1133

ART-3413 Figure Drawing II **3 Credits**
AN ADVANCED DRAWING COURSE THAT EMPHASIZES THE COMPOSITIONAL POTENTIALS OF THE HUMAN FIGURE. STUDY INCLUDES OBJECTIVE RENDERING, EXPERIMENTAL TECHNIQUES, AND ADVANCED PROBLEMS OF DRAWING FROM THE MODEL. Required Previous: ART-3403

ART-3513 Sculpture I **3 Credits**
AN INTRODUCTORY COURSE IN SCULPTURE. STUDY INCLUDES THE HISTORY AND THEORY OF SCULPTURE, THE BASIC TECHNIQUES OF SCULPTURE, CARVING, MODELING, BUILDING, AND CASTING, AND THE APPLICATION OF THESE KNOWLEDGES TO SOLVE VISUAL PROBLEMS.

ART-3613 Sculpture II **3 Credits**
AN INTERMEDIATE COURSE IN SCULPTURE. EMPHASIS UPON THE CREATIVE USE OF MATERIALS, TECHNIQUES, AND CONCEPTS OF ORGANIZATION. Required Previous: ART-3513

ART-3623 Sculpture III **3 Credits**
AN ADVANCED SCULPTURE COURSE. EMPHASIS ON REFINING THE THREE-DIMENSIONAL CONCEPT, EXPERIMENTATION AND INDIVIDUAL SOLUTIONS. Required Previous: ART-3613

ART-3713 Printmaking I **3 Credits**
AN INTRODUCTORY COURSE IN PRINTMAKING. STUDY INCLUDES HISTORY AND THEORY OF PRINTMAKING, THE BASIC TECHNIQUES OF PRINTMAKING, WOODCUT, LINOCUT, SILKSCREEN, MONOPRINT, AND INTAGLIO, AND THE APPLICATION OF THESE KNOWLEDGES AND TECHNIQUES TO SOLVE VISUAL PROBLEMS.

ART-3813 Ceramics I **3 Credits**
AN INTRODUCTORY COURSE IN CERAMICS. STUDY INCLUDES THE HISTORY AND THEORY OF CERAMICS, THE BASIC TECHNIQUES OF CERAMICS, HAND FORMING, WHEEL THROWING, AND GLAZE FORMULATION, AND KNOWLEDGE OF CLAY BODIES.

ART-3823 Crafts **3 Credits**
INTRODUCTORY LAB COURSE IN CRAFTS. STUDY INCLUDES THE HISTORY AND THEORY OF CRAFTS, THE SOLUTION OF CRAFT PROBLEMS IN CERAMICS, WEAVING, AND METALSMITHING, AND THE APPLICATION OF SOUND DESIGN ORGANIZATIONAL CONCEPTS.

ART-3903 Figure Drawing III **3 Credits**
AN ADVANCED DRAWING COURSE THAT UTILIZES THE MODEL FOR PERSONAL EXPRESSION. EMPHASIS IS GIVEN TO THE DEVELOPMENT OF PERSONAL STYLE, ADVANCED RENDERING, EXPERIMENTAL TECHNIQUES, AND PROBLEMS IN DRAWING THE FIGURE. Required Previous: Art-3413

ART-3923 Digital & Electronic Art I **3 Credits**
THIS COURSE IS AN EXPLORATION OF DIGITAL AND ELECTRONIC PROCESSES IN CONTEMPORARY ART MAKING. STUDENTS ARE INTRODUCED TO TOPICS SUCH AS ACCESSIBILITY, USABILITY, AND INTERFACE. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING DEPENDING ON TERM: VIDEO AS ART MEDIUM, 3D MODELING AND PRINTING, DIGITAL COLLAGE, ANIMATION, PROTOTYPING TECHNIQUES, AND INTERACTIVE OBJECTS.

ART-3943 Graphic Design I **3 Credits**
THIS IS AN INTERMEDIATE COURSE THAT FOCUSES ON THE REFINEMENT OF STUDENT'S PROBLEM SOLVING SKILLS IN GRAPHIC DESIGN AS A MEDIUM OF COMMUNICATION. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING DEPENDING ON TERM: POSTER DESIGN AND DIGITAL ILLUSTRATION, BRANDING AND IDENTITY SYSTEMS, DATA VISUALIZATION AND INFORMATION DESIGN, AND PACKAGE DESIGN. Required Previous: ART-2943

ART-3953 Graphic Design II **3 Credits**
THIS IS A SECONDARY, INTERMEDIATE COURSE THAT FOCUSES ON THE REFINEMENT OF STUDENT'S PROBLEM SOLVING SKILLS IN GRAPHIC DESIGN AS A MEDIUM OF COMMUNICATION. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING, DEPENDING ON TERM: POSTER DESIGN AND DIGITAL ILLUSTRATION, BRANDING AND IDENTITY SYSTEMS, DATA VISUALIZATION AND INFORMATION DESIGN, AND PACKAGE DESIGN. Required Previous: ART-3943

ART-4103 Integrated Studio III **3 Credits**
AN ADVANCED COURSE IN WHICH THE STUDENT EMPLOYS MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-4203 Integrated Studio IV **3 Credits**
A MORE ADVANCED COURSE IN WHICH THE STUDENT WORKS TO DEFTLY EMPLOY MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-4213 History of Art - Contemporary **3 Credits**
TWENTIETH AND TWENTY-FIRST CENTURY ART. CUBISM THROUGH CONTEMPORARY ART.

ART-4403 Figure Drawing IV **3 Credits**
A CONTINUATION OF FIGURE DRAWING III. EMPHASIS ON ARTISTRY AND DEVELOPMENT OF THE INDIVIDUAL STUDENT'S POINT OF VIEW, BOTH AS A CRITIC AND AS A PRACTICING ARTIST.

ART-4412 Art for Elementary Teachers **2 Credits**
A COURSE DEALING WITH ELEMENTARY SCHOOL ART AND CRAFTS, PLUS THE PHILOSOPHY OF ART EDUCATION.

ART-4513 Art for Secondary Teachers **3 Credits**
A STUDY OF PROBLEMS AND METHODS IN TEACHING VARIOUS ARTS IN HIGH SCHOOL: PLANNING AND ORGANIZING ART LABORATORIES IN REGARD TO MATERIALS AND SUBJECTS.

ART-4613 Sculpture IV **3 Credits**
A CONTINUATION OF SCULPTURE III. EMPHASIS ON INNOVATIVE INDIVIDUAL SOLUTIONS IN THOSE AREAS THAT ARE MOST VITAL TO THE STUDENT. Required Previous: ART-3623

ART-4713 Printmaking II **3 Credits**
AN INTERMEDIATE COURSE IN PRINTMAKING. EMPHASIS UPON THE CREATIVE USE OF MATERIALS AND PROCESSES; INTAGLIO, LITHOGRAPHY, AND SILKSCREEN. APPLICATION OF CONCEPTS OF ORGANIZATION, TECHNIQUES, AND KNOWLEDGES TO SOLVE VISUAL PROBLEMS. Required Previous: ART-3713

ART-4723 Printmaking III **3 Credits**
AN ADVANCED PRINTMAKING COURSE. EMPHASIS ON THE SELECTION OF PROCESS, COMPOSITION AND EXPERIMENTATION WITH COLOR PRINTING. Required Previous: ART-4713

ART-4741 Professional Practice I **1 Credit**
STUDENTS WILL WORK ON DEVELOPING METHODOLOGIES ASSOCIATED WITH PROFESSIONAL PRACTICE INCLUDING PREPARATION OF RESUMES OR CURRICULUM VITA, DOCUMENTATION OF THEIR WORKS, DEVELOPMENT OF A WEB PAGE AND GENERAL STUDIO PRACTICES.

ART-4813 Ceramics II **3 Credits**
AN INTERMEDIATE COURSE IN CERAMICS. EMPHASIS UPON MORE SOPHISTICATED WHEEL FORMING AND GLAZE TECHNIQUES. Required Previous: ART-3813

ART-4823 Ceramics III **3 Credits**
AN ADVANCED CERAMIC COURSE. EMPHASIS ON SCULPTURE OR POTTERY FORMS SELECTED BY THE STUDENT. Required Previous: ART-4813

ART-4841 Professional Practice II **1 Credit**
A MORE ADVANCED COURSE IN WHICH STUDENTS WILL WORK ON DEVELOPING METHODOLOGIES ASSOCIATED WITH PROFESSIONAL PRACTICE INCLUDING PREPARATION OF RESUMES OR CURRICULUM VITA, DOCUMENTATION OF THEIR WORKS, DEVELOPMENT OF A WEB PAGE AND GENERAL STUDIO PRACTICES. Required Previous: ART-4741

ART-4923 Digital & Electronic Art II **3 Credits**
THIS COURSE IS AN ADVANCED EXPLORATION OF DIGITAL AND ELECTRONIC PROCESSES IN CONTEMPORARY ART MAKING. STUDENTS ARE INTRODUCED TO TOPICS SUCH AS ACCESSIBILITY, USABILITY AND INTERFACE. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING DEPENDING ON TERM: VIDEO AS ART MEDIUM, 3D MODELING AND PRINTING, DIGITAL COLLAGE, ANIMATION, PROTOTYPING TECHNIQUES, AND INTERACTIVE OBJECTS. Required Previous: ART-3923

ART-4943 Graphic Design Internship **3 Credits**
STUDENTS WILL RECEIVE 3 CREDIT HOURS FOR WORKING ON AN INTERNSHIP OVER THE COURSE OF THE SEMESTER. STUDENTS MUST TURN IN 90 LOGGED HOURS AND MEET PERIODICALLY WITH THE INSTRUCTOR TO REPORT THEIR PROGRESS. THE INTERNSHIP MUST BE ARRANGED BEFORE THE START OF THE SEMESTER OR THE STUDENT WILL BE DROPPED FROM THE CLASS. CAN BE TAKEN TWICE FOR CREDIT, BUT ONLY THREE HOURS COUNT TOWARDS THE MAJOR.

ART-4971 Senior Exhibit **1 Credit**
THIS SENIOR EXHIBITION IS A CUMULATIVE STATEMENT OF THE STUDENTS PREPARATION TO PROCEED ON AN ART CAREER BEYOND THE BACCALAUREATE DEGREE. Required Previous: ART-4741

ART-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY IN SPECIAL SUBJECT OR PROBLEM.

ART-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4991 Individual Studies- **1 Credit**
STUDIO PRACTICE FOR SENIORS AND ADVANCED STUDENTS. OPEN ONLY TO SELECTED UNDERGRADUATES.

ART-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-H1113 Honors-Fundamentals of Art 3 Credits
BASIC COURSE FOR UNDERSTANDING THE RUDIMENTS AND TECHNIQUES OF CREATIVE ART, WITH SOME EMPHASIS ON THE APPRECIATION OF ART IN RELATION TO LIVING IN TODAY'S SOCIETY.

ART-H2213 Honors-Watercolor I 3 Credits
AN INTRODUCTORY COURSE IN WATERCOLOR PAINTING. STUDY INCLUDES HISTORY AND THEORY OF WATERCOLOR, THE DEVELOPMENT OF TECHNIQUES AND SKILLS WORKING WITH WATERCOLOR, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE WATERCOLOR PROBLEMS.

ART-H2253 Honors-Art History Survey II 3 Credits
RENAISSANCE ART THROUGH CONTEMPORARY ART (1300 A.D. TO THE PRESENT).

ART-H2313 Honors-Painting I 3 Credits
AN INTRODUCTORY COURSE IN OIL AND/OR ACRYLIC PAINTING. STUDY INCLUDES HISTORY AND THEORY OF PAINTING, THE DEVELOPMENT OF SKILLS AND TECHNIQUES OF PAINTING, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE VISUAL PROBLEMS.

ART-H3213 Honors-Watercolor II 3 Credits
AN INTERMEDIATE COURSE IN WATERCOLOR PAINTING. EMPHASIS UPON THE DEVELOPMENT OF PROCESSES, MATERIALS, AND KNOWLEDGES AS THEY RELATE TO WATERCOLOR. Required Previous: ART-2213

ART-H3313 Honors-Painting II 3 Credits
AN INTERMEDIATE COURSE IN OIL AND/OR ACRYLIC PAINTING. EMPHASIS UPON THE CREATIVE USE OF MATERIALS AND TECHNIQUES, CONCEPTS OF ORGANIZATION, AND SUBJECTIVE IMAGERY. Required Previous: ART-2313

ART-H3323 Honors-Painting III 3 Credits
AN ADVANCED PAINTING COURSE. EMPHASIS ON COMPOSITION, EXPERIMENTATION, AND INDIVIDUAL EXPRESSION. Required Previous: ART-3313

ART-H3713 Honors-Printmaking I 3 Credits
AN INTRODUCTORY COURSE IN PRINTMAKING. STUDY INCLUDES HISTORY AND THEORY OF PRINTMAKING, THE BASIC TECHNIQUES OF PRINTMAKING, WOODCUT, LINOCUT, SILKSCREEN, MONOPRINT, AND INTAGLIO, AND THE APPLICATION OF THESE KNOWLEDGES AND TECHNIQUES TO SOLVE VISUAL PROBLEMS.

ART-H4213 Honors-History of Art-Contemporary 3 Credits
TWENTIETH AND TWENTY-FIRST CENTURY ART. CUBISM THROUGH CONTEMPORARY ART.

ART-H4993 Honors-Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-S4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-S5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

AMERICAN SIGN LANGUAGE - HUMAN RESOURCES (ASLHR)

ASLHR-2613 American Sign Language I 3 Credits
COURSE CONSISTS OF PRINCIPLES, METHODS, AND TECHNIQUES OF COMMUNICATING MANUALLY WITH THE DEAF. EMPHASIS WILL BE ON DEVELOPING MANUAL COMMUNICATION SKILLS AND A BASIC VOCABULARY IN AMERICAN SIGN LANGUAGE AND AN UNDERSTANDING OF BASIC GRAMMATICAL PRINCIPLES OF AMERICAN SIGN LANGUAGE. ALSO INCLUDED WILL BE A BRIEF ORIENTATION TO THE VARIOUS SYSTEMS OF SIGNED ENGLISH.

ASLHR-3063 American Sign Language II 3 Credits
COURSE PROVIDES CONTINUED DEVELOPMENT OF AMERICAN SIGN LANGUAGE VOCABULARY AND ASL GRAMMAR. EMPHASIS WILL BE ON DEVELOPING EXPRESSIVE AND RECEPTIVE SIGNING SKILLS IN ASL. Required Previous: ASLHR-2613 or departmental approval

ASLHR-3163 Fingerspelling and Conversational American Sign Language **3 Credits**
A COURSE DESIGNED TO DEVELOP EXPRESSIVE AND RECEPTIVE FINGERSPELLING SKILLS, AS WELL AS DEVELOPING THE STUDENTS' UNDERSTANDING AND USE OF CONVERSATIONAL ASL.

ASLHR-4703 American Sign Language III **3 Credits**
AN IN-DEPTH STUDY OF AMERICAN SIGN LANGUAGE GRAMMAR, SYNTAX, IDIOMS, AND COLLOQUIALISMS. INCLUDES BODY LANGUAGE, MIME, AND OTHER FORMS OF NON-VERBAL COMMUNICATION. Required Previous: ASLHR-3063 or departmental approval

ASLHR-4733 American Sign Language IV **3 Credits**
A CONTINUED STUDY OF AMERICAN SIGN LANGUAGE WITH EMPHASIS ON INCREASING SIGN LANGUAGE SKILLS. ALSO INCLUDED WILL BE THE PRINCIPLES OF ARTISTIC INTERPRETING. Required Previous: ASLHR-4703

ASLHR-H4703 Honors-American Sign Language III **3 Credits**
AN IN-DEPTH STUDY OF AMERICAN SIGN LANGUAGE GRAMMAR, SYNTAX, IDIOMS, AND COLLOQUIALISMS. INCLUDES BODY LANGUAGE, MIME, AND OTHER FORMS OF NON-VERBAL COMMUNICATION. Required Previous: ASLHR-3063 or departmental approval

ASLHR-H4733 Honors-Amer Sign Lang IV **3 Credits**
A CONTINUED STUDY OF AMERICAN SIGN LANGUAGE WITH EMPHASIS ON INCREASING SIGN LANGUAGE SKILLS. ALSO INCLUDED WILL BE THE PRINCIPLES OF ARTISTIC INTERPRETING. Required Previous: ASLHR-4703

(B/C/P)

B/C/P-4113 Methods of Teaching Biological and Physical Sciences **3 Credits**
PHILOSOPHY, METHODOLOGY AND RESOURCES FOR TEACHING HIGH SCHOOL (7TH-12TH GRADE) BIOLOGY, CHEMISTRY, AND PHYSICS. Required Previous: EDUC-4042 or EDUC-4632

BIOLOGY EDUCATION (BIOED)

BIOED-S5981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOLOGY (BIOL)

BIOL-1114 General Biology I **4 Credits**
INCLUDES IN-DEPTH STUDY OF FUNDAMENTAL BIOLOGICAL PRINCIPLES AND CONCEPTS RELEVANT TO THE BIOLOGY OF ANIMALS, PLANTS, FUNGI AND MICROBES. EMPHASIS IS ON THE CHARACTERISTICS OF LIFE, BIOLOGICAL CHEMISTRY, CELL STRUCTURE AND FUNCTION, CELLULAR ENERGETICS, MOLECULAR BIOLOGY AND GENETICS. INCLUDES BIOLOGICAL LABORATORY EXPERIENCE WITH EMPHASIS ON CRITICAL THINKING AND PROBLEM SOLVING. Required Previous: Class Pre-requisite(s): 19 on ACT-Science or SAT equivalent, PHSCI-0123, or Placement exam.

BIOL-1114L General Biology I Laboratory **0 Credits**
LAB COURSE FOR BIOL-1114.

BIOL-1134 General Biology II **4 Credits**
ONE OF A TWO-SEMESTER SEQUENCE OF INTRODUCTORY BIOLOGY COURSES WITH LABS DESIGNED SPECIFICALLY FOR BIOLOGY MAJORS. MAJOR BIOLOGICAL PRINCIPLES AND CONCEPTS AS ILLUSTRATED IN A SURVEY OF THE DIVERSITY, BEHAVIOR, PHYSIOLOGY, AND ECOLOGICAL FUNCTIONS OF ANIMALS, PLANTS, FUNGI, AND MICROBES. EMPHASIS IS ON EVOLUTION, ECOLOGY, AND DIVERSITY. WILL INCLUDE BIOLOGICAL LABORATORY EXPERIENCE WITH EMPHASIS ON PROBLEM SOLVING. WILL INCLUDE TRAINING IN SCIENTIFIC PROCEDURES, INCLUDING LABORATORY TECHNICAL SK Required Concurrent: Take BIOL-1134L

BIOL-1134L General Biology II Laboratory **0 Credits**
LAB COURSE FOR BIOL-1134.

BIOL-1214 General Botany **4 Credits**
MORPHOLOGY, PHYSIOLOGY AND ECOLOGY OF THE SEED PLANTS WITH A BRIEF SURVEY OF THE PLANT KINGDOM. LECTURE, LABORATORY AND FIELD. Required Concurrent: Take BIOL-1214L

BIOL-1214L General Botany Laboratory **0 Credits**
LAB COURSE FOR BIOL-1214.

BIOL-1314 General Zoology **4 Credits**
A SURVEY OF MAJOR PHYLA OF THE ANIMAL KINGDOM, GENERAL MORPHOLOGY, LIFE HISTORIES, AND PRINCIPLES OF ANIMAL SYSTEMATICS. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-1314L

BIOL-1314L General Zoology Laboratory **0 Credits**
LAB COURSE FOR BIOL-1314.

BIOL-2002 Introductory Research Experience **2 Credits**
DESIGNED TO BE AN INTRODUCTION TO RESEARCH IN THE BIOLOGICAL SCIENCES. MUST HAVE PERMISSION FROM RESEARCH MENTOR WITH WHOM STUDENT WILL WORK CLOSELY TO DEVELOP AN INDEPENDENT RESEARCH PROJECT. LABORATORY AND/OR FIELD. Required Previous: BIOL-1114 Must have permission from research mentor.

BIOL-2103 Horticulture **3 Credits**
SURVEY AND PRACTICE OF THE HORTICULTURE DISCIPLINE INCLUDING PLANT GROWTH AND PROPAGATION FOR GREENHOUSE, AGRICULTURAL, LANDSCAPING, THERAPEUTIC AND HOBBYIST PRACTICES THROUGH LECTURE, LABORATORY AND FIELD DELIVERY. Required Previous: BIOL-1114 with a grade C or better.

BIOL-2113 Medical Terminology **3 Credits**
A STUDY OF THE LANGUAGE OF MEDICINE INCLUDING WORD CONSTRUCTION, DEFINITIONS, AND USE OF TERMS RELATED TO ALL AREAS OF MEDICAL SCIENCES, HOSPITAL SERVICES AND THE ALLIED HEALTH SPECIALTIES.

BIOL-2184 Human Anatomy **4 Credits**
AN INTRODUCTORY STUDY OF THE GROSS ANATOMY OF THE HUMAN BODY WITH AN INTRODUCTION TO MICROANATOMY. LABORATORY STUDIES OF THE HUMAN SKELETON, MODELS AND OTHER VISUAL MATERIALS. DISSECTION OF THE CAT WITH REFERENCE TO MAN. LECTURE AND LABORATORY. DEGREE CREDIT NOT ALLOWED IN BOTH 2184 AND 3615. Required Concurrent: Take BIOL-2184L

BIOL-2184L Human Anatomy Laboratory **0 Credits**
LAB COURSE FOR BIOL-2184.

BIOL-2243 Introduction to Biotechnology **3 Credits**
A SURVEY OF THE MOST ACTIVE AREAS IN THE FIELD OF BIOTECHNOLOGY. LECTURES WILL COVER TOPICS SUCH AS DNA MANIPULATION, PROTEIN ENGINEERING, LARGE-SCALE CULTIVATION OF MICROORGANISMS, STEM CELL RESEARCH, VACCINE AND MONOCLONAL ANTIBODY PRODUCTION, MOLECULAR MEDICINE, GENE THERAPY, AND GENETIC ENGINEERING IN PLANTS AND ANIMALS. Required Previous: BIOL-1114 or BIOL-1214 or BIOL-1314

BIOL-2344 General Microbiology **4 Credits**
THE DISTRIBUTION, DISSEMINATION, CLASSIFICATION, AND IDENTIFICATION OF MICROORGANISMS, SPECIAL ATTENTION TO ORGANISMS CAUSING DISEASE AND TO IMMUNITY FROM THESE ORGANISMS. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-2344L

BIOL-2344L General Microbiology Laboratory **0 Credits**
LAB COURSE FOR BIOL-2344.

BIOL-2644 Invertebrate Zoology **4 Credits**
GENERAL INVERTEBRATE ZOOLOGY, INCLUDING MORPHOLOGY, TAXONOMY AND LIFE HISTORIES OF REPRESENTATIVES OF THE INVERTEBRATE GROUPS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-2773 Forensic Biology **3 Credits**
A STUDY OF THE SCIENTIFIC METHOD AND BIOLOGICAL TECHNIQUES THAT ARE USED IN FORENSIC INVESTIGATION (CRIMINALISTICS). LECTURES AND LABORATORY SESSIONS WILL COVER THE METHODS OF FORENSIC INVESTIGATIONS WITH AN EMPHASIS ON THE EXAMINATION OF PHYSICAL EVIDENCE USED IN A COURT OF LAW. SPECIFIC TOPICS INCLUDE COMPARATIVE MICROSCOPY OF HAIR, TEXTILES, BLOOD, AND BULLETS, PROTEIN ANALYSIS USED TO DISTINGUISH AMONG SUSPECTS, ANALYTICAL METHODS USED TO IDENTIFY CERTAIN DRUGS, AND DNA ANALYSIS USED TO IDEN Required Previous: BIOL-1114 OR BIOL-1214 OR BIOL-1314

BIOL-2773L Forensic Biology Laboratory **0 Credits**
LAB COURSE FOR BIOL-2773.

BIOL-2881 Special Studies in Biology (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-2882 Special Studies in Biology (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-2883 Special Studies in Biology (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-2884 Special Studies in Biology (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-3013 Research Methods and Bioethics **3 Credits**
AN EXAMINATION OF THE METHODS AND TECHNIQUES THAT HAVE LED TO SIGNIFICANT DISCOVERIES AND THEMES IN MODERN BIOLOGICAL SCIENCES, RANGING FROM BIODIVERSITY AND EVOLUTION THROUGH CELL BIOLOGY AND GENETICS. TECHNIQUES IN THE CRITICAL EVALUATION OF SCIENTIFIC LITERATURE AND CURRENT ISSUES WILL BE INCLUDED THROUGHOUT THE COURSE, AS WELL AS THE ETHICAL ASPECTS OF DATA COLLECTION AND ANALYSES. CONSIDERATION OF SPECIFIC BIOMEDICAL ETHICS ISSUES WILL BE INCORPORATED INTO CLASS ACTIVITIES. Required Previous: BIOL-1214 or BIOL-1314

BIOL-3023 Animal Nutrition **3 Credits**
THE NUTRIENTS REQUIRED BY ANIMALS, THEIR FUNCTIONS, AND THE INTERRELATIONSHIPS AND THE PROCESSES OF THEIR UTILIZATION. IN ADDITION, FEEDSTUFF COMPOSITION AND THEIR USE IN DIET AND RATION FORMULATION WILL BE COVERED. EMPHASIS WILL BE PLACED ON BOTH RUMINANT AND NON-RUMINANT SPECIES. Required Previous: BIOL-1114

BIOL-3034 Medical Botany **4 Credits**
A SURVEY OF PLANTS AFFECTING HUMAN HEALTH INCLUDING HOW PLANTS WERE HISTORICALLY USED AND ARE CURRENTLY USED, WITH AN EMPHASIS ON BIOLOGICALLY ACTIVE CONSTITUENTS. Required Previous: BIOL-1214 with a grade of C or better.

BIOL-3034L Medical Botony Laboratory **0 Credits**
LAB COURSE FOR BIOL-3034.

BIOL-3111 Peer-To-Peer Laboratory Experience **1 Credit**
INTRODUCES THE STUDENT TO CLASSROOM DYNAMICS THROUGH PEER-TO-PEER EXPERIENCES IN A LABORATORY SETTING. STUDENTS WILL AID IN GENERAL PREPARATION AND COMPLETION OF LABORATORIES THROUGHOUT THE SEMESTER, CRITICALLY EVALUATE PEER LABORATORY HANDOUTS, AND LEAD A LABORATORY DISCUSSION.

BIOL-3134 Field Zoology **4 Credits**
AN INTRODUCTION TO LOCAL ANIMAL LIFE BASED UPON CLASSIFICATION, DISTRIBUTION, AND NATURAL HISTORY OF REPRESENTATIVES OF THE ANIMAL PHYLA OF THIS REGION. LECTURE, LABORATORY, AND FIELD. Required Concurrent: Take BIOL-3134L

BIOL-3134L Field Zoology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3134.

BIOL-3143 Ethnobotany **3 Credits**
A SURVEY OF PLANT USE BY PEOPLE, INCLUDING SUCH TOPICS AS MEDICINAL, SOCIETAL, CULTURAL, AND ECONOMIC USES OF PLANTS FROM PRE-HISTORY TO CURRENT. Required Previous: BIOL-1114 or BIOL-1214

BIOL-3214 Field Ornithology **4 Credits**
AN INTRODUCTION TO AVIAN BIOLOGY WITH EMPHASIS ON FIELD STUDY OF LIFE HISTORY, ECOLOGY, AND ETHOLOGY OF LOCAL BIRDS. LECTURE, LABORATORY AND INDEPENDENT FIELD PROJECTS. Required Previous: BIOL-1314

BIOL-3214L Field Ornithology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3214.

BIOL-3234 General Entomology **4 Credits**
FUNDAMENTAL PRINCIPLES OF INSECT LIFE; CLASSIFICATION, LIFE HISTORIES AND ECONOMIC RELATIONS Required Concurrent: Take BIOL-3234L

BIOL-3234L General Entomology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3034.

BIOL-3245 Comparative Vertebrate Anatomy **5 Credits**
COMPARISON OF ANATOMICAL STRUCTURE IN VERTEBRATE TYPES. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-3245L Comparative Vertebrate Anatomy Laboratory **0 Credits**
LAB COURSE FOR BIOL-3245.

BIOL-3254 Medical Entomology **4 Credits**
A STUDY OF INSECTS AND OTHER ARTHROPODS WITH RELATION TO THEIR IMPORTANCE IN HUMAN MEDICINE. Required Previous: BIOL-1314

BIOL-3254L Medical Entomology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3245.

BIOL-3303 Stream Ecology and Stream Management **3 Credits**
THE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS OF STREAM ECOSYSTEMS WITH AN EMPHASIS ON ANTHROPOGENIC INFLUENCES ON THESE SYSTEMS. A REVIEW OF SELECTED STREAM MANAGEMENT PRACTICES USED TO MITIGATE THESE INFLUENCES THROUGH SELECTED CASE STUDIES OF MAJOR RIVER SYSTEMS FROM AROUND THE WORLD. LECTURE AND FIELD TRIPS TO LOCAL STREAM ECOSYSTEMS. Required Previous: BIOL-1214

BIOL-3314 Mammalogy **4 Credits**
AN INTRODUCTION TO MAMMALIAN BIOLOGY, DIVERSITY, ANATOMY, EVOLUTIONARY HISTORY, SYSTEMATICS, AND ZOOGEOGRAPHY. LABORATORY EXERCISES WILL EMPHASIZE STRUCTURAL ANATOMY AND THE IDENTIFICATION AND NATURAL HISTORY OF OKLAHOMA MAMMALS. Required Previous: BIOL-1314

BIOL-3314L Mammalogy Laboratory **0 Credits**
LAB COURSE FOR BIOL-3314.

BIOL-3324 Herpetology **4 Credits**
AN INTRODUCTION TO THE BIOLOGY OF AMPHIBIANS AND REPTILES INCLUDING ANATOMY, DIVERSITY, EVOLUTIONARY RELATIONSHIPS, PHYSIOLOGY, SYSTEMATICS, AND ZOOGEOGRAPHY. LABORATORY EXERCISES WILL EMPHASIZE STRUCTURAL ANATOMY AND THE IDENTIFICATION AND NATURAL HISTORY OF OKLAHOMA REPTILES AND AMPHIBIANS. Required Previous: BIOL-1314

BIOL-3324L Herpetology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3324.

BIOL-3343 Experimental Molecular Biology **3 Credits**
A STUDY OF THE EXPERIMENTAL APPROACH AND TECHNIQUES USED IN MOLECULAR BIOLOGY. EMPHASIS WILL BE PLACED ON THE EXTRACTION, ISOLATION, AND PURIFICATION OF PROTEINS AND NUCLEIC ACIDS OF BACTERIA, FUNGI, PLANTS, AND ANIMALS. Required Previous: BIOL-1314

BIOL-3434 Genetics **4 Credits**
A STUDY OF BASIC PRINCIPLES IN INHERITANCE INCLUDING MENDELISM AND MOLECULAR MECHANISMS AND RECOMBINANT DNA TECHNOLOGY. LECTURE AND LAB. Required Concurrent: Take BIOL-3434L

BIOL-3434L Genetics Laboratory **0 Credits**
LAB COURSE FOR BIOL-3434.

BIOL-3452 Advanced Genetics **2 Credits**
CONTINUATION OF COURSE 3434. Required Previous: BIOL-3434

BIOL-3514 General Physiology **4 Credits**
INCLUDES A STUDY OF THOSE PHYSIOLOGICAL PHENOMENA COMMON TO ALL LIVING ORGANISMS SUCH AS: OSMOREGULATION, FUNCTIONAL COMPOSITION, OXIDATIVE METABOLISM, METABOLIC CONTROL MECHANISMS, INTERNAL DISTRIBUTION SYSTEMS, NUTRITION, EXCRETION, INTEGRATION, AND BIOELECTRICITY. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-3514L

BIOL-3514L General Physiology Labratory **0 Credits**
LAB COURSE FOR BIOL-3514.

BIOL-3524 Mycology **4 Credits**
A SURVEY OF FUNGI, INCLUDING THEIR EVOLUTION, MORPHOLOGY, AND ONTOGENY WITH MEDICINAL, AGRICULTURAL, AND ECONOMIC APPLICATIONS. WE WILL USE LECTURE, LABORATORY, AND FIELD TECHNIQUES TO EXPLORE THE FUNGAL WORLD. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1114 or BIOL-1214 or BIOL-2344

BIOL-3553 Genomics and Bioinformatics **3 Credits**
INTRODUCTION TO THE STUDY AND ANALYSIS OF GENOMES AND THE FUNCTIONS AND RELATIONSHIPS (BROADLY INCLUDING BIOCHEMICAL ACTIVITY AND BIOLOGICAL FUNCTION) OF ALL THE GENES WITHIN A GENOME. TOPICS WILL INCLUDE TECHNIQUES AND METHODS IN GENETICS, GENOME SEQUENCING, SEQUENCE ALIGNMENT, GENE AND PROTEIN ANALYSIS, MICROARRAY ANALYSIS, PROTEOMICS AND DATABASE SEARCHING. Required Previous: BIOL-1214 or BIOL-1314

BIOL-3615 Human Anatomy & Physiology **5 Credits**
AN INTRODUCTION TO THE STRUCTURE AND FUNCTIONS OF THE VARIOUS SYSTEMS OF THE HUMAN BODY INCLUDING A STUDY OF RESPIRATION, DIGESTION, METABOLISM, AND NUTRITION; A STUDY OF THE SPECIAL SENSES, INTERNAL SECRETION, AND MUSCULAR AND NERVOUS SYSTEMS. LECTURE AND LABORATORY. DEGREE CREDIT NOT ALLOWED IN BOTH 3615 AND 3634, OR IN 2184 AND 3615. Required Previous: 4 to 8 hours of Chemistry;Degree credit not allowed in both BIOL-3615 and BIOL-3634 or in BIOL-2184 and BIOL-3615.

BIOL-3623 Biochemistry of Human Diseases **3 Credits**
A SURVEY OF THE BIOCHEMICAL AND MOLECULAR BASIS FOR HUMAN DISEASES. LECTURE TOPICS WILL INCLUDE METABOLIC DISEASES SUCH AS ATHEROSCLEROSIS AND DIABETES, AND THE BIOCHEMISTRY RELATED TO PRION DISEASES, VIROLOGY AND CANCER. Required Previous: BIOL-3434

BIOL-3634 Human Physiology **4 Credits**
FUNCTION OF THE HUMAN BODY, PHYSICAL AND CHEMICAL CHANGES WHICH OCCUR IN LIVING SYSTEMS. LABORATORY STUDIES IN THE PHYSICAL AND CHEMICAL NATURE OF ENERGY CHANGES OCCURRING IN LIVING SYSTEMS, AND THEIR EVALUATION UNDER VARIED CONDITIONS. LECTURE AND LABORATORY. DEGREE CREDIT NOT ALLOWED IN BOTH BIOL-3615 AND 3634. Required Concurrent: Take BIOL-3634L

BIOL-3634L Human Physiology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3634.

BIOL-3654 Histology **4 Credits**
INTRODUCTION TO THE ESSENTIALS OF MICROANATOMY OF TISSUES AND ORGANS. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-3654L Histology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3654.

BIOL-3674 Plant Ecophysiology **4 Credits**
THIS COURSE FOCUSES ON HOW PLANTS COPE WITH ENVIRONMENTAL STRESS THROUGH PHYSIOLOGICAL MECHANISMS AND INTEGRATION. WE WILL USE LECTURE, LAB, AND FIELD TECHNIQUES TO EXPLORE PLANT-ENVIRONMENT INTERACTIONS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1114

BIOL-3674L Plant Ecophysiology Lab **0 Credits**
LAB COURSE FOR BIOL-3674.

BIOL-3683 Immunology **3 Credits**
AN INTRODUCTORY STUDY OF THE PRINCIPLES, MECHANISMS, AND CLINICAL APPLICATIONS OF THE IMMUNE RESPONSE. Required Previous: BIOL-2344

BIOL-3703 Biostatistics **3 Credits**
A STUDY OF STATISTICAL METHODS COMMONLY USED IN ENVIRONMENTAL AND LIFE SCIENCE. TOPICS INCLUDE DESCRIPTIVE AND INFERENTIAL STATISTICS AND OTHER RELATED CALCULATIONS. Required Previous: MATH-1513

BIOL-3712 Foundations of Biology **2 Credits**
A SURVEY BY STUDY OF ORIGINAL SOURCES AND COMPILATIONS OF THE SEQUENCE OF BIOLOGICAL DISCOVERIES AND THE MEN ASSOCIATED WITH THEM, AND OF THE GROWTH OF BIOLOGICAL THEORIES AND THE DEVELOPMENT OF SCIENTIFIC THOUGHT. LECTURE AND LIBRARY.

BIOL-3814 Plant Kingdom **4 Credits**
REPRESENTATIVE PLANTS FROM IMPORTANT GROUPS STUDIED AS TO GENERAL STRUCTURE AND FUNCTION OF EACH PART, METHODS OF REPRODUCTION, THE DEVELOPMENT OF PLANTS FROM THE SIMPLEST TO THE HIGHEST FORMS. LECTURE AND LABORATORY . Required Previous: BIOL-1214

BIOL-3814L Plant Kingdom Laboratory **0 Credits**
LAB COURSE FOR BIOL-3814.

BIOL-3934 Limnology **4 Credits**
INTRODUCTION TO THE STUDY OF FRESHWATER BIOLOGY, PHYSICAL AND CHEMICAL FACTORS, PLANKTON ANALYSIS, BOTTOM FAUNA LAKE AND STREAM MAPPING AND PRODUCTIVITY STUDIES. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-3934L

BIOL-3934L Limnology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3934.

BIOL-4014 Integrated Pest Management **4 Credits**
A SURVEY OF AGRONOMIC PESTS FOCUSING ON INSECTS INCLUDING THEIR BIOLOGY, MORPHOLOGY, IDENTIFICATION AND MANAGEMENT PRACTICES FOR SUSTAINABLE AGRICULTURE, NATURAL RESOURCES, AND URBAN AND RURAL HEALTH AND WELLBEING. THIS IS A FIELD-BASED COURSE. Required Previous: BIOL-3234 with a grade of C or better.

BIOL-4023 Animal Behavior **3 Credits**
AN INTRODUCTION TO THE BIOLOGICAL BASIS OF ANIMAL BEHAVIOR, TOPICS INCLUDE THE DEVELOPMENT, PHYSIOLOGICAL MEDIATION, ADAPTIVE SIGNIFICANCE, AND EVOLUTION OF ANIMAL BEHAVIOR. LECTURE. Required Previous: BIOL-1314

BIOL-4113 Vertebrate Embryology **3 Credits**
OUTLINE OF FACTS AND FACTORS IN EMBRYONIC DEVELOPMENT OF FISHES, AMPHIBIANS, REPTILES, BIRDS AND MAMMALS. Required Previous: BIOL-1314

BIOL-4123 Evolution **3 Credits**
MODERN EVOLUTIONARY THEORY WITH SPECIAL REFERENCE TO RELATED GENETIC MECHANISM. Required Previous: BIOL-1214

BIOL-4144 Natural History of the Vertebrates **4 Credits**
PRINCIPLES OF DISTRIBUTION, CLASSIFICATION, LIFE HISTORIES, ECOLOGY, AND ETHOLOGY OF THE COMMON VERTEBRATES. EMPHASIS GIVEN TO THE TERRESTRIAL FORMS OF LOCAL AREAS. LABORATORY AND FIELD WORK EMPHASIZES COLLECTING TECHNIQUES, IDENTIFICATION AND PREPARATION OF SPECIMENS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-4144L Natural History of the Vertebrates Laboratory **0 Credits**
LAB COURSE FOR BIOL-4144.

BIOL-4214 Taxonomy of Flowering Plants **4 Credits**
IDENTIFICATION AND CLASSIFICATION OF PLANTS, ESPECIALLY OF THE LOCAL FLORA; CONSTRUCTION AND USE OF KEYS AND THE PREPARATION OF AN HERBARIUM. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1214

BIOL-4214L Taxonomy of Flowering Plants Laboratory **0 Credits**
LAB COURSE FOR BIOL-4214.

BIOL-4313 Cell and Molecular Biology **3 Credits**
CYTOLOGY, BIOCHEMISTRY, MOLECULAR REGULATION, AND FUNCTION OF CELLS AND ORGANELLES. EMPHASIS IS ON THE EUCARYOTIC CELL. Required Previous: Twelve hours of Biology

BIOL-4323 Experimental Design in Biological Science **3 Credits**
DESIGN, IMPLEMENTATION AND DATA ANALYSIS USING THE SCIENTIFIC METHOD ON A SPECIFIC TOPIC IN THE BIOLOGICAL SCIENCES. STUDENTS WILL ALSO DEVELOP A RESEARCH PROPOSAL THAT WILL GUIDE INDEPENDENT RESEARCH. LECTURE. Required Previous: BIOL-1214

BIOL-4414 Ecology **4 Credits**
A STUDY OF THE STRUCTURE AND FUNCTION OF THE ECOSYSTEM INCLUDING A SURVEY OF THE AQUATIC AND TERRESTRIAL HABITATS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-4414L Ecology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4414.

BIOL-4473 Nature Study **3 Credits**
COMMON NAMES, NATURAL HISTORIES, AND INTERRELATIONSHIPS OF LOCAL FLORA AND FAUNA; SURVEY OF HABITAT TYPES, COLLECTIONS, AND NATURE PROJECTS. PROBLEMS OF CONSERVATION OF WILDLIFE. LECTURE AND FIELD LABORATORY. THIS COURSE IS NOT APPLICABLE ON MAJOR OR MINOR IN BIOLOGY.

BIOL-4514 Environmental Biology **4 Credits**
A STUDY OF THE BIOLOGY OF ENVIRONMENTAL PROBLEMS AND HUMAN RELATIONSHIPS TO THE ENVIRONMENT, INCLUDING AIR, WATER, LAND, AND OTHER ORGANISMS. LECTURE AND LABORATORY. Required Previous: BIOL-1114 or equivalent

BIOL-4534 Wildlife Management **4 Credits**
THE APPLICATION OF SCIENTIFIC PRINCIPLES TO THE ECOLOGICAL PROBLEMS ASSOCIATED WITH THE MANAGEMENT OF WILDLIFE POPULATIONS AND THEIR HABITATS. LECTURE AND LABORATORY. Required Previous: BIOL-1214 or BIOL-1314

BIOL-4534L Wildlife Management Laboratory **0 Credits**
LAB COURSE FOR BIOL-4534.

BIOL-4545 Advanced Molecular Biology **5 Credits**
AN IN-DEPTH INVESTIGATION OF SPECIFIC ENZYMES AND REAGENTS THAT MODIFY NUCLEIC ACIDS BOTH IN VIVO AND IN VITRO. THE THEORY BEHIND BIOCHEMICAL ACTIVITY, OPTIMAL REACTION CONDITIONS AND PRACTICAL APPLICATIONS IN BIOENGINEERING WILL BE EXPLORED IN BOTH LECTURE AND LABORATORY. THE PRACTICAL PORTION OF THE COURSE WILL BE PROJECT DRIVEN AND WILL INCORPORATE ANALYSES OF THE CURRENT SCIENTIFIC LITERATURE. Required Previous: BIOL-2344

BIOL-4545L Advanced Molecular Biology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4545.

BIOL-4553 Pathogenic Microbiology **3 Credits**
THE COURSE WILL FOCUS UPON BACTERIAL, FUNGAL, AND VIRAL DISEASES. IT WILL PRIMARILY COVER HUMAN DISEASES AND AGRICULTURALLY IMPORTANT DISEASES IN CROPS AND LIVESTOCK. ROUTES OF INFECTION SUCH AS AIR BORNE, WATER BORNE, FOOD BORNE, SOIL BORNE, ARTHROPOD BORNE, AND SEXUAL CONTACT WILL BE INVESTIGATED. CHARACTERISTICS OF INFECTIVE ORGANISMS AND THEIR MECHANISMS OF INFECTION IN DIFFERENT ORGANISMS WILL BE INCLUDED IN THE DISCUSSION. Required Previous: BIOL-1214 or BIOL-1314

BIOL-4614 Animal Parasitology **4 Credits**
MORPHOLOGY, LIFE HISTORY, AND CLASSIFICATION OF THE MORE IMPORTANT PARASITES OF ANIMALS; HOST-PARASITE RELATIONSHIP AND METHODS OF CONTROL. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-4614L Animal Parasitology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4614.

BIOL-4713 Methods of Teaching Secondary Biological Science **3 Credits**
PHILOSOPHY, METHODOLOGY AND RESOURCES FOR TEACHING HIGH SCHOOL BIOLOGY. Required Previous: Twelve hours for Biology

BIOL-4763 Biochemical Genetics **3 Credits**
A STUDY OF THE MOLECULAR MECHANISMS CONTROLLING GENE REGULATION IN VIRUSES, PROKARYOTES AND EUKARYOTES. TOPICS WILL INCLUDE GENETIC ENGINEERING, MOLECULAR GENETICS, AND BIOCHEMISTRY OF MACROMOLECULAR INTERACTIONS. Required Previous: BIOL-1214 or BIOL-1314

BIOL-4883 Biology Senior Seminar **3 Credits**
DIRECTED STUDY ON BIOLOGICAL ACTIVITIES RELATED TO SENIOR LEVEL ASSESSMENT. (THIS COURSE SHOULD BE TAKEN DURING THE SEMESTER PRIOR TO GRADUATION.)

BIOL-4924 Advanced Research Experience **4 Credits**
A CONTINUATION OF THE RESEARCH EXPERIENCE. MUST HAVE PERMISSION FROM RESEARCH MENTOR WITH WHOM THE STUDENT WILL WORK CLOSELY TO DEVELOP AN INDEPENDENT RESEARCH PROJECT, FOSTERING SKILLS NECESSARY FOR CAREERS IN LABORATORY, FIELD, AND OTHER RESEARCH ORIENTED FIELDS. LABORATORY AND/OR FIELD. Required Previous: BIOL-2002 Must have permission from research mentor.

BIOL-4981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4982 Seminar in Biology (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4983 Seminar in Biology (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4984 Seminar in Biology (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4991 Individual Study in Biology (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4992 Individual Study in Biology (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4993 Individual Study in Biology (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4994 Individual Study in Biology (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-5013 Experimental Design and Data Analysis **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF EXPERIMENTAL DESIGN TECHNIQUES, CRITICAL THINKING AND ANALYSIS. EMPHASIS WILL BE ON COMMUNICATION OF SCIENTIFIC REASONING, LOGIC, RATIONALE, HYPOTHESIS AND ANALYSIS.

BIOL-5133 Special Topics in Evolution **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE MODERN THEORY AND MECHANISMS OF EVOLUTION. EMPHASIS ON THE IMPORTANCE OF EVOLUTION AS A UNIFYING CONCEPT TO THE FIELD OF BIOLOGY.

BIOL-5144 Freshwater Invertebrate Zoology **4 Credits**
IDENTIFICATION AND ECOLOGY OF FRESH WATER INVERTEBRATES. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-2644

BIOL-5223 Grant, Science Writing & Communications **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF RESEARCH CONCEPTUALIZATION FOLLOWED BY WRITTEN AND ORAL COMMUNICATIONS. THE COURSE WILL PROVIDE EXPOSURE TO AVAILABLE TOOLS AND RESOURCES TO GUIDE CONVERSION OF RESEARCH QUESTIONS INTO GRANT PROPOSALS. STUDENTS WILL LEARN TO REPORT THE RESULTS OF THEIR OWN RESEARCH IN THE FORMAT OF A JOURNAL ARTICLE, CONFERENCE-STYLE PRESENTATION, AND POSTER.

BIOL-5245 Advanced Comparative Vertebrate Anatomy **5 Credits**
COMPARATIVE MORPHOLOGY OF REPRESENTATIVE VERTEBRATES WITH EMPHASIS ON PHYLOGENY AND ONTOGENY AND CONSIDERATION OF HISTOLOGY AND FUNCTION. LECTURE AND LABORATORY.

BIOL-5245L Advanced Comparative Vertebrate Anatomy Lab **0 Credits**
LAB COURSE FOR BIOL-5245.

BIOL-5254 Special Topics in Medical Entomology **4 Credits**
COMPARATIVE MORPHOLOGY OF REPRESENTATIVE VERTEBRATES WITH EMPHASIS ON PHYLOGENY AND ONTOGENY AND CONSIDERATION OF HISTOLOGY AND FUNCTION. LECTURE AND LABORATORY.

BIOL-5254L Special Topics in Medical Entomology Lab **0 Credits**
LAB COURSE FOR BIOL-5254.

BIOL-5313 Microbiology and Man **3 Credits**
A SURVEY OF THE MICROORGANISMS, THEIR FORM, FUNCTION, AND IMPORTANCE IN PERSONAL AND COMMUNITY HEALTH AND ECOLOGY. THIS COURSE DESIGNED PRIMARILY AS GENERAL EDUCATION FOR GRADUATE STUDENTS.

BIOL-5323 Advanced Cell and Molecular Biology **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF CYTOLOGY, BIOCHEMISTRY, MOLECULAR REGULATION, AND FUNCTION OF CELLS AND ORGANELLES. EMPHASIS IS ON THE EUKARYOTIC CELL.

BIOL-5324 Advanced Topics in Herpetology **4 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF RECENT TOPICS IN HERPETOLOGICAL LITERATURE. THIS KNOWLEDGE TO BE ACQUIRED BY JOURNAL ARTICLES READ AND DISCUSSED, WITH WRITTEN REPORTS ON THREE ARTICLES. LECTURE AND LABORATORY.

BIOL-5324L Advanced Topics in Herpetology Lab **0 Credits**
LAB COURSE FOR BIOL-5324.

BIOL-5405 Advanced Techniques in Biotechnology **5 Credits**
GRADUATE COURSE AND LABORATORY TO PROVIDE AN ADVANCED UNDERSTANDING OF BIOTECHNOLOGICAL TECHNIQUES SUCH AS PROTEIN ENGINEERING, DIRECTED EVOLUTION, HIGH-THROUGHPUT SCREENING TECHNIQUES, CELL CULTURING TECHNIQUES, CLONING AND LIBRARY CONSTRUCTION, DIAGNOSTICS, VACCINOLOGY AND CREATING A BIOTECHNOLOGY ENTERPRISE.

BIOL-5405L Advanced Techniques in Biotechnology Lab **0 Credits**
LAB COURSE FOR BIOL-5405.

BIOL-5413 Common Plants of Oklahoma **3 Credits**
PLANT GROUPS OF GENERAL INTEREST TO THE LAYMAN, INCLUDING STUDY OF BASIC CHARACTERISTICS OF PLANT FAMILIES AND ENVIRONMENTAL FACTORS WHICH TEND TO LIMIT THEIR DISTRIBUTION TO CERTAIN PLANT COMMUNITIES. THIS COURSE IS DESIGNED PRIMARILY AS GENERAL EDUCATION FOR GRADUATES STUDENTS. LECTURE, LABORATORY, AND FIELD.

BIOL-5414 Advanced Topics in Ecology **4 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE ECOSYSTEM INCLUDING A SURVEY OF AQUATIC AND TERRESTRIAL SYSTEMS. LECTURE, LAB AND FIELD STUDY.

BIOL-5414L Advanced Topics in Ecology Lab **0 Credits**
LAB COURSE FOR BIOL-5414.

BIOL-5424 Advanced Ethnobotany **4 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF PLANT USE BY PEOPLE, INCLUDING SUCH TOPICS AS MEDICINAL, SOCIETAL, CULTURAL, AND ECONOMIC USES OF PLANTS FROM PRE-HISTORY TO CURRENT. LECTURE AND LABORATORY.

BIOL-5424L Advanced Ethnobotany Lab **0 Credits**
LAB COURSE FOR BIOL-5424.

BIOL-5433 Human Genetics **3 Credits**
A STUDY OF THE BASIC PRINCIPLES OF HUMAN GENETICS AND RELATED BIOLOGICAL PROBLEMS IMPORTANT TO OUR SOCIETY.

BIOL-5525 Advanced Plant Ecophysiology **5 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF HOW PLANTS COPE WITH ENVIRONMENTAL STRESS THROUGH PHYSIOLOGICAL MECHANISMS AND INTEGRATION. WE WILL USE LECTURE, LAB AND FIELD TECHNIQUES TO EXPLORE PLANT-ENVIRONMENT INTERACTIONS. (THIS IS A FIELD COURSE.)

BIOL-5525L Advanced Plant Ecophysiology Lab **0 Credits**
LAB COURSE FOR BIOL-5525.

BIOL-5535 Advanced Plant Ecology **5 Credits**
GRADUATE COURSE THAT EXPLORES TOPICS SUCH AS PLANT LIFE HISTORY TRAITS, DEMOGRAPHY, AND ABIOTIC AND BIOTIC INTERACTIONS. WE WILL USE LECTURE, DISCUSSION, LAB AND FIELD TECHNIQUES TO EXPLORE THE ECOLOGY OF PLANTS. (THIS IS A FIELD COURSE.)

BIOL-5535L Advanced Plant Ecology Lab **0 Credits**
LAB COURSE FOR BIOL-5535.

BIOL-5545 Advanced Molecular Biology **5 Credits**
GRADUATE COURSE TO PROVIDE AN IN-DEPTH INVESTIGATION OF SPECIFIC ENZYMES AND REAGENTS THAT MODIFY NUCLEIC ACIDS BOTH IN VIVO AND IN VITRO. THE THEORY BEHIND BIOCHEMICAL ACTIVITY, OPTIMAL REACTION CONDITIONS AND PRACTICAL APPLICATIONS IN BIOENGINEERING WILL BE EXPLORED IN BOTH LECTURE AND LABORATORY. THE PRACTICAL PORTION OF THE COURSE WILL BE PROJECT DRIVEN AND WILL INCORPORATE ANALYSES OF THE CURRENT SCIENTIFIC LITERATURE.

BIOL-5545L Advanced Molecular Biology Lab **0 Credits**
LAB COURSE FOR BIOL-5545.

BIOL-5554 Genomics and Bioinformatics **4 Credits**
ADVANCED STUDY AND ANALYSES OF GENOMES OF ALL THE GENES WITHIN A GENOME AND GENOMIC TECHNOLOGIES. TOPICS WILL INCLUDE TECHNIQUES AND METHODS IN GENETICS, GENOME SEQUENCING, METAGENOMICS, SEQUENCE ALIGNMENT, GENE AND PROTEIN ANALYSIS, -SEQ ANALYSIS, GWAS, MICROARRAY ANALYSIS, PROTEOMICS, DATABASE SEARCHING AND UNIQUE GENE ANNOTATION. LECTURE AND LABORATORY.

BIOL-5554L Genomics and Bioinformatics Lab **0 Credits**
LAB COURSE FOR BIOL-5554.

BIOL-5563 Pathogenic Microbiology **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF BACTERIAL, FUNGAL, AND VIRAL DISEASES. IT WILL PRIMARILY COVER HUMAN DISEASES AND AGRICULTURALLY IMPORTANT DISEASES IN CROPS AND LIVESTOCK. ROUTES OF INFECTION SUCH AS AIR BORNE, WATER BORNE, FOOD BORNE, SOIL BORNE, ARTHROPOD BORNE, AND SEXUAL CONTACT WILL BE INVESTIGATED. CHARACTERISTICS OF INFECTIVE ORGANISMS AND THEIR MECHANISMS OF INFECTION IN DIFFERENT ORGANISMS WILL BE INCLUDED IN THE DISCUSSION.

BIOL-5623 Medical Biochemistry **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE BIOCHEMICAL AND MOLECULAR BASIS FOR HUMAN DISEASES. LECTURE TOPICS WILL INCLUDE METABOLIC DISEASES SUCH AS ATHEROSCLEROSIS AND DIABETES, AND THE BIOCHEMISTRY RELATED TO PRION DISEASES, VIROLOGY AND CANCER. EMPHASIS ON THE MUTATIONAL MECHANISMS LEADING TO DISEASE, MODELING DISEASE AND PERSONALIZED MOLECULAR TREATMENT OPTIONS INCLUDING GENOME EDITING.

BIOL-5654 Histopathology **4 Credits**
THE STUDY OF THE MICROANATOMY OF TISSUES AND ORGANS. AN INTRODUCTION TO MICROPHYSIOLOGY AND PATHOHISTOLOGY. LECTURE AND LABORATORY.

BIOL-5654L Histopathology Lab **0 Credits**
LAB COURSE FOR BIOL-5654.

BIOL-5683 Advanced Immunology **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE PRINCIPLES, MECHANISMS, AND CLINICAL APPLICATIONS OF THE IMMUNE RESPONSE.

BIOL-5691 Thesis **1 Credit**
ECUGRAD: VARIABLE CREDIT ONE TO THREE HOURS. MAY BE REPEATED FOR CREDIT; MAXIMUM CREDIT FOR NON-THESIS TRACK THREE HOURS; FOR THESIS TRACK SIX HOURS. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5691L Thesis Lab **0 Credits**
LAB COURSE FOR BIOL-5691.

BIOL-5692 Thesis **2 Credits**
ECUGRAD: VARIABLE CREDIT ONE TO THREE HOURS. MAY BE REPEATED FOR CREDIT; MAXIMUM CREDIT FOR NON-THESIS TRACK THREE HOURS; FOR THESIS TRACK SIX HOURS. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5692L Thesis Lab **0 Credits**
LAB COURSE FOR BIOL-5692.

BIOL-5693 Thesis **3 Credits**
ECUGRAD: VARIABLE CREDIT ONE TO THREE HOURS. MAY BE REPEATED FOR CREDIT; MAXIMUM CREDIT FOR NON-THESIS TRACK THREE HOURS; FOR THESIS TRACK SIX HOURS. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5693L Thesis Lab **0 Credits**
LAB COURSE FOR BIOL-5693.

BIOL-5703 Advanced Biostatistics **3 Credits**
ADVANCED STUDY OF STATISTICAL METHODS COMMONLY USED IN ENVIRONMENTAL AND LIFE SCIENCE. TOPICS INCLUDE DESCRIPTIVE AND INFERENTIAL STATISTICS AND OTHER RELATED CALCULATIONS. CREDIT CANNOT BE APPLIED FROM BOTH EHS5703 AND BIOL5703.

BIOL-5713 Teaching in the Sciences **3 Credits**
SUPERVISED TEACHING AND CURRICULUM DEVELOPMENT WITHIN THE BIOLOGICAL SCIENCES FIELD. INTRODUCES GRADUATE STUDENTS TO A FULL RANGE OF TEACHING ROLES AND RESPONSIBILITIES RELATED TO INSTRUCTIONAL METHODS. SUPERVISED TEACHING AND CURRICULUM DEVELOPMENT WITHIN THE BIOLOGICAL SCIENCES FIELD. INTRODUCES GRADUATE STUDENTS TO A FULL RANGE OF TEACHING ROLES AND RESPONSIBILITIES RELATED TO INSTRUCTIONAL METHODS.

BIOL-5773 Graduate Examination **3 Credits**
IN COORDINATION WITH INSTRUCTOR, STUDENT WILL PREPARE AND SUCCESSFULLY COMPLETE GRADUATE EXAMINATION RELATED TO PLAN OF STUDY WITH WRITTEN EVALUATION FOR NON-THESIS TRACK AND ORAL EXAMINATIONS FOR THESIS TRACK GRADUATE STUDENTS. EXAMS COMPREHENSIVELY ASSESS FOR GRADUATE LEVEL ORGANIZED, LOGICAL AND CRITICAL THINKING SKILLS IN THE STUDENT TRACK TOPIC AREA.

BIOL-5935 Advanced Limnology **5 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE BASIC PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS OF FRESHWATER ECOSYSTEMS. EXPOSURE TO STANDARD FIELD SAMPLING AND DATA-COLLECTION PROCEDURES, AND THE ANALYSIS AND INTERPRETATION OF DATA FROM FRESHWATER ECOSYSTEMS. LECTURE AND LABORATORY AND FIELD WORK.

BIOL-5935L Advanced Limnology Lab **0 Credits**
LAB COURSE FOR BIOL-5935.

BIOL-5981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5982 Seminar in Biology (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5983 Seminar in Biology (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5984 Seminar in Biology (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5991 Individual Studies in Biology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-5992 Individual Studies in Biology (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-5993 Individual Studies in Biology (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-5994 Individual Studies in Biology (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-H1114L Honors-General Biology Laboratory **0 Credits**
LAB COURSE FOR BIOL-H114.

BIOL-H2344 Honors-General Microbiology **4 Credits**
THE DISTRIBUTION, DISSEMINATION, CLASSIFICATION, AND IDENTIFICATION OF MICROORGANISMS, SPECIAL ATTENTION TO ORGANISMS CAUSING DISEASE AND TO IMMUNITY FROM THESE ORGANISMS. LECTURE AND LABORATORY. Required Previous: BIOL-1114

BIOL-H2345 Honors-General Microbiology **5 Credits**
THE DISTRIBUTION, DISSEMINATION, CLASSIFICATION, AND IDENTIFICATION OF MICROORGANISMS, SPECIAL ATTENTION TO ORGANISMS CAUSING DISEASE AND TO IMMUNITY FROM THESE ORGANISMS. LECTURE AND LABORATORY.

BIOL-H2345L Honors-General Microbiology Laboratory **0 Credits**
LAB COURSE FOR BIOL-H2345.

BIOL-H3134 Honors-Field Zoology **4 Credits**
AN INTRODUCTION TO LOCAL ANIMAL LIFE BASED UPON CLASSIFICATION, DISTRIBUTION, AND NATURAL HISTORY OF REPRESENTATIVES OF THE ANIMAL PHYLA OF THIS REGION. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-H3245 Honors-Comparative Vertebrate Anatomy **5 Credits**
COMPARISON OF ANATOMICAL STRUCTURE IN VERTEBRATE TYPES. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-H3343 Honors-Experimental Molecular Biology **3 Credits**
A STUDY OF THE EXPERIMENTAL APPROACH AND TECHNIQUES USED IN MOLECULAR BIOLOGY. EMPHASIS WILL BE PLACED ON THE EXTRACTION, ISOLATION, AND PURIFICATION OF PROTEINS AND NUCLEIC ACIDS OF BACTERIA, FUNGI, PLANTS, AND ANIMALS. Required Previous: BIOL-1314

BIOL-H3434 Honors-Genetics **4 Credits**
A STUDY OF BASIC PRINCIPLES IN INHERITANCE INCLUDING MENDELISM AND MOLECULAR MECHANISMS AND RECOMBINANT DNA TECHNOLOGY. LECTURE AND LAB. Required Previous: BIOL-1214

BIOL-H3434L Honors-Genetics Laboratory **0 Credits**
LAB COURSE FOR BIOL-3434.

BIOL-H3553 HONORS-Genomics and Bioinformatics **3 Credits**
INTRODUCTION TO THE STUDY AND ANALYSIS OF GENOMES AND THE FUNCTIONS AND RELATIONSHIPS (BROADLY INCLUDING BIOCHEMICAL ACTIVITY AND BIOLOGICAL FUNCTION) OF ALL THE GENES WITHIN A GENOME. TOPICS WILL INCLUDE TECHNIQUES AND METHODS IN GENETICS, GENOME SEQUENCING, SEQUENCE ALIGNMENT, GENE AND PROTEIN ANALYSIS, MICROARRAY ANALYSIS, PROTEOMICS AND DATABASE SEARCHING. Required Previous: BIOL-1214 or BIOL-1314

BIOL-H3634 Honors-Human Physiology **4 Credits**
FUNCTION OF THE HUMAN BODY, PHYSICAL AND CHEMICAL CHANGES WHICH OCCUR IN LIVING SYSTEMS. LABORATORY STUDIES IN THE PHYSICAL AND CHEMICAL NATURE OF ENERGY CHANGES OCCURRING IN LIVING SYSTEMS, AND THEIR EVALUATION UNDER VARIED CONDITIONS. LECTURE AND LABORATORY. Required Previous: BIOL-2184 OR BIOL-2344 OR BIOL-3245; Degree credit not allowed in both BIOL 3615 and 3634.

BIOL-H3634L Honors-Human Physiology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3634.

BIOL-H3654 Honors-Histology **4 Credits**
INTRODUCTION TO THE ESSENTIALS OF MICROANATOMY OF TISSUES AND ORGANS. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-H3654L Honors-Histology Laboratory **0 Credits**
LAB COURSE FOR BIOL-H3654.

BIOL-H3683 Honors-Immunology **3 Credits**
AN INTRODUCTORY STUDY OF THE PRINCIPLES, MECHANISMS, AND CLINICAL APPLICATIONS OF THE IMMUNE RESPONSE. Required Previous: BIOL-2344

BIOL-H3934 Honors-Limnology **4 Credits**
INTRODUCTION TO THE STUDY OF FRESHWATER BIOLOGY, PHYSICAL AND CHEMICAL FACTORS, PLANKTON ANALYSIS, BOTTOM FAUNA LAKE AND STREAM MAPPING AND PRODUCTIVITY STUDIES. LECTURE AND LABORATORY. Required Previous: BIOL-1214

BIOL-H4113 Honors-Vertebrate Embryology **3 Credits**
OUTLINE OF FACTS AND FACTORS IN EMBRYONIC DEVELOPMENT OF FISHES, AMPHIBIANS, REPTILES, BIRDS AND MAMMALS. Required Previous: BIOL-1314

BIOL-H4214 Honors-Taxonomy of Flowering Plants **4 Credits**
IDENTIFICATION AND CLASSIFICATION OF PLANTS, ESPECIALLY OF THE LOCAL FLORA, CONSTRUCTION AND USE OF KEYS AND THE PREPARATION OF AN HERBARIUM. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1214

BIOL-H4214L Honors-Taxonomy of Flowering Plants Laboratory **0 Credits**
LAB COURSE FOR BIOL-H4214.

BIOL-H4313 Honors-Cell and Molecular Biology **3 Credits**
CYTOLOGY, BIOCHEMISTRY, MOLECULAR REGULATION, AND FUNCTION OF CELLS AND ORGANELLES. EMPHASIS IS ON THE EUKARYOTIC CELL. Required Previous: Twelve hours of Biology

BIOL-H4414 Honors-Ecology **4 Credits**
A STUDY OF THE STRUCTURE AND FUNCTION OF THE ECOSYSTEM INCLUDING A SURVEY OF THE AQUATIC AND TERRESTRIAL HABITATS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-H4414L Honors-Ecology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4414.

BIOL-H4534 Honors-Wildlife Management **4 Credits**
THE APPLICATION OF SCIENTIFIC PRINCIPLES TO THE ECOLOGICAL PROBLEMS ASSOCIATED WITH THE MANAGEMENT OF WILDLIFE POPULATIONS AND THEIR HABITATS. LECTURE AND LABORATORY. Required Previous: BIOL-1214 or BIOL-1314

BIOL-H4614 Honors-Animal Parasitology **4 Credits**
MORPHOLOGY, LIFE HISTORY, AND CLASSIFICATION OF THE MORE IMPORTANT PARASITES OF ANIMALS, HOST-PARASITE RELATIONSHIP AND METHODS OF CONTROL. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-H4765 Honors-Molecular Genetics **5 Credits**
A STUDY OF THE MOLECULAR MECHANISMS CONTROLLING GENE REGULATION AND DEVELOPMENT IN PROKARYOTIC AND EUKARYOTIC ORGANISMS. TECHNIQUES IN GENETIC ENGINEERING AND GENOMICS WILL BE INCLUDED IN BOTH LECTURE AND LABORATORY SESSIONS. SPECIAL TOPICS SUCH AS MOLECULAR GENETICS OF THE CELL CYCLE AND OF CANCER WILL BE COVERED.

BIOL-H4881 Honors-Biology Senior Seminar **1 Credit**
DIRECTED STUDY ON BIOLOGICAL ACTIVITIES RELATED TO SENIOR LEVEL ASSESSMENT. (THIS COURSE SHOULD BE TAKEN DURING THE SEMESTER PRIOR TO GRADUATION.)

BIOL-H4983 Honors-Seminar in Biology (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4991 Honors-Individual Studies in Biology (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4992 Honors-Individual Studies in Biology (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4993 Honors-Individual Studies in Biology (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4994 Honors-Individual Studies in Biology (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-S4981 Seminar in Biology (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-S5981 Seminar in Biology (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BUSINESS ECONOMICS (BSEC)

BSEC-2603 Business and Economic Statistics 3 Credits
SUMMARIZING AND ANALYZING DATA FOR PRACTICAL USE IN SOLVING COMMONLY ENCOUNTERED ANALYTICAL PROBLEMS IN ACCOUNTING, BUSINESS OR ECONOMICS. COMPUTERIZED SOLUTION METHODS EMPHASIZED. STUDENTS PLANNING TO ENTER GRADUATE SCHOOL FOLLOWING GRADUATION ARE STRONGLY ADVISED TO TAKE MATH 1223, IN LIEU OF BSEC 2603. Required Previous: MATH-1513, MATH-1613 or MATH-2613 with a grade of C or higher or departmental approval.

BSEC-3013 Introducation to Econometrics 3 Credits
INTRODUCTION TO METHODS OF QUANTITATIVE ANALYSIS OF ECONOMIC DATA. REVIEWS BASIC STATISTICAL METHODS AND PROBABILITY DISTRIBUTION. TOPICS INCLUDE DATA MANAGEMENT USING PROFESSIONAL STATISTICAL SOFTWARE APPLICATIONS; MULTIPLE REGRESSION ANALYSIS; HYPOTHESIS TESTING UNDER CONDITIONS OF MULTICOLLINEARITY, HETEROSCEDASTICITY, AND SERIAL CORRELATION. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

BSEC-3103 Foundations of Data Analytics 3 Credits
THIS COURSE INTRODUCES STUDENTS TO THE FUNDAMENTAL CONCEPTS OF DATA ANALYTICS FOR DECISION-MAKING IN BUSINESS. STUDENTS WILL EXPLORE THE CAPABILITIES AND CHALLENGES OF DATA-DRIVEN BUSINESS DECISION-MAKING. THE COURSE WILL INCLUDE HANDS-ON WORK WITH DATA AND SOFTWARE. TOPICS TO BE COVERED INCLUDE DATA PREPARATION AND MANIPULATION, DESCRIPTIVE, PREDICTIVE, AND PRESCRIPTIVE ANALYTICS, DECISIONS UNDER UNCERTAINTY, AND DECISION ANALYTICS TOOLS (CLUSTER ANALYSIS, CLASSIFICATION, AND LINEAR REGRESSION) Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

BSEC-4003 Advanced Data Analytics 3 Credits
STUDENTS WILL APPLY ANALYTICS TOOLS AND APPLICATIONS TO SOLVE REAL-LIFE BUSINESS PROBLEMS. IN ADDITION TO BASIC ANALYTICS TOOLS SUCH AS DESCRIPTIVE STATISTICS, DATA VISUALIZATION, CLUSTERING, AND CLASSIFICATION, STUDENTS WILL LEARN BASIC MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE TECHNIQUES. MULTI-VARIATE REGRESSION ANALYSIS, LOGISTIC REGRESSION, ANALYSIS OF VARIANCE (ANOVA AND MANOVA), TIME SERIES MODELS, AND ANALYSIS OF CATEGORICAL VARIABLES WILL BE DISCUSSED. STUDENTS WILL BE INTRODUCED TO Required Previous: BSEC-3103 or departmental approval

BSEC-5203 Data Analytics 3 Credits
THIS COURSE PROVIDES MBA STUDENTS WITH FOUNDATIONAL SKILLS IN DATA ANALYTICS, FOCUSING ON APPLYING ANALYTICAL METHODS TO SOLVE REAL-WORLD BUSINESS CHALLENGES. THROUGH HANDS-ON PRACTICE WITH DATA COLLECTION, ANALYSIS, VISUALIZATION, AND INTERPRETATION, STUDENTS WILL LEARN TO MAKE DATA-DRIVEN DECISIONS, ENHANCING STRATEGIC INSIGHTS ACROSS VARIOUS BUSINESS FUNCTIONS. Required Previous: BSEC-2603

BUSINESS COMMUNICATION (BUCOM)

BUCOM-3133 Business Communication and Report Writing 3 Credits
THE ESSENTIAL QUALITIES OF BUSINESS WRITING; PRINCIPLES OF WRITING EFFECTIVE BUSINESS LETTERS AND REPORTS; THE PSYCHOLOGY AND TECHNIQUES USED IN MODERN BUSINESS WRITING AND EXPERIENCE IN WRITING VARIOUS KINDS OF BUSINESS LETTERS. ANALYSIS OF BUSINESS PROBLEMS; METHODS OF DATA COLLECTION; ORGANIZATION OF DATA; ANALYSIS AND INTERPRETATION; QUESTIONNAIRE CONSTRUCTION; GRAPHIC AIDS; PROPOSAL PREPARATION; ACTUAL WRITING OF PROPOSAL AND FORMAL REPORT. Required Previous: ENG-1113

BUSINESS (BUS)

BUS-1113 Foundations of Business 3 Credits
THE COURSE COMBINES AND LINKS PRIMARY FIELDS OF BUSINESS STUDY-MANAGEMENT, MARKETING, FINANCE, ACCOUNTING, AND ECONOMICS-TO OFFER STUDENTS AN INTEGRATIVE PERSPECTIVE OF MODERN BUSINESS IN AN ENVIRONMENT OF DIVERSITY AND GLOBALIZATION. IN ADDITION, THE COURSE WILL EXPLORE THE VARIOUS DEGREE AND CERTIFICATE OPTIONS OFFERED IN THE STONECIPHER SCHOOL OF BUSINESS (SSB), AS WELL AS CAREER OPPORTUNITIES IN BUSINESS, AND TEACH STUDENTS STUDY AND TEST TAKING SKILLS, TIME MANAGEMENT, SSB WRITING STYLES, A

BUS-2881 Special Studies- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-2882 Special Studies- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-2883 Special Studies- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-2884 Special Studies- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-3013 Native American Economic Development **3 Credits**
THIS COURSE WILL PROVIDE AN OVERVIEW OF THE THREE PRIMARY METHODS UTILIZED IN INDIAN COUNTRY BY TRIBAL LEADERSHIP TO EFFECT ECONOMIC DEVELOPMENT FOR THEIR SOVEREIGN NATIONS. THE COURSE WILL EXAMINE THE HISTORY OF THE ECONOMIC DEVELOPMENT IN INDIAN COUNTRY, THE PURPOSES BEHIND EACH OF THE THREE DEVELOPMENT METHODS AND WILL UTILIZE THREE NATIVE AMERICAN NATIONS (CHICKASAW, CHEYENNE-ARAPAHO AND LAKOTA SIOUX) AS EXAMPLES OF SUCCESSFUL DEVELOPMENT BY NATIVE AMERICAN NATIONS.

BUS-4103 Global Business **3 Credits**
AN UNDERSTANDING OF GLOBAL BUSINESS INCLUDING ITS IMPORTANCE IN TODAY'S WORLD, THE EVOLUTION OF INTERNATIONAL INSTITUTIONS AND THE MONETARY SYSTEM, THE DIFFERENCES AND SIMILARITIES AMONG NATIONS AND CULTURES, AND THE SPECIAL CHARACTERISTICS OF THE BUSINESS FUNCTIONS IN A GLOBAL SETTING. Required Previous: MGMT-3013 or departmental approval.

BUS-4213 Business Ethics **3 Credits**
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213.

BUS-4303 Business Strategy and Policy **3 Credits**
AN INTEGRATED APPROACH TO THE FORMULATION AND IMPLEMENTATION OF CORPORATE STRATEGY EMPHASIZING KNOWLEGDE GAINED IN EARLIER ACCOUNTING AND BUSINESS ADMINISTRATION COURSES. COURSE TO BE TAKEN LAST SEMESTER OF SENIOR YEAR. Required Previous: BUCOM-3133 or departmental approval.

BUS-4613 Professional Consulting **3 Credits**
A COURSE THAT COMBINES CLASSROOM LECTURE AND PRACTICAL APPLICATION WITH THE CASE OR PROJECT METHODS OF INSTRUCTION. A TEAM OF STUENTS WITH FACULTY SUPERVISION, WORKS IN A CONSULTING ROLE WITH AN ORGANIZATION TO RECOMMEND SOLUTIONS TO SOME PROBLEM. STUDENTS TYPICALLY APPLY TECHNIQUES IN STRATEGIC PLANNING, MARKET RESEARCH, PROMOTION, FEASIBILITY ANALYSIS, FINANCIAL ANALYSIS, AND/OR OPERATIONS MANAGEMENT.

BUS-4621 Internship **1 Credit**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMONG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADED ON A PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4622 Internship **2 Credits**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMONG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADED ON PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4623 Internship **3 Credits**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMOUNG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADEDON PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4624 Internship **4 Credits**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMONG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADED ON A PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4981 Seminar in Business (subject named in title Listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4982 Seminar in Business (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4983 Seminar in Business (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4984 Seminar in Business (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4991 Individual Study in Business (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4992 Individual Study in Business (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4993 Individual Study in Business (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4994 Individual Study in Business (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5123 Organizational Leadership 3 Credits
THE COURSE FOCUSES ON THE THEORY AND PRACTICE OF SITUATIONAL LEADERSHIP. COURSE PARTICIPANTS WILL LEARN ABOUT THEORIES OF MOTIVATION, ORGANIZATION DESIGN, AND PERFORMANCE MANAGEMENT BY EXAMINING FACTORS THAT INFLUENCE INDIVIDUAL AND GROUP PERFORMANCE MANAGEMENT. THEORETICAL UNDERPINNINGS OF LEADERSHIP PHILOSOPHY WILL BE APPLIED TO THE EXPLORATION OF CURRENT ISSUES IN MODERN ORGANIZATIONAL LIFE. PRAGMATIC PHILOSOPHIES AND STRATEGIES FROM CURRENT LEADERS WILL ALSO BE EXPLORED. PARTICIPANTS WILL DE

BUS-5981 Seminar in Business (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5982 Seminar in Business (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5983 Seminar in Business (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORKMAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5984 Seminar in Business (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5991 Individual Study in Business (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-5992 Individual Study in Business (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-5993 Individual Study in Business (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-5994 Individual Study in Business (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-H4103 Honors-Global Business 3 Credits
AN UNDERSTANDING OF GLOBAL BUSINESS INCLUDING ITS IMPORTANCE IN TODAY'S WORLD, THE EVOLUTION OF INTERNATIONAL INSTITUTIONS AND THE MONETARY SYSTEM, THE DIFFERENCES AND SIMILARITIES AMONG NATIONS AND CULTURES, AND THE SPECIAL CHARACTERISTICS OF THE BUSINESS FUNCTIONS IN A GLOBAL SETTING. Required Previous: ECON-2003 or departmental approval.

BUS-H4213 Honors-Business Ethics 3 Credits
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213. Required Previous: BUCOM-3133 or departmental approval.

BUS-H4303 Honors-Business Strategy and Policy 3 Credits
AN INTEGRATED APPROACH TO THE FORMULATION AND IMPLEMENTATION OF CORPORATE STRATEGY EMPHASIZING KNOWLEGDE GAINED IN EARLIER ACCOUNTING AND BUSINESS ADMINISTRATION COURSES. COURSE TO BE TAKEN LAST SEMESTER OF SENIOR YEAR. Required Previous: BUCOM-3133 or departmental approval.

BUS-H4981 Honors-Seminar in Business (subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-H4983 Honors-Seminar in Business (subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-H4993 Honors-Individual Study in Business (subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-S4981 Seminar in Business (subject named in title Listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-S5981 Seminar in Business (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUSINESS LAW (BUSLW)

BUSLW-3213 The Legal Environment of Business **3 Credits**
INTRODUCTION TO THE AMERICAN LEGAL ENVIRONMENT WITH AN OVERVIEW OF THE LEGAL SYSTEM AS IT AFFECTS THE INDIVIDUAL'S RELATIONSHIP WITH OTHER INDIVIDUALS, THE GOVERNMENT, AND COMMERCE. THE COURSE EXPLORES BASIC ISSUES AND TOPICS SUCH AS THE MEANING AND FUNCTION OF LAW, TORTS, CONTRACTS, PRODUCT LIABILITY, AGENCY, AND EMPLOYMENT LAW.

BUSLW-3253 Business Law **3 Credits**
BASIC PRINCIPLES OF LAW AS APPLIED TO BUSINESS TRANSACTIONS. TOPICS INCLUDE: CONTRACTS, SALES, COMMERCIAL PAPER, BUSINESS ORGANIZATIONS, AND ACCOUNTANTS' LEGAL LIABILITY. Required Previous: BUSLW-3213 or departmental approval.

BUSLW-4253 Employment and Labor Law **3 Credits**
STUDENTS WILL LEARN THE BASICS OF EMPLOYMENT AND LABOR LAW SO THEY CAN LEGALLY HIRE, EVALUATE AND MANAGE EMPLOYEES AS A MANAGER, SUPERVISOR, SMALL BUSINESS OWNER, HUMAN RESOURCE SPECIALIST, OR CORPORATE EXECUTIVE. STUDENTS WILL LEARN THE DIFFERENCE BETWEEN AN EMPLOYEE AND INDEPENDENT CONTRACTOR, THE BASIC TYPES OF EMPLOYEE BENEFITS, EFFECTIVE HIRING, EVALUATION, AND TERMINATION PROCEDURES, DISCRIMINATION AND LABOR LAWS, AND WORKPLACE SAFETY RULES. THIS COURSE COVERS THE EMPLOYMENT AND LABOR LAW

BUSLW-5133 Contemporary Legal Issues **3 Credits**
EXAMINES LEGAL CONSTRAINTS AFFECTING MANAGERIAL DECISION MAKING AND BUSINESS BEHAVIOR. TOPICS INCLUDE SECURITIES, SECURED TRANSACTIONS, INTELLECTUAL PROPERTY, LEGAL ASPECTS OF BANKRUPTCY, LEGAL LIABILITY OF ACCOUNTANTS, EMPLOYMENT LAW, ENVIRONMENTAL LAW, AND INTERNET-RELATED LEGAL ISSUES. Required Previous: BUSLW-3213

BUSLW-5203 Advanced Employment and Labor Law **3 Credits**
STUDENTS WILL LEARN HOW TO LEGALLY AND EFFECTIVELY IMPLEMENT BASIC EMPLOYMENT AND LABOR LAWS. THE COURSE WILL EXAMINE HIRING PROCESSES, MANAGEMENT AND EVALUATION OF EMPLOYEES, AND TERMINATING THE EMPLOYMENT RELATIONSHIP. THE COURSE IS DESIGNED FOR STUDENTS WHO ARE OR WILL BECOME MANAGERS, SUPERVISORS, OR SMALL BUSINESS OWNERS.

CARTOGRAPHY (CARTO)

CARTO-2713 Elements of Data Collection and Field Studies **3 Credits**
INTRODUCTION TO GEOGRAPHIC DATA COLLECTION. PROPER ORGANIZATION OF FIELD PROBLEMS, FORMULATION OF HYPOTHESES, DATA IDENTIFICATION AND ACQUISITION, AND ANALYSIS WILL BE TAUGHT. BASE MAP INTERPRETATION (TOPOGRAPHIC MAPS, AERIAL PHOTOGRAPHY, REMOTELY-SENSED IMAGERY) AND FIELD SKILLS (PREPARATION, FIELD DESIGN ISSUES, SURVEYING AND INSTRUMENT USE SUCH AS GPS AND COMPASS) WILL ALSO BE STRESSED. Required Previous: CARTO-2253 or Departmental Approval

CARTO-3753 Aerial Photography and Remote Sensing **3 Credits**
INTERPRETATION OF MAPS, AERIAL PHOTOGRAPHS, AND REMOTELY SENSED IMAGES FOR GEOGRAPHIC RESEARCH. Required Previous: CARTO-2253 or Departmental Approval

CARTO-4941 Internship (Field named in title Listing) **1 Credit**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4942 Internship (Field named in title listing) **2 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4943 Internship (Field named in title listing) **3 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4944 Internship (Field named in title listing) **4 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4945 Internship (Field named in title listing) **5 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4946 Internship (Field named in title listing) **6 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4947 Internship (Field named in title listing) **7 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4948 Internship (Field named in title listing) **8 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4949 Internship (Field named in title listing) **9 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4981 Seminar in Cartography (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4982 Seminar in Cartography (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4983 Seminar in Cartography (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4984 Seminar in Cartography (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4991 Individual Studies in Cartography (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4992 Individual Studies in Cartography (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4993 Individual Studies in Cartography (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4994 Individual Studies in Cartography (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-H4753 Honors-Advanced Remote Sensing **3 Credits**
ADVANCED THEORY AND TECHNIQUES FOR DIGITAL IMAGE PROCESSING (PREPROCESSING, ENHANCEMENT, CLASSIFICATION, POST CLASSIFICATION ANALYSIS, SPECIAL TRANSFORMATIONS, MULTI-TEMPORAL DATA ANALYSIS FOR CHANGE DETECTIONS) OF SATELLITE IMAGERY RELATED TO EARTH RESOURCES AND INCORPORATION INTO GEOGRAPHIC INFORMATION SYSTEMS. Required Previous: CARTO-3753 or Departmental Approval

CHEMISTRY (CHEM)

CHEM-1114 General Chemistry I **4 Credits**
THIS COURSE DEALS WITH SOME OF THE FUNDAMENTAL LAWS, THEORIES, DEFINITIONS, AND ORGANIZING SCHEMES RELATING TO MATTER AND ENERGY AND THE CHANGES THAT TAKE PLACE IN THEM. IT IS A BROAD OVERVIEW OF THE PRINCIPLES OF CHEMISTRY AND CHEMICAL REACTIVITY. PREVIOUS EXPOSURE TO CHEMISTRY IS NOT ASSUMED. THREE HOURS LECTURE AND TWO HOURS LAB WEEKLY. Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

CHEM-1114L General Chemistry I Laboratory **0 Credits**
LAB COURSE FOR CHEM-1114.

CHEM-1214 General Chemistry II **4 Credits**
A CONTINUATION OF 1114. SOLUTION CHEMISTRY, ACIDS AND BASES, ELECTROCHEMISTRY, OXIDATION-REDUCTION AND MOLECULAR AND IONIC EQUILIBRIA. THE LABORATORY WILL INCLUDE AN INTRODUCTION TO QUALITATIVE ANALYSIS. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1114

CHEM-1214L General Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-1214.

CHEM-1314 General Organic and Biochemistry **4 Credits**
THREE HOURS OF LECTURE AND TWO HOURS OF LAB PER WEEK. A CONTINUATION OF 1114 FOR STUDENTS WHOSE MAJORS DO NOT REQUIRE OTHER CHEMISTRY COURSES. WILL COMPLETE A THOROUGH, BUT ROUNDED, FOUNDATION IN INTRODUCTORY CHEMISTRY THROUGH FOCUS ON SELECTED TOPICS IN INORGANIC, ORGANIC, AND BIOCHEMISTRY. Required Previous: CHEM-1114

CHEM-1314L General Organic and Biochemistry Laboratory **0 Credits**
LAB COURSE FOR CHEM-1314.

CHEM-1324 Chemical Principles **4 Credits**
AN INTRODUCTION TO GENERAL, ORGANIC AND BIOLOGICAL CHEMISTRY FOR ALLIED HEALTH MAJORS WITH THREE HOURS OF LECTURE AND TWO HOURS OF LAB PER WEEK. THIS COURSE COVERS SELECTED TOPICS IN GENERAL CHEMISTRY, ORGANIC CHEMISTRY, AND BIOLOGICAL CHEMISTRY. TOPICS COVERED IN LECTURE AND LAB INCLUDE MEASUREMENTS, ATOMIC STRUCTURE, BONDING, KINETICS, ACIDS/BASES, GASES, NOMENCLATURE, STATES OF MATTER, SOLUTIONS, STOICHIOMETRY AND REACTIONS, OXIDATION-REDUCTION, HYDROCARBONS, FUNCTIONAL GROUPS, CARBOHYDRATES, Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

CHEM-1324L Chemical Principles Laboratory **0 Credits**
LAB COURSE FOR CHEM-1324.

CHEM-2881 Special Studies in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-2882 Special Studies in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-2883 Special Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-2884 Special Studies in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-3114 Organic Chemistry I **4 Credits**
THEORY INCLUDES STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBONS OF BOTH THE ALIPHATIC AND AROMATIC SERIES. LAB WORK PROVIDES AN INTRODUCTION TO SYNTHESES AND REACTIONS OF HYDROCARBONS INCLUDING COMMON PURIFICATION TECHNIQUES. PROPER RECORD KEEPING OF EXPERIMENTAL WORK ALSO IS STRESSED. FOUR HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1214

CHEM-3114L Organic Chemistry I Laboratory **0 Credits**
LAB COURSE FOR CHEM-3114.

CHEM-3124 Chemistry of Food **4 Credits**
OVERVIEW OF THE CHEMICAL, PHYSICAL AND BIOLOGICAL PROPERTIES OF FOOD COMPONENTS WITH LAB EMPHASIZING CHEMICAL, PHYSICAL AND BIOLOGICAL CHANGES IN FOODS DURING PROCESSING AND STORAGE. Required Previous: CHEM-3114.

CHEM-3214 Quantitative Analysis I **4 Credits**
A COURSE IN THE GRAVIMETRIC AND VOLUMETRIC ANALYSIS WITH EMPHASIS ON CHEMICAL EQUILIBRIUM, CALCULATIONS, SEPARATION TECHNIQUES, AND ANALYSIS OF COMPLEX SUBSTANCES. THREE LECTURE AND THREE LAB HOURS WEEKLY. Required Previous: CHEM-1214

CHEM-3214L Quantitative Analysis I Laboratory **0 Credits**
LAB COURSE FOR CHEM-3214.

CHEM-3314 Quantitative Analysis II **4 Credits**
CONTINUATION OF 3214. Required Previous: CHEM-3214

CHEM-3484 Instrumental Analysis **4 Credits**
A STUDY OF EMISSION AND ABSORPTION SPECTROPHOTOMETRY, SEPARATION TECHNIQUES, AND ELECTRICAL ANALYTICAL METHODS. LABORATORY DETERMINATIONS WILL BE PERFORMED USING ATOMIC ABSORPTION, GAS CHROMATOGRAPHY, MASS SPECTROMETRY, IR, UV, AND VISIBLE SPECTROPHOTOMETRY, FLAME EMISSION, AND OTHER MODERN METHODS OF ANALYSIS. TWO HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. FORMAL LABORATORY REPORTS WILL BE REQUIRED. Required Previous: CHEM-3214

CHEM-3484L Instrumental Analysis Laboratory **0 Credits**
LAB COURSE FOR CHEM-3484.

CHEM-4114 Organic Chemistry II **4 Credits**
STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBON DERIVATIVES (ALKYLHALIDES, ALCOHOLS, ALDEHYDES, KETONES, CARBOXYLIC ACIDS, AMINES, ETC.) ARE COVERED. LAB WORK INCLUDES SYNTHESES, PURIFICATION, IDENTIFICATION (STRESS ON I.R. SPECTROSCOPY), AND LAB RECORD KEEPING. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-3114

CHEM-4114L Organic Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-4114.

CHEM-4213 Biochemistry **3 Credits**
AN INTRODUCTION TO THE CHEMISTRY OF LIVING SYSTEMS. THE STRUCTURE, NOMENCLATURE, AND CHEMICAL PROPERTIES OF THE MAJOR GROUPS OF BIOMOLECULES (CARBOHYDRATES, LIPIDS, PROTEINS, NUCLEIC ACIDS) ARE COVERED. THE BIOCHEMICAL NATURE OF ENZYMES, COENZYMES, HORMONES, AND SELECTED METABOLIC PATHWAYS ALSO ARE PRESENTED. Required Previous: CHEM-3114

CHEM-4221 Biochemistry Laboratory **1 Credit**
THREE HOURS OF LAB PER WEEK. TECHNIQUES (CHROMATOGRAPHY, ELECTROPHORESIS, SPECTROSCOPY, ETC.) FOR THE PREPARATION, IDENTIFICATION, AND QUANTIFICATION OF REPRESENTATIVE BIOMOLECULES ARE COVERED. ATTENTION ALSO IS GIVEN TO THE PROPERTIES OF ENZYMES AND TO THE KINETICS OF ENZYME CATALYZED REACTIONS. Required Previous or Concurrent: CHEM-4213

CHEM-4312 Teachers' Course in Chemistry **2 Credits**
PROBLEMS AND METHODS IN THE TEACHING OF CHEMISTRY.

CHEM-4413 Advanced Inorganic Chemistry **3 Credits**
A STUDY OF PERIODIC ARRANGEMENT OF THE ELEMENTS, THE CHEMISTRY OF THE REPRESENTATIVE AND TRANSITION ELEMENTS, AND ASPECTS OF THEORETICAL INORGANIC CHEMISTRY INCLUDING CHEMICAL BONDING, MOLECULAR SYMMETRY, COORDINATION CHEMISTRY, ACID-BASE CONCEPTS, AND ORGANOMETALLIC COMPOUNDS. THREE HOURS OF LECTURE WEEKLY. Required Previous: CHEM-1214

CHEM-4421 Advanced Inorganic Chemistry Laboratory **1 Credit**
THREE HOURS OF LABORATORY PER WEEK. TECHNIQUES (SOLID-STATE SYNTHESIS, X-RAY DIFFRACTOMETRY, FOURIER TRANSFORM INFRARED SPECTROSCOPY, INCLUDING DIFFUSE REFLECTANCE SPECTROSCOPY, ETC.) FOR THE SYNTHESIS, IDENTIFICATION, AND CHARACTERIZATION OF REPRESENTATIVE INORGANIC COMPOUNDS ARE COVERED. Required Previous or Concurrent: CHEM-4413

CHEM-4514 Physical Chemistry I **4 Credits**
A FUNDAMENTAL COURSE IN THE PRINCIPLES AND APPLICATIONS OF PHYSICAL CHEMISTRY, INCLUDING THE GAS LAWS, THERMODYNAMICS, THERMOCHEMISTRY, SOLUTION CHEMISTRY, PHASE EQUILIBRIA, CHEMICAL EQUILIBRIUM, KINETICS, AND ELECTROCHEMISTRY. THREE HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. Required Previous: MATH-2825

CHEM-4514L Physical Chemistry Laboratory **0 Credits**
LAB COURSE FOR CHEM-4514.

CHEM-4523 Advanced Biochemistry **3 Credits**
A CONTINUATION OF 4213, THE METABOLIC PATHWAYS OF THE MAJOR GROUPS OF BIOMOLECULES INCLUDING THE SYNTHESIS OF LIPIDS (FATTY ACIDS AND HORMONES AND VITAMINS), PROTEINS (AND AMINO ACIDS), AND NUCLEIC ACIDS WILL BE DISCUSSED. PHOTOSYNTHESIS AND AN EMPHASIS ON HOW THESE PROCESSES ARE CONTROLLED AND INTEGRATED THROUGHOUT THE CELL WILL ALSO BE PRESENTED. Required Previous: CHEM-4114

CHEM-4531 Advanced Biochemistry Laboratory **1 Credit**
CURRENT TECHNIQUES IN THE PURIFICATION AND CHARACTERIZATION OF ENZYME TO DEMONSTRATE FUNDAMENTAL PRINCIPLES THAT ARE UTILIZED IN MODERN BIOCHEMISTRY AND MOLECULAR BIOLOGY RESEARCH LABORATORIES. PRACTICAL SKILLS TAUGHT INCLUDE MICRO PIPETTING, BASIC SOLUTION PREPARATION, CONDUCTING PH MEASUREMENTS, ISOLATING CRUDE ENZYME EXTRACTS, AND PERFORMING STANDARD ACTIVITY ASSAYS. PROBLEM-SOLVING METHODOLOGY IN BIOCHEMISTRY, DISCUSSION OF RECENT ADVANCES IN AREAS RELATED TO THE SUBJECT MATTER WILL ALSO BE Required Previous: CHEM-4114

CHEM-4614 Physical Chemistry II **4 Credits**
A CONTINUATION OF 4514 EMPHASIZING QUANTUM THEORY, ATOMIC STRUCTURE, SYMMETRY, MOLECULAR SPECTROSCOPY, STATISTICAL MECHANICS, AND NUCLEAR CHEMISTRY. THREE HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. Required Previous: CHEM-4514

CHEM-4614L Physical Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-4614.

CHEM-4981 Seminar in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4982 Seminar in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4983 Seminar in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4984 Seminar in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4991 Individual Studies in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4992 Individual Studies in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4993 Individual Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4994 Individual Studies in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-5981 Seminar in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5982 Seminar in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5983 Seminar in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5984 Seminar in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5991 Individual Studies in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Chemistry

CHEM-5992 Individual Studies in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Chemistry

CHEM-5993 Individual Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twleve hours of Chemsitry

CHEM-5994 Individual Studies in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Chemistry

CHEM-H1214 Honors-General Chemistry II **4 Credits**
A CONTINUATION OF 1114. SOLUTION CHEMISTRY, ACIDS AND BASES, ELECTROCHEMISTRY, OXIDATION-REDUCTION AND MOLECULAR AND IONIC EQUILIBRIA. THE LABORATORY WILL INCLUDE AN INTRODUCTION TO QUALITATIVE ANALYSIS. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1114

CHEM-H3114 Honors-Organic Chemistry I **4 Credits**
THEORY INCLUDES STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBONS OF BOTH THE ALIPHATIC AND AROMATIC SERIES. LAB WORK PROVIDES AN INTRODUCTION TO SYNTHESES AND REACTIONS OF HYDROCARBONS INCLUDING COMMON PURIFICATION TECHNIQUES. PROPER RECORD KEEPING OF EXPERIMENTAL WORK ALSO IS STRESSED. FOUR HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1214

CHEM-H3114L Honors-Organic Chemistry I Laboratory **0 Credits**
LAB COURSE FOR CHEM-H3114.

CHEM-H3214 Honors-Quantitative Analysis I **4 Credits**
A COURSE IN THE GRAVIMETRIC AND VOLUMETRIC ANALYSIS WITH EMPHASIS ON CHEMICAL EQUILIBRIUM, CALCULATIONS, SEPARATION TECHNIQUES AND ANALYSIS OF COMPLEX SUBSTANCES. THREE LECTURE AND THREE LAB HOURS WEEKLY. Required Previous: CHEM-1214

CHEM-H4114 Honors-Organic Chemistry II **4 Credits**
STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBON DERIVATIVES (ALKYLHALIDES, ALCHOHOLS, ALDEHYDES, KETONES, CARBOXYLIC ACIDS, AMINES, ETC.) ARE COVERED. LAB WORK INCLUDES SYNTHESES, PURIFICATION, IDENTIFICATION (STRESS ON I.R. SPECTROSCOPY), AND LAB RECORD KEEPING. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-3114

CHEM-H4114L Honors-Organic Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-H4114.

CHEM-H4213 Honors-Biochemistry **3 Credits**
AN INTRODUCTION TO THE CHEMISTRY OF LIVING SYSTEMS. THE STRUCTURE, NOMENCLATURE, AND CHEMICAL PROPERTIES OF THE MAJOR GROUPS OF BIOMOLECULES (CARBOHYDRATES, LIPIDS, PROTEINS, NUCLEIC ACIDS) ARE COVERED. THE BIOCHEMICAL NATURE OF ENZYMES, COENZYMES, HORMONES, AND SELECTED METABOLIC PATHWAYS ALSO ARE PRESENTED. Required Previous: CHEM-3114

CHEM-H4413 Honors-Advanced Inorganic Chemistry **3 Credits**
A STUDY OF PERIODIC ARRANGEMENT OF THE ELEMENTS, THE CHEMISTRY OF THE REPRESENTATIVE AND TRANSITION ELEMENTS, AND ASPECTS OF THEORETICAL INORGANIC CHEMISTRY INCLUDING CHEMICAL BONDING, MOLECULAR SYMMETRY, COORDINATION CHEMISTRY, ACID-BASE CONCEPTS, AND ORGANOMETALLIC COMPOUNDS. THREE HOURS OF LECTURE WEEKLY. Required Previous: CHEM-1214

CHEM-H4514 Honors-Physical Chemistry I **4 Credits**
A FUNDAMENTAL COURSE IN THE PRINCIPLES AND APPLICATIONS OF PHYSICAL CHEMISTRY, INCLUDING THE GAS LAWS, THERMODYNAMICS, THERMOCHEMISTRY, SOLUTION CHEMISTRY, PHASE EQUILIBRIA, CHEMICAL EQUILIBRIUM, KINETICS, AND ELECTROCHEMISTRY. THREE HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. Required Previous: CHEM-1214

CHEM-H4993 Honors-Individual Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-S5981 Seminar in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-S5982 Seminar in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-S5983 Seminar in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHICKASAW (CHI)

CHI-1113 Chickasaw I **3 Credits**
INTRODUCTION TO ELEMENTS OF GRAMMAR, PRONUNCIATION, VOCABULARY-BUILDING SKILLS, CONVERSATION, AND EASY READING ACTIVITIES OF THE CHICKASAW LANGUAGE. THE HISTORY AND CULTURE OF THE CHICKASAW NATION WILL ALSO BE EMPHASIZED.

CHI-2113 Chickasaw II **3 Credits**
CONTINUATION OF THE ELEMENTS OF GRAMMAR, PRONUNCIATION, AND VOCABULARY-BUILDING SKILLS, CONVERSATION, AND READING ACTIVITIES OF THE CHICKASAW LANGUAGE WITHIN ITS EVERYDAY CONTEXTS. THE HISTORY AND CULTURE OF THE CHICKASAW NATION WILL CONTINUE TO BE EMPHASIZED. Required Previous: CHI-1113

CHI-3113 Chickasaw III **3 Credits**
CONTINUATION OF THE STRUCTURE OF THE CHICKASAW LANGUAGE WITH INCREASED ATTENTION TO ITS PHONOLOGY, MORPHOLOGY AND SYNTAX. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL CONTINUE TO BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHI-2113

CHI-4113 Chickasaw IV **3 Credits**
A SYSTEMATIC REVIEW OF THE CHICKASAW LANGUAGE. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHI-3113

CHEMISTRY EDUCATION (CHMED)

CHMED-S5981 Seminar in Chemistry Education (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHOCTAW (CHO)

CHO-1113 Choctaw I **3 Credits**
INTRODUCTION TO ELEMENTS OF GRAMMAR, PRONUNCIATION, VOCABULARY-BUILDING SKILLS, CONVERSATION, AND EASY READING ACTIVITIES OF THE CHOCTAW LANGUAGE. THE HISTORY AND CULTURE OF THE CHOCTAW NATION WILL ALSO BE EMPHASIZED.

CHO-2113 Choctaw II **3 Credits**
CONTINUATION OF THE ELEMENTS OF GRAMMAR, PRONUNCIATION, AND VOCABULARY-BUILDING SKILLS, CONVERSATION AND READING ACTIVITIES OF THE CHOCTAW LANGUAGE WITHIN ITS EVERYDAY CONTEXTS. THE HISTORY AND CULTURE OF THE CHOCTAW NATION WILL CONTINUE TO BE EMPHASIZED. Required Previous: CHO-3113

CHO-3113 Choctaw III **3 Credits**
CONTINUATION OF THE STRUCTURE OF THE CHOCTAW LANGUAGE WITH INCREASED ATTENTION TO ITS PHONOLOGY, MORPHOLOGY AND SYNTAX. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL BE CONTINUED TO BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHO-2113

CHO-4113 Choctaw IV **3 Credits**
A SYSTEMATIC REVIEW OF THE CHOCTAW LANGUAGE. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHO-3113

CRIMINAL JUSTICE - SOCIOLOGY (CJSOC)

CJSOC-4313 Criminology **3 Credits**
THE CAUSE, PREVENTION AND TREATMENT OF CRIME. Required Previous: SOC-1113

COMPUTER SCIENCE (CMPSC)

CMPSC-1113 Computer Programming I **3 Credits**
INTRODUCTION TO THE THEORY AND TECHNIQUES OF PROGRAMMING USING HIGH-LEVEL LANGUAGES. EQUIVALENT TO COURSE CS1 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous or Concurrent: MATH-1513, MATH-1613 or departmental approval.

CMPSC-1133 Computer Programming II **3 Credits**
MODERN PROGRAMMING TECHNIQUES, INCLUDING TOP-DOWN DESIGN, BOTTOM-UP DESIGN, AND STRUCTURED TECHNIQUES ARE STUDIED. THE LANGUAGE OF INSTRUCTION IS A MODERN, STRUCTURED PROGRAMMING LANGUAGE. THIS COURSE IS EQUIVALENT TO COURSE CS2 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-1113 or departmental approval.

CMPSC-1513 Computer Literacy **3 Credits**
A MULTIDISCIPLINARY STUDY OF CONCEPTS, TERMS, AND TRENDS IN COMPUTING, AUGMENTED WITH DATABASE, SPREADSHEET, WORD PROCESSING AND INTERNET SKILLS. THIS COURSE EQUIPS THE STUDENT TO FUNCTION IN THE INFORMATION AGE.

CMPSC-2881 Subject Named in Title Listing Special Studies in Computer Science - **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-2882 Subject Named in Title Listing Special Studies in Computer Science - **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-2883 Subject Named in Title Listing Special Studies in Computer Science - **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-2884 Subject Named in Title Listing Special Studies in Computer Science - **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-3113 Operating Systems **3 Credits**
THE FUNCTIONS OF AN OPERATING SYSTEM INCLUDING THE FILE SYSTEM, THE RESIDENT MONITOR, INTERRUPT PROCESSING, MULTIPROCESSING, AND TIMESHARING SYSTEMS. EQUIVALENT TO COURSE CS6 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous or Concurrent: CMPSC-3613

CMPSC-3213 Organization of Programming Languages **3 Credits**
THE SYNTAX, ORGANIZATION, AND RUN-TIME BEHAVIOR OF SEVERAL HIGH-LEVEL PROGRAMMING LANGUAGES IS EXPLORED. BLOCK STRUCTURED LANGUAGES, DATA TYPES, CONTROL STRUCTURES AND DATA FLOW, AND MANAGEMENT OF STORAGE ARE EXAMINED. THIS COURSE IS EQUIVALENT TO COURSE CS8 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-1133

CMPSC-3233 Linux Tools **3 Credits**
USING THE TOOLS AVAILABLE UNDER THE LINUX SYSTEM, INCLUDING SOFTWARE DEVELOPMENT TOOLS. Required Previous: CMPSC-1113

CMPSC-3243 Fundamentals of Cloud Computing **3 Credits**
THIS COURSE INTRODUCES LEARNERS TO THE FOUNDATIONAL CONCEPTS OF CLOUD COMPUTING, SURVEYING THE MAJOR CLOUD SERVICE PROVIDERS, KEY OFFERINGS, AND DEPLOYMENT MODELS. LEARNERS EXPLORE THE BASIC ARCHITECTURE OF CLOUD SERVICES, EXAMINING PUBLIC, PRIVATE, AND HYBRID CLOUD ENVIRONMENTS, AS WELL AS THE DIFFERENCES BETWEEN INFRASTRUCTURE AS A SERVICE (IAAS), PLATFORM AS A SERVICE (PAAS), AND SOFTWARE AS A SERVICE (SAAS) DELIVERY MODELS. LEARNERS GAIN PRACTICAL EXPERIENCE USING CLOUD PROVIDER TOOLS, CONFI Required Previous: CMPSC-1133

CMPSC-3253 Introduction to Cloud Security **3 Credits**
THIS COURSE FOCUSES ON THE ESSENTIAL INFORMATION SECURITY PRINCIPLES AND STRATEGIES FOR SECURING CLOUD INFRASTRUCTURES. LEARNERS EXPLORE THE PRIMARY DIFFERENCES BETWEEN TRADITIONAL ON-PREMISES COMPUTING ENVIRONMENTS AND TYPICAL CLOUD DEPLOYMENTS MODELS, WITH AN EMPHASIS ON RISK MANAGEMENT, COMPLIANCE, AND THE DYNAMIC CHALLENGES OF CLOUD SECURITY. TOPICS INCLUDE ASSET MANAGEMENT, DATA PROTECTION, IDENTITY AND ACCESS MANAGEMENT, AND NETWORK ACCESS. LEARNERS GAIN AN UNDERSTANDING OF HOW TO DESIGN A Required Previous: CMPSC-3243

CMPSC-3323 Internet Programming **3 Credits**
TECHNICAL ISSUES CONCERNING THE INTERNET AND PROGRAMMING ON THE INTERNET, INCLUDING HYPERTEXT DOCUMENT CREATION AND DELIVERY, CLIENT-SERVER SYSTEMS, GRAPHICS, SERVER INTERFACE PROGRAMS, AND APPROPRIATE LANGUAGES. Required Previous: CMPSC-1133

CMPSC-3543 Object Oriented Programming **3 Credits**
OBJECT ORIENTED SOFTWARE DEVELOPMENT IS STUDIED USING C++ OR OTHER MODERN OBJECT ORIENTED LANGUAGE. TOPICS COVERED INCLUDE CLASSES, INHERITANCE AND POLYMORPHISM. Required Previous or Concurrent: CPSMA-2103

CMPSC-3613 Computer Architecture **3 Credits**
ARCHITECTURE INCLUDING NUMBER SYSTEMS, CPA, ARITHMETIC, PRIMARY AND SECONDARY MEMORY. INSTRUCTION SETS AND ASSEMBLER LEVEL PROGRAMMING. EQUIVALENT TO COURSE CS3 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-1133

CMPSC-3943 Software Design & Development **3 Credits**
THE SOFTWARE DEVELOPMENT LIFE CYCLE AND CONCEPTS OF LARGE-SCALE SOFTWARE DEVELOPMENT ARE EXPLORED. SIGNIGICANT SOFTWARE PROJECT WORK WILL ALSO BE ACCOMPLISHED. THE TEAM PROGRAMMING CONCEPT IS UTILIZED. THIS COURSE IS EQUIVALENT TO COURSE CS14 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CPSMA-2103

CMPSC-4213 Data Base Design **3 Credits**
SEVERAL DATA MODELS ARE EXAMINED, WITH EMPHASIS ON RELATIONAL MODELS. DATA BASE DESIGN IS STUDIED, AND APPLICATIONS ARE IMPLEMENTED. EQUIVALENT TO COURSE CS11 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CPSMA-2103

CMPSC-4223 UNIX System Administration **3 Credits**
ADMINISTRATION OF UNIX TIMESHARING SYSTEMS, INCLUDING SPOOLING, INSTALLATION, MAINTENANCE, AND INTERCOMPUTER COMMUNICATIONS. Required Previous: CPSMA-2103

CMPSC-4273 Modeling and Simulation Using Parallel Computing **3 Credits**
METHODS, SCIENCE, ALGORITHMS AND PRACTICE OF MODELING AND SIMULATION PROCESSING USING SMALL TO LARGE SCALE PARALLEL COMPUTING. TOPICS INCLUDE: ELECTROMAGNETICS, CLIMATE/WEATHER, AIRCRAFT MODELING, DNA-RELATED BIOINFORMATICS, MEDICAL IMAGING, GAMING, ARTIFICIAL INTELLIGENCE (AI) AND NATURAL LANGUAGE PROCESSING AREAS. Required Previous: CMPSC-1113

CMPSC-4473 Theory of Programming Languages **3 Credits**
THE DESIGN AND CONSTRUCTION OF COMPILERS. THE THEORY OF PARSING, LANGUAGE THEORY, AND GENERAL PARSING METHODS ARE COVERED. CONTEXT FREE AND CONTEXT DEPENDENT LANGUAGES AND DETERMINISTIC PARSING METHODS ARE STUDIED. THIS COURSE IS EQUIVALENT TO COURSE CS15 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-3943

CMPSC-4881 Practicum in Computer Science **1 Credit**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4882 Practicum in Computer Science **2 Credits**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4883 Practicum in Computer Science **3 Credits**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4884 Practicum in Computer Science **4 Credits**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-A2213 Computer Languages-PHP **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-A3313 Advanced Computer Language- Php **3 Credits**
ADVANCED STUDY OF A PROGRAMMING LANGUAGE WHICH MAY INCLUDE TOPICS SUCH AS OBJECT-ORIENTED PROGRAMMING, CLIENT-SERVER COMMUNICATIONS, DATABASE INTERFACE, CRYPTOGRAPHY, WEB PROGRAMMING, AND OTHER LANGUAGES SPECIFIC FEATURES. THIS COURSE MAY BE REPEATED WITH DIFFERENT LANGUAGE FOR CREDIT. Required Previous: Take CMPSC-1133 and CPSMA-2103

CMPSC-B2213 Computer Languages-BASIC **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-C2213 Computer Languages-Cobol **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-F2213 Computer Languages-FORTRAN **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H1113 Honors-Computer Programming I **3 Credits**
INTRODUCTION TO THE THEORY AND TECHNIQUES OF PROGRAMMING USING HIGH-LEVEL LANGUAGES. EQUIVALENT TO COURSE CS1 OF THE ASSOCIATION FOR COMPUTINGMACHINERY RECOMMENDED CURRICULUM. Required Previous or Concurrent: MATH-1513 or departmental approval.

CMPSC-H1513 Honors-Computer Literacy **3 Credits**
A MULTIDISCIPLINARY STUDY OF CONCEPTS, TERMS, AND TRENDS IN COMPUTING, AUGMENTED WITH DATABASE, SPREADSHEET, WORD PROCESSING AND INTERNET SKILLS. THIS COURSE EQUIPS THE STUDENT TO FUNCTION IN THE INFORMATION AGE.

CMPSC-H3213 Honors-Orgztn Prgmng Lang **3 Credits**
THE SYNTAX, ORGANIZATION, AND RUN-TIME BEHAVIOR OF SEVERAL HIGH-LEVEL PROGRMMING LANGUAGES IS EXPLORED. BLOCK STRUCTURED LANGUAGES, DATA TYPES,CONTROL STRUCTURES AND DATA FLOW, AND MANAGEMENT OF STORAGE ARE EXAMINED. THIS COURSE IS EQUIVALENT TO COURSE CS8 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H3543 Honors-Objct Orien Progrmg **3 Credits**
OBJECT ORIENTED SOFTWARE DEVELOPMENT IS STUDIED USING C++ OR OTHER MODERN OBJECT ORIENTED LANGUAGE. TOPICS COVERED INCLUDE CLASSES, INHERITANCEAND POLYMORPHISM. Required Previous or Concurrent: Take CPSMA-2103

CMPSC-H3613 Honors-Computer Architecture **3 Credits**
ARCHITECTURE INCLUDING NUMBER SYSTEMS, CPU, ARITHMETIC, PRIMARY AND SECONDARY MEMORY. INSTRUCTION SETS AND ASSEMBLER LEVEL PROGRAMMING. EQUIVALENT TO COURSE CS3 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H4213 Honors-Database Design **3 Credits**
SEVERAL DATA MODELS ARE EXAMINED, WITH EMPHASIS ON RELATIONAL MODELS. DATA BASE DESIGN IS STUDIED, AND APPLICATIONS ARE IMPLEMENTED. EQUIVALENTTO COURSE CS11 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CU RRICULUM. Required Previous: Take CPSMA-2103

CMPSC-H4273 Honors-Modeling and Simulation Using Parallel Computing **3 Credits**
METHODS, SCIENCE, ALGORITHMS AND PRACTICE OF MODELING AND SIMULATION PROCESSING USING SMALL TO LARGE SCALE PARALLEL COMPUTING. TOPICS INCLUDE: ELECTROMAGNETICS, CLIMATE/WEATHER, AIRCRAFT MODELING, DNA-RELATED BIOINFORMATICS, MEDICAL IMAGING, GAMING, ARTIFICIAL INTELLIGENCE (AI) AND NATURAL LANGUAGE PROCESSING AREAS. Required Previous: CMPSC-1113

CMPSC-H4473 Honors-Theory Progrmng Languages **3 Credits**
THE DESIGN AND CONSTRUCTION OF COMPILERS. THE THEORY OF PARSING, LANGUAGE THEORY, AND GENERAL PARSING METHODS ARE COVERED. CONTEXT FREE AND CONTEXT DEPENDENT LANGUAGES AND DETERMINISTIC PARSING METHODS ARE STUDIED. THIS COURSE IS EQUIVALENT TO COURSE CS15 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-J2213 Computer Languages-Java **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-J3313 Adv Computer Lang-Java **3 Credits**
ADVANCED STUDY OF A PROGRAMMING LANGUAGE WHICH MAY INCLUDE TOPICS SUCH AS OBJECT-ORIENTED PROGRAMMING, CLIENT-SERVER COMMUNICATIONS, DATABASE INTERFACE, CRYPTOGRAPHY, WEB PROGRAMMING, AND OTHER LANGUAGES SPECIFIC FEATURES. THIS COURSE MAY BE REPEATED WITH DIFFERENT LANGUAGE FOR CREDIT. Required Previous: Take CMPSC-1133 and CPSMA-2103

CMPSC-P3313 Advanced Computer Language-Python and PERL **3 Credits**
ADVANCED STUDY OF A PROGRAMMING LANGUAGE WHICH MAY INCLUDE TOPICS SUCH AS OBJECT-ORIENTED PROGRAMMING, CLIENT-SERVER COMMUNICATIONS, DATABASE INTERFACE, CRYPTOGRAPHY, WEB PROGRAMMING, AND OTHER LANGUAGES SPECIFIC FEATURES. THIS COURSE MAY BE REPEATED WITH DIFFERENT LANGUAGE FOR CREDIT. Required Previous: Take CMPSC-1133 and CPSMA-2103

CMPSC-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-Y2213 Computer Languages-Python **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

COMMUNICATION (COMM)

COMM-1113 Fund of Human Communication **3 Credits**
OVERVIEW OF THE HUMAN COMMUNICATION PROCESS AS IT OCCURS IN THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING CONTEXTS. PRINCIPLES AND TECHNIQUES OF PREPARING FOR, PARTICIPATING IN, AND EVALUATING COMMUNICATION BEHAVIOR AT THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING LEVELS.

COMM-1632 Movement for the Stage **2 Credits**
A STUDY IN THE ORGANIC CONNECTIONS AMONG ACTION, CONCEPT, AND EMOTION TO PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT AND/OR SPATIAL THEORIES, TECHNIQUE AND QUALITIES FOR THE ACTOR.

COMM-2111 Showtime **1 Credit**
PRACTICAL APPLICATION OF MUSICAL THEATRE LITERATURE AND VOCAL TECHNIQUES THROUGH PUBLIC PERFORMANCE, SHOWCASES, OUTREACH OPPORTUNITIES, AND TOURING. MAY BE REPEATED FOR CREDIT. ENROLLMENT BY AUDITION.

COMM-2153 Interpersonl Communication Interpersonal Communication **3 Credits**
A STUDY OF THE PROCESSES AND EFFECTS OF INTERPERSONAL COMMUNICATION. PROVIDES PRACTICAL EXPERIENCES SO STUDENTS CAN EVALUATE INTERPERSONAL SUCCESSES AND FAILURES, AND IMPROVE INTERPERSONAL RELATIONSHIPS.

COMM-2253 Communication in the Workplace **3 Credits**
FUNDAMENTAL COMMUNICATION SKILLS FOR STUDENTS PLANNING TO ENTER BUSINESSAND PROFESSIONAL SETTINGS. FOCUS ON INTERPERSONAL AND GROUP COMMUNICATION, INTERVIEWING AND PUBLIC SPEAKING.

COMM-3133 Organizational Communica **3 Credits**
STUDY OF THE FUNCTIONS OF COMMUNICATION IN HUMAN ORGANIZATIONS. FOCUS ON THE JUNCTURE OF ORGANIZATIONAL AND COMMUNICATION THEORIES.

COMM-3213 Persuasion **3 Credits**
A STUDY OF FACTORS INVOLVED IN ATTITUDE CHANGE, AND THEIR APPLICATION INORAL COMMUNICATION SITUATIONS.

COMM-3223 Gender Communication **3 Credits**
A STUDY OF GENDER COMMUNICATION AND HOW PERCEIVED DIFFERENCES IN GENDER AFFECT COMMUNICATION. THE COURSE ACKNOWLEDGES CULTURAL GENDER CONSTRUCTION AND HOW IT SUPPORTS OR OBSTRUCTS THE ABILITY TO COMMUNICATE ACROSS THE GENDER CONTINUUM. STUDENTS WILL LEARN TO ANALYZE THE POWER STRUCTURES THAT CONSTITUTE GENDER DIFFERENCES IN COMMUNICATION.

COMM-3243 Presentational Communicatn **3 Credits**
STUDY OF TEAM AND INDIVIDUAL ORAL PRESENTATIONS. PRACTICE IN BOTH GROUPPRESENTATION AND PUBLIC ADDRESS.

COMM-3321 Musical Theatre Voice **1 Credit**
ADVANCED VOCAL TECHNIQUES FOR MUSICAL THEATRE INCLUDING MIXING AND BELTING. EMPHASIS ON THE STUDY OF ADVANCED MUSICAL THEATRE REPERTOIRE APPROPRIATE TO THE STUDENT'S VOCAL RANGE. MAY BE TAKEN THREE TIMES FOR CREDIT. Required Previous: Voice 4 Semesters

COMM-3463 Audition for Theatre **3 Credits**
THEATRE AUDITION TECHNIQUES. Required Previous: COMM-1413 and departmental approval

COMM-3613 Group Dynamics **3 Credits**
A STUDY OF THE COMMUNICATION DYNAMICS OF GROUPS. THE COURSE INCLUDES STUDY OF ROLES AND RELATIONSHIPS, COHESION, CONFLICT AND POWER, LEADERSHIP, DECISION MAKING AND PROBLEM-SOLVING, GROUP CLIMATE, RESOURCE ALLOCATION, AND GROUP EVALUATION.

COMM-4013 Crisis Communication **3 Credits**
CRISIS COMMUNICATION INVOLVES DISCUSSING/RESEARCHING MAJOR CONCEPTS RELEVANT TO UNDERSTANDING ORGANIZATIONAL CRISES AND DISASTERS, INCLUDING CULTURE, AND SOCIAL MEDIA/TECHNOLOGY. STUDENTS WILL PARTICIPATE IN CRISIS/DISASTER SIMULATED CRISIS SCENARIOS.

COMM-4183 Theories of Human Communic **3 Credits**
SURVEY OF THEORIES DESIGNED TO EXPLAIN HOW HUMANS INTERACT. INCLUDES VERBAL, NONVERBAL, INTERPERSONAL, GROUP, ORGANIZATIONAL, POLITICAL, INTERCULTURAL, AND MASS COMMUNICATION. Required Previous: COMM-1113

COMM-4423 Intercultural Communicatn **3 Credits**
AN OVERVIEW OF THE STUDY OF CULTURES AND THEIR EFFECT ON COMMUNICATION.THE FOCUS OF STUDY IS TO PROVIDE STUDENTS WITH A FAMILIARITY WITH A VARIETY OF CULTURES AND HOW LANGUAGE (BOTH VERBAL AND NONVERBAL) INFLUENCE HOW WE RESPOND TO OTHER PEOPLE. THROUGH THE STUDY, STUDENTS BECOME MORE AWARE OF OTHER CULTURES' SIMILARITIES AND DIFFERENCES, INCREASE THEIR KNOWLEDGE OF ETHNICAL ISSUES AND HOW THEY IMPINGE ON OUR CULTURE, AND FIND MEANS OF COMMUNICATING BETTER WITH PEOPLE FROM OTHER CULTURAL AND ETH

COMM-4473 Children's Theatre **3 Credits**
APPROACHES TO CREATIVE PLAY-MAKING FOR AND WITH CHILDREN. DRAMATIZATIONOF CHILDREN'S LITERATURE, PLAY SELECTION AND PRODUCTION TECHNIQUES FOR CHILDREN'S THEATRE PERFORMANCES AND INVOLVEMENT DRAMAS. MATERIALS, TECHNIQUES, AND PROCEDURES FOR CONDUCTING SESSIONS IN CREATIVE DRAMATICS.

COMM-4521 Senior Project in Dance **1 Credit**
DEPARTMENT APPROVAL (ECU SENIOR PROJECT): A STUDY IN STUDENT DIRECTED REPERTORY FOR THE PRESENTATION AND MANAGEMENT OF NEW CHOREOGRAPHIC WORKS, THROUGH AUDITIONS, REHEARSALS, PRODUCTIONS, AND PERFORMANCES IN UNIVERSITY SETTINGS.

COMM-4922 Methods of Tchg Spch and Debate **2 Credits**
A STUDY OF THE METHODS OF TEACHING SPEECH AND DEBATE IN THE SECONDARY SCHOOLS, INCLUDING SUCH TOPICS AS LESSON-PLANNING, PHILOSOPHIES, BOOK SELECTION, DISCIPLINE, DIRECTING EXTRA-CURRICULAR ACTIVITIES (DEBATE TEAM, FORENSICS COMPETITIONS), AND INSTRUCTIONAL STRATEGIES. Required Previous: 15 hours of COMM courses.

COMM-4942 Methods of Teaching Theatre **2 Credits**
A STUDY OF THE METHODS OF TEACHING SPEECH AND DEBATE IN THE SECONDARY SCHOOLS, INCLUDING SUCH TOPICS AS LESSON-PLANNING, PHILOSOPHIES, BOOK SELECTION, DISCIPLINE, DIRECTING EXTRA-CURRICULAR ACTIVITIES (PLAY DIRECTING, ONE-ACT COMPETITION), AND INSTRUCTIONAL STRATEGIES. Required Previous: 15 hours of COMM courses.

COMM-4954 Methods of Teaching Speech/Drama/Debate **4 Credits**
A STUDY OF THE METHODS OF TEACHING SPEECH IN THE SECONDARY SCHOOLS, INCLUDING SUCH TOPICS AS LESSON-PLANNING, PHILOSOPHIES, BOOK SELECTION, DISCIPLINE, DIRECTING EXTRA-CURRICULAR ACTIVITIES, AND INSTRUCTIONAL STRATEGIES. Required Previous: 15 hours of COMM courses.

COMM-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-C3311 Mus Theatre Ensemble-Contemp **1 Credit**
STUDY OF SCENES AND SONGS FROM MAJOR CLASSICAL MUSICALS CULMINATING IN A PREPARED PUBLIC PERFORMANCE. EMPHASIS ON EXPLORING PRACTICAL TECHNIQUES OF INTERPRETATION AND EXPRESSION IN ORDER TO INTEGRATE SINGING AND ACTING SKILLS INTO THE VOCAL, PHYSICAL, AND MENTAL ASPECTS OF PERFORMING. MAY BE REPEATED FOR CREDIT. Required Previous: COMM-1413

COMM-H1113 Honors-Fund of Hum Communication **3 Credits**
OVERVIEW OF THE HUMAN COMMUNICATION PROCESS AS IT OCCURS IN THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING CONTEXTS. PRINCIPLES AND TECHNIQUES OF PREPARING FOR, PARTICIPATING IN, AND EVALUATING COMMUNICATION BEHAVIOR AT THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING LEVELS.

COMM-H2133 Honors-Interviewing **3 Credits**
THEORY AND PRACTICE IN INFORMATIVE, PERSUASIVE, AND COUNSELING INTERVIEWING.

COMM-H2153 Honors-Interprsl Communica **3 Credits**
A STUDY OF THE PROCESSES AND EFFECTS OF INTERPERSONAL COMMUNICATION. PROVIDES PRACTICAL EXPERIENCES SO STUDENTS CAN EVALUATE INTERPERSONAL SUCCESSES AND FAILURES, AND IMPROVE INTERPERSONAL RELATIONSHIPS.

COMM-H2233 Honors-Argumntatn & Debate **3 Credits**
STUDY OF REASONED DISCOURSE AS PRACTICED IN DEBATE. INCLUDES RESEARCH, CASE BUILDING, PRESENTATION, REFUTATION, AND DEFENSE IN INDIVIDUAL AND TEAM DEBATE FORMATS. Required Previous: COMM-1113 or COMM-2253

COMM-H2253 Honors-Comm in the Workplace **3 Credits**
FUNDAMENTAL COMMUNICATION SKILLS FOR STUDENTS PLANNING TO ENTER BUSINESSAND PROFESSIONAL SETTINGS. FOCUS ON INTERPERSONAL AND GROUP COMMUNICATION, INTERVIEWING AND PUBLIC SPEAKING.

COMM-H2313 Honors-Listening **3 Credits**
A STUDY OF THE PROCESS OF LISTENING. THE COURSE INVOLVES THE THEORY ANDPRACTICE OF LISTENING, STRESSING THE PURPOSES FOR LISTENING. STUDENTSARE INVOLVED IN PRACTICAL EXPERIENCES SO THEY CAN EVALUATE THEIR OWN SUCCESSES AND FAILURES, AND WORK TO IMPROVE THEIR LISTENING SKILLS UNDERSUPERVISION.

COMM-H3133 Honors-Organizational Comm **3 Credits**
STUDY OF THE FUNCTIONS OF COMMUNICATON IN HUMAN ORGANIZATIONS. FOCUS ONTHE JUNCTURE OF ORGANIZATIONAL AND COMMUNICATION THEORIES.

COMM-H3213 Honors-Persuasion **3 Credits**
A STUDY OF FACTORS INVOLVED IN ATTITUDE CHANGE, AND THEIR APPLICATION INORAL COMMUNICATION SITUATIONS.

COMM-H3243 Honors-Presentatl Communic **3 Credits**
STUDY OF TEAM AND INDIVIDUAL ORAL PRESENTATIONS. PRACTICE IN BOTH GROUPPRESENTATION AND PUBLIC ADDRESS.

COMM-H3613 Honors-Group Dynamics **3 Credits**
A STUDY OF THE COMMUNICATION DYNAMICS OF GROUPS. THE COURSE INCLUDES STUDY OF ROLES AND RELATIONSHIPS, COHESION, CONFLICT AND POWER, LEADERSHIP, DECISION MAKING AND PROBLEM-SOLVING, GROUP CLIMATE, RESOURCE ALLOCATION, AND GROUP EVALUATION.

COMM-H4423 Honors-Intercultural Comm **3 Credits**
AN OVERVIEW OF THE STUDY OF CULTURES AND THEIR EFFECT ON COMMUNICATION.THE FOCUS OF STUDY IS TO PROVIDE STUDENTS WITH A FAMILIARITY WITH A VARIETY OF CULTURES AND HOW LANGUAGE (BOTH VERBAL AND NONVERBAL) INFLUENCE HOW WE RESPOND TO OTHER PEOPLE. THROUGH THE STUDY, STUDENTS BECOME MORE AWARE OF OTHER CULTURES' SIMILARITIES AND DIFFERENCES, INCREASE THEIR KNOWLEDGE OF ETHNICAL ISSUES AND HOW THEY IMPINGE ON OUR CULTURE, AND FIND MEANS OF COMMUNICATING BETTER WITH PEOPLE FROM OTHER CULTURAL AND ETH

COMM-N2616 Theo&tech Dnc Ii-Ballet II **6 Credits**
Required Previous: COMM-1612

COMM-S3311 Mus Theatre Ensemble-Standards **1 Credit**
STUDY OF SCENES AND SONGS FROM MAJOR CLASSICAL MUSICALS CULMINATING IN A PREPARED PUBLIC PERFORMANCE. EMPHASIS ON EXPLORING PRACTICAL TECHNIQUES OF INTERPRETATION AND EXPRESSION IN ORDER TO INTEGRATE SINGING AND ACTING SKILLS INTO THE VOCAL, PHYSICAL, AND MENTAL ASPECTS OF PERFORMING. MAY BE REPEATED FOR CREDIT. Required Previous: COMM-1413

COMM-S4981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COUNSELING (COUNS)

COUNS-2103 Interviewing Techniques **3 Credits**
THIS COURSE IS DESIGNED TO AID THE STUDENT IN DEVELOPING BASIC COMMUNICATION INTERVIEWING SKILLS USED IN THE VARIOUS HUMAN SERVICE FIELDS. THE COURSE WILL FAMILIARIZE THE STUDENT WITH COMMUNICATION THEORY AS WELL AS THE STAGES, PLANNING, AND STYLES OF INTERVIEWING.

COUNS-2183 Fundamentals of Counseling **3 Credits**
THIS COURSE PROVIDES A PHILOSOPHICAL ORIENTATION TO THE COUNSELING FUNCTION, AND THE COUNSELING MODEL OF COMMUNITY SERVICES, AND EXPLORES THE VARIOUS THEORETICAL APPROACHES TO THE PROVISION OF THESE SERVICES.

COUNS-2213 Introduction to Rehabilitation Counseling **3 Credits**
A STUDY OF REHABILITATION CONCEPTS, PROCESS, PHILOSOPHY, AND ITS LEGISLATIVE-HISTORICAL PROGRESSION. EMPHASIS WILL BE PLACED ON THE ROLE AND FUNCTION OF THE COUNSELOR AND THE METHODS AND TECHNIQUES UTILIZED IN THE REHABILITATION PROCESS.

COUNS-3073 Introduction to Prevention Science **3 Credits**
THIS COURSE PROVIDES AN OVERVIEW OF THEORY, RESEARCH, AND PRACTICE IN PREVENTION SCIENCE AND HEALTH PROMOTION, INCLUDING FOUNDATIONAL CONCEPTS, INTERVENTION, METHODOLOGY, AND APPLICATION AND IMPLEMENTATION OF EFFECTIVE APPROACHES. EMPHASIS IS GIVEN TO THE STRATEGIC PREVENTION FRAMEWORK AND SUBSTANCE ISSUES.

COUNS-3103 Psychological-Social Aspects of Deafness **3 Credits**
CONSIDERS EFFECTS OF PRELINGUAL AND POSTLINGUAL DEAFNESS OR HEARING IMPAIRMENT ON THE PSYCHOLOGICAL AND EMOTIONAL DEVELOPMENT AND ADAPTATION OF THE INDIVIDUAL TO DEAFNESS. PRESENTS A STUDY OF COGNITIVE AND LINGUISTIC DEVELOPMENT, PERSONALITY, INTERPERSONAL BEHAVIOR, SOCIAL REACTIONS, PERSONAL ADJUSTMENT, AND DEAF CULTURE. ALSO INCLUDES AN INTRODUCTION TO COUNSELING WITH DEAF PEOPLE.

COUNS-3133 Introduction to Audiology **3 Credits**
A STUDY OF THE ANATOMY OF THE EAR, TYPES AND CAUSES OF HEARING LOSS, HEARING TESTING, AND REMEDIATION TECHNIQUES OF PERSONS WITH HEARING IMPAIRMENTS. THE COURSE ALSO INCLUDES AN INTRODUCTION TO HEARING AIDS, THEIR FUNCTION, AND LIMITATIONS.

COUNS-3183 Case Management Practice **3 Credits**
A STUDY AND PRACTICE OF CASE MANAGEMENT AND KNOWLEDGE AND SKILLS FOR EFFECTIVE CASE MANAGEMENT. AREAS OF EMPHASIS WILL INCLUDE: IDENTIFICATION AND ASSESSMENT OF CLIENT SITUATIONS, USE OF FORMAL AND INFORMAL ASSESSMENT TECHNIQUES, CASE RECORDING SKILLS, AND DEVELOPMENT OF INDIVIDUALIZED ASSESSMENTS AND CASE PLANS. Required Previous or Concurrent: COUNS-2103 or Departmental Approval

COUNS-3203 Vocational Testing and Evaluation **3 Credits**
A STUDY OF THE VOCATIONAL TESTING AND EVALUATION PRINCIPLES AND PROCEDURES USED IN VARIOUS HELPING SERVICES. INSTRUCTION AND PRACTICE IN THE ADMINISTRATION, SCORING, AND INTERPRETATION OF INSTRUMENTS USED IN THE ASSESSMENT OF INTELLIGENCE, APTITUDE, INTEREST, AND PERSONALITY.

COUNS-3213 Employment and Placement Techniques **3 Credits**
A COURSE DESIGNED TO ASSIST THE STUDENT IN LEARNING THE METHODS AND PROCEDURES OF PLACING INDIVIDUALS IN PRODUCTIVE EMPLOYMENT. TOPICS INCLUDE: THEORIES OF VOCATIONAL DEVELOPMENT, OCCUPATIONAL CLASSIFICATION, JOB SATISFACTION, JOB SEEKING SKILLS, JOB PERFORMANCE, AND JOB ANALYSIS.

COUNS-3283 Addictions and Society **3 Credits**
A STUDY OF THE RELATIONSHIP BETWEEN ADDICTIVE BEHAVIOR AND ITS IMPACT ON INDIVIDUALS, FAMILIES, AND SOCIETY, AS WELL AS THE PRESENCE OF CO-OCCURRING/CO-EXISTING DIAGNOSIS. VARIOUS ASSESSMENT INSTRUMENTS WILL ALSO BE EXPLAINED. PHARMACOLOGY, PSYCHOLOGICAL, AND SOCIOLOGICAL ASPECTS OF ADDICTIONS WILL BE DISCUSSED.

COUNS-3383 Introduction to Addictions **3 Credits**
A STUDY OF THE VARIOUS ADDICTIONS IN SOCIETY, INCLUDING ALCOHOL, CHEMICAL DEPENDENCY, GAMBLING AND CO-OCCURRING ABUSE. EMPHASIS WILL BE PLACED ON THE VARIOUS TECHNIQUES AND PHILOSOPHIES UTILIZED IN ADDICTION COUNSELING AND SERVICE DELIVERY. ETHICS, BEST PRACTICES, AS WELL AS VARIOUS PROGRAMS AND SETTINGS WILL BE DISCUSSED.

COUNS-3763 Group Processes and Practice **3 Credits**
A STUDY OF THE NATURE AND PURPOSE OF VARIOUS TYPES OF GROUPS, TECHNIQUES OF GROUP FACILITATION AND DIRECTION, AND THE ROLES OF PARTICIPANT AND LEADER IN VARIOUS PRACTICE SETTINGS. INCLUDES EXPERIENTIAL COMPONENT DESIGNED TO EXPOSE STUDENTS TO GROUP PROCESS. Required Previous: COUNS-2103

COUNS-3763L Group Processes and Practice Lab **0 Credits**
LAB COURSE FOR HURES-3763.

COUNS-3813 Family Systems, Codependency and Addictions **3 Credits**
A STUDY OF THE FAMILY AS A BASIC SOCIAL UNIT AND THE EFFECT THAT ADDICTIONS, INCLUDING ALCOHOL, CHEMICAL, GAMBLING, AND OTHERS, HAS ON THE FAMILY SYSTEM. FAMILY INTERVENTION AND TREATMENT MODALITIES WILL BE EXPLORED.

COUNS-4443 Counseling Services **3 Credits**
THIS COURSE IS THE APPLICATION OF COUNSELING KNOWLEDGE AND TECHNIQUES TO VARIOUS CLIENT GROUPS AND SPECIALIZED SETTINGS. Required Previous: COUNS-2183

COUNS-4453 Intervention Techniques **3 Credits**
THIS COURSE PROVIDES THE KNOWLEDGE OF CRISIS INTERVENTION AS A TREATMENT MODALITY INCLUDING ITS HISTORY, THEORETICAL BASE, AND APPLICATION OF TECHNIQUES IN CRISIS SITUATIONS. Required Previous: COUNS-2183

COUNS-4946 Internship **6 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

COUNS-4981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

COUNS-5043 Clinical Supervision and Administration **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO CONCEPTUAL AND PROFESSIONAL SKILLS IN CLINICAL SUPERVISION AND ADMINISTRATION. STUDENTS WILL LEARN VARIOUS CLINICAL SUPERVISION MODELS, TECHNIQUES, PROCESSES, AND ETHICAL AND LEGAL ISSUES. DIFFERENCES BETWEEN ADMINISTRATIVE AND CLINICAL SUPERVISION WILL BE EXPLORED. EMPHASIS WILL BE PLACED ON THE SUPERVISORY RELATIONSHIP.

COUNS-5103 Counseling Research **3 Credits**
DEVELOPMENT OF SKILLS IN READING, INTERPRETING, USING RESEARCH. EVALUATION OF RESEARCH FOR PRACTICE APPLICATION WILL BE REQUIRED TO PREPARE A RESEARCH PROPOSAL CONSISTENT WITH CURRENT SOCIAL SCIENCE RESEARCH METHODOLOGY TO INCLUDE A RESEARCH QUESTION OR HYPOTHESIS.

COUNS-5123 Grant Proposal Writing **3 Credits**
DEVELOPMENT OF SKILLS REQUIRED TO WRITE AND MANAGE GRANTS FOR HUMAN SERVICES AND RELATED ORGANIZATIONS. THE STUDENT WILL LEARN TO DEVELOP GRANT IDEAS, COMPLETE NARRATIVE INFORMATION, SUBMIT REQUIRED FORMS, AND DEVELOP BUDGETS NECESSARY TO COMPETE FOR FUNDING THROUGH A VARIETY OF FEDERAL, STATE AND PRIVATE ORGANIZATIONS. Required Previous: HURES-5103

COUNS-5133 Human Sexuality Counseling **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE CLINICAL, SCIENTIFIC, AND PHILOSOPHICAL STUDY OF HUMAN SEXUALITY. IT EXAMINES SEXUALITY IN THE CONTEXT OF CURRENT RESEARCH, CULTURE, AND OPPOSING PERSPECTIVES WITH THE GOAL OF FOSTERING HEALTHY ATTITUDES TOWARD SEXUALITY. IT IS INTENDED PRIMARILY FOR HELPING PROFESSIONALS WHO WORK WITH CLIENTS OR PLAN TO IN THE FUTURE. VARIOUS DEFINITIONS, EXPERIENCES, AND EXPRESSIONS OF SEXUALITY WILL BE EXPLORED AND DEBATED TO ASSIST STUDENTS IN DEVELOPING INDIVIDUAL PERSP

COUNS-5163 Appraisal and Assessment of Individuals, Groups, and Families **3 Credits**
THIS COURSE WILL PROVIDE STUDENTS WITH PRACTICAL KNOWLEDGE ON THE SELECTION, ADMINISTRATION, SCORING AND INTERPRETATION OF ASSESSMENTS USED IN CLINICAL MENTAL HEALTH COUNSELING. STUDENTS WILL ALSO BECOME FAMILIAR WITH THE ASSESSMENT PROCESS INCLUDING BASIC STATISTICAL CONCEPTS.

COUNS-5183 Addictions Theory **3 Credits**
THIS COURSE IS AN EXPLORATION OF THE HISTORICAL AND CONTEMPORARY SUBSTANCE ABUSE COUNSELING THEORIES. IN-DEPTH ATTENTION WILL BE GIVEN TO THE FOLLOWING MODELS: STRENGTHS PERSPECTIVE, MOTIVATIONAL INTERVIEWING, HARM REDUCTION, AND STAGE-OF-CHANGE. ETHICS AND BEST PRACTICES WILL BE DISCUSSED. A CONSUMER-CENTERED APPROACH IS TAKEN IN THE CLASS.

COUNS-5203 Child and Adolescent Counseling **3 Credits**
THE HISTORY AND DEFINITION OF PLAY THERAPY WILL BE PRESENTED AND DISCUSSED. THEORETICAL FOUNDATIONS WILL BE PRESENTED AND DISCUSSED IN DEPTH AS WELL AS THE APPLICATION OF EACH. THE FOLLOWING PLAY THERAPY TECHNIQUES WILL BE DEFINED AND PRESENTED IN CLASS: ART THERAPY, SANDTRAY PLAY, MUTUAL STORYTELLING, PUPPETRY, BOARD GAMES, ROLE PLAY, & BIBLIOTHERAPY. STUDENTS WILL PARTICIPATE IN HANDS ON PLAY THERAPY ACTIVITIES. DISCUSSION OF APPLICATIONS WITH SPECIAL POPULATIONS WILL ALSO BE INCLUDED

COUNS-5213 Diagnosis of Psychiatric & Co-Occurring Disorders **3 Credits**
THE COURSE IS DESIGNED TO PROVIDE INFORMATION CONCERNING MAJOR CATEGORIES OF PSYCHIATRIC IMPAIRMENT. AN OVERVIEW OF PSYCHIATRIC IMPAIRMENTS, DIAGNOSTIC CATEGORIES, AND CO-OCCURRING DISORDERS WILL BE PRESENTED. IMPLICATIONS FOR TREATMENT, WORK, AND INDEPENDENCE WILL BE COMMUNICATED THROUGH THE USE OF CASE STUDIES. STUDENTS WILL LEARN THE APPLICATION AND USE OF THE DSM FOR DIAGNOSIS AND TREATMENT.

COUNS-5243 Foundations of Clinical Mental Health Counseling **3 Credits**
THIS COURSE FOCUSES ON DEVELOPMENT OF SKILLS AND KNOWLEDGE RELATED TO MENTAL HEALTH COUNSELING. EMPHASIS IS PLACED ON THE ROLE AND FUNCTION OF THE COUNSELOR AND THE METHODS AND TECHNIQUES UTILIZED IN THE FIELD OF CLINICAL MENTAL HEALTH COUNSELING. MENTAL HEALTH LEGISLATION, HISTORY, PHILOSOPHY, AND TRENDS IN MENTAL HEALTH COUNSELING ARE PRESENTED. PROFESSIONAL IDENTITY, PROFESSIONAL ORGANIZATIONS, STANDARDS, RELEVANT CREDENTIALS, AND THE IMPORTANCE OF PROFESSIONAL RELATIONSHIPS RELATED TO THE FI

COUNS-5253 Legal & Ethical Aspects of Counseling **3 Credits**
A COURSE DESIGNED TO ASSIST THE STUDENTS IN LEARNING THE METHODS AND PROCEDURES OF DATA MANAGEMENT, CASE COORDINATION, AND WRITING OF INDIVIDUAL CLIENT PROGRAMS. LEGAL AND ETHICAL PRACTICE REQUIREMENTS WILL BE INTEGRATED WITH EACH TOPIC PRESENTED IN THE CLASS. ETHICAL DECISION MAKING MODELS WILL BE PRESENTED.

COUNS-5283 Psychopharmacology and Substance Abuse **3 Credits**
THIS COURSE IS AN INTRODUCTION TO PSYCHOACTIVE DRUGS AND THEIR MECHANISMS OF ACTION, EFFECT ON THE HUMAN BODY, COMMON ABUSE, AND CLINICAL USE. SPECIFIC AREAS COVERED INCLUDE THE PHYSICAL, COGNITIVE, EMOTIONAL, AND BEHAVIORAL EFFECTS OF PSYCHOACTIVE DRUGS.

COUNS-5303 Program Evaluation **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO PROGRAM EVALUATION FOR THE HUMAN SERVICE ADMINISTRATOR. BASIC TECHNIQUES NEEDED FOR DETERMINING THE EFFECTIVENESS AND EFFICIENCY OF VARIOUS HUMAN SERVICE PROGRAMS WILL BE COVERED, INCLUDING: NEEDS ASSESSMENT, PROGRAM OUTCOMES AND MANAGEMENT INFORMATION, COST-EFFECTIVENESS ANALYSIS, AND EVALUATION OF INDIRECT SERVICES.

COUNS-5323 Clinical Assessment **3 Credits**
THIS COURSE WILL EXPAND ON THE KNOWLEDGE GAINED IN COUNS 5163 - APPRAISAL AND ASSESSMENT OF INDIVIDUALS, GROUPS, AND FAMILIES. STUDENTS WILL GAIN PRACTICAL KNOWLEDGE IN THE ADMINISTRATION, SCORING, AND REPORT WRITING SKILLS FOR CLINICAL ASSESSMENTS. INSTRUMENTS COVERED WILL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: ANXIETY, BEHAVIOR, DEPRESSION, INTELLIGENCE, POST-TRAUMATIC STRESS, AND RESILIENCY. Required Previous: Take HURES-5163

COUNS-5363 Theories of Marriage and Family Counseling **3 Credits**
A SURVEY OF THE MAJOR THEORIES, METHODS, AND TECHNIQUES OF MARRIAGE AND FAMILY COUNSELING WITH AN EMPHASIS ON LEGAL AND ETHICAL ISSUES. COUNSELING CONCERNS OF MULTI-CULTURAL FAMILIES AND PERSONS WITH DISABILITIES WILL ALSO BE ADDRESSED.

COUNS-5493 Counseling Skills **3 Credits**
THIS COURSE INTRODUCES AND PROVIDES FOUNDATIONAL EDUCATION IN CORE COUNSELING SKILLS ACROSS VARIOUS THEORETICAL ORIENTATIONS. SKILLS LEARNED INCLUDE THERAPEUTIC LISTENING AND EMPATHY, CLIENT CONCERN CONCEPTUALIZATION, CRISIS MANAGEMENT, AND REACHING ACROSS CULTURAL DIVIDES. STUDENTS WILL ALSO HAVE OPPORTUNITIES TO LEARN AND APPLY PEER-EVALUATION, SELF-EVALUATION, CRISIS MANAGEMENT, AND SELF-CARE SKILLS. STUDENTS WILL DISCUSS THEORETICAL CONCEPTS, AS WELL AS ETHICAL AND CULTURAL CHALLENGES ARISIN

COUNS-5533 Crisis and Trauma Counseling **3 Credits**
THIS COURSE WILL APPLY THEORY AND BEST PRACTICES TO CRISIS AND TRAUMA COUNSELING, HOW TO ASSIST INDIVIDUALS WHO HAVE EXPERIENCED CRISIS AND TRAUMA SUCH AS NATURAL DISASTERS, VIOLENCE, TERRORISM, OR WAR. PARTICIPANTS WILL EXAMINE MODELS OF CRISIS INTERVENTION, COUNSELING PROTOCOLS, AND RESILIENCY ENHANCEMENT AS WELL AS HOW TO BECOME A COUNSELING LEADER WHEN RESPONDING TO CRISIS.

COUNS-5553 Practicum in Clinical Mental Health Counseling **3 Credits**
SUPERVISED INDIVIDUAL OR GROUP COUNSELING AND COMMUNITY DEVELOPMENT FIELD EXPERIENCES THROUGH PLACEMENT IN AN APPROPRIATE HUMAN SERVICE SETTING, AND/OR SUPERVISED COUNSELING AND GUIDANCE ACTIVITIES IN A LABORATORY SETTING. MAXIMUM NUMBER OF ALLOWABLE HOURS IS DETERMINED BY PROGRAM OPTION CURRICULUM.

COUNS-5603 Human Growth & Development **3 Credits**
THE COURSE WILL FOCUS ON THEORY OF GROWTH AND DEVELOPMENT AS IT APPLIES TO SOCIAL AND CULTURAL GROUPS. FACTORS SUCH AS LIFE-STYLE ADAPTATION, AND LIFE TRANSITIONS WILL BE EXPLORED. THE RELATIONSHIP BETWEEN DEVELOPMENT AND THE COUNSELING RELATIONSHIP WILL BE EMPHASIZED.

COUNS-5613 Counseling Theories **3 Credits**
THIS COURSE IS AN EXPLORATION OF THE HISTORICAL AND CONTEMPORARY COUNSELING THEORIES. IN-DEPTH ATTENTION WILL BE GIVEN TO THOSE THEORIES MOST APPLICABLE TO THE WORK OF THE HUMAN RESOURCES COUNSELOR.

COUNS-5623 Counseling Intervention **3 Credits**
THIS COURSE FOCUSES ON THE DEVELOPMENT, PLANNING, AND IMPLEMENTATION OF APPROPRIATE COUNSELING TECHNIQUES AND INTERVENTIONS. STUDENTS WILL INTEGRATE THEIR KNOWLEDGE OF COUNSELING THEORIES AND DIAGNOSIS TO HELP DETERMINE APPROPRIATE COUNSELING INTERVENTIONS FOR A WIDE VARIETY OF PRESENTING PROBLEMS. Required Previous: COUNS-5213 and COUNS-5613

COUNS-5633 Career Counseling & Theories **3 Credits**
THE PURPOSE OF THIS COURSE IS TO PROVIDE STUDENTS WITH AN UNDERSTANDING OF CAREER THEORIES AND THE ROLE OF THE CAREER COUNSELOR. THE COURSE IS DESIGNED TO EXAMINE THEORIES OF CAREER DEVELOPMENT AND DECISION MAKING, SOURCES OF OCCUPATIONAL INFORMATION AND METHODS OF CAREER COUNSELING, ASSESSMENT AND PROGRAM PLANNING. BOTH THEORY AND THE PRACTICAL APPLICATION OF CAREER COUNSELING WILL BE EXPLORED THROUGH LECTURES, CLASS DISCUSSIONS, READINGS, WRITINGS AND PROJECTS. STUDENTS WILL HAVE THE OPPORTUNI

COUNS-5673 Counseling the Culturally Diverse **3 Credits**
THIS COURSE WILL EXAMINE MULTICULTURAL AND DIVERSE CHARACTERISTICS THAT SHAPE CLIENT AND COUNSELOR IDENTITIES. PARTICIPANTS WILL ACTIVELY PARTICIPATE IN RESEARCH, THEORIES, AND MODELS OF WORKING WITH DIVERSE POPULATIONS. CONTENT WILL COVER MULTICULTURAL COUNSELING COMPETENCIES, HELP-SEEKING BEHAVIORS OF DIVERSE CLIENTS, AND STRATEGIES FOR IDENTIFYING, ELIMINATING, AND ADVOCATING FOR THE REMOVAL OF INTENTIONAL AND UNINTENTIONAL BARRIERS FOR THE CULTURALLY DIVERSE.

COUNS-5713 Group Counseling Theory and Practice **3 Credits**
THEORETICAL FOUNDATIONS OF GROUP COUNSELING AND GROUP WORK ARE EXAMINED. GROUP DYNAMICS AND THERAPEUTIC FACTORS OF GROUP COUNSELING ARE ALSO STUDIED. STUDENTS WILL LEARN EFFECTIVE GROUP LEADERSHIP SKILLS. RELEVANT STRATEGIES FOR PROVIDING GROUP SERVICES TO CULTURALLY AND ETHNICALLY DIVERSE INDIVIDUALS, IN ADDITION TO INDIVIDUALS WITH DISABILITIES, WILL ALSO BE EXPLORED. PARTICIPATION IN A TEN CLOCK HOUR SMALL GROUP DIRECT EXPERIENCE IS REQUIRED. Required Previous: HURES-5613

COUNS-5763 Integrated Behavioral Health **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE FUNDAMENTALS AND PRACTICAL APPLICATIONS OF INTEGRATED BEHAVIORAL HEALTH. THIS COURSE EXPLORES MODELS OF COLLABORATION, MEDICAL SPECIALIZATIONS, HEALTHCARE TERMINOLOGY, BEHAVIORAL HEALTH ASSESSMENTS, AND TREATMENT DOCUMENTATION IN INTEGRATED BEHAVIORAL HEALTH SETTINGS.

COUNS-5773 Counseling Technology and Telehealth **3 Credits**
THIS COURSE WILL INTRODUCE PARTICIPANTS TO THE USE OF TECHNOLOGY IN COUNSELING. STUDENTS WILL EXPLORE HIPPA COMPLIANT TECHNOLOGY AS WELL AS BECOME FAMILIAR WITH THE LEGAL AND ETHICAL STANDARDS INVOLVED IN COUNSELING USING TELEHEALTH.

COUNS-5943 Internship in Clinical Rehabilitation And Clinical Mental Health Counseling **3 Credits**
STUDENTS WILL SPEND A MINIMUM OF 600 CLOCK HOURS PROVIDING COUNSELING SERVICES IN A REHABILITATION AGENCY AND/OR CLINICAL MENTAL HEALTH SETTING UNDER THE SUPERVISION OF A CERTIFIED REHABILITATION COUNSELOR AND LICENSED PROFESSIONAL COUNSELOR. STUDENTS WILL ACQUIRE EXPERIENCE IN REHABILITATION, VOCATIONAL, AND MENTAL HEALTH COUNSELING, ASSESSMENT OF MENTAL HEALTH AND FUNCTIONAL CAPACITY, REHABILITATION AND MENTAL HEALTH TREATMENT PLANNING, JOB DEVELOPMENT, JOB PLACEMENT, AND OTHER SIGNIFICANT ACT Required Previous: COUNS-5103

COUNS-R5553 Practicum in Clinical Rehabilitation and Clinical Mental Health Counseling **3 Credits**
SUPERVISED INDIVIDUAL AND/OR GROUP REHABILITATION AND CLINICAL MENTAL HEALTH COUNSELING FIELD EXPERIENCES THROUGH PLACEMENT IN AN APPROPRIATE REHABILITATION AND/OR CLINICAL MENTAL HEALTH COUNSELING SETTING (MAY INCLUDE STATE AGENCIES, SHELTER WORKSHOPS, EVALUATION CENTERS, GROUP HOMES, INDEPENDENT LIVING CENTERS, PRIVATE COUNSELING AGENCIES, ETC.) AND/OR SUPERVISED COUNSELING AND GUIDANCE ACTIVITIES IN AN LABORATORY SETTING.

COMPUTER SCIENCE MATHEMATICS (CPSMA)

CPSMA-2103 Data Structures **3 Credits**
BASIC CONCEPTS OF DATA STRUCTURES, STACKS, QUEUES, TREES, TABLES, HASHING, LISTS, STRINGS, ARRAYS, FILES, AND APPLICATIONS TO VARIOUS AREAS OF COMPUTER SCIENCE. Required Previous: Take CMPSC-1133

CPSMA-3103 Algorithm Analysis **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO THE ANALYSIS OF ALGORITHMS. TOPICS INCLUDE: COMMON ALGORITHMS USED IN PROGRAMMING, SORTING, SEARCHING, GRAPH TRAVERSAL, HASHING, DIVIDE-AND-CONQUER, DYNAMIC PROGRAMMING, GREEDY ALGORITHMS, ALGORITHMIC COMPLEXITY (WORST/AVERAGE/BEST CASE ANALYSIS FOR TIME/SPACE), NP COMPLEXITY, AND NP-COMPLETE PROBLEMS. Required Previous: Take MATH-2825 or MATH-2613

CPSMA-3813 Data Mining **3 Credits**
INTRODUCTION IN KNOWLEDGE DISCOVERY AND DATA MINING, INCLUDING BASIC CONCEPTS OF DATA ANALYSIS IN DATABASES, DISCOVERING PATTERNS IN DATA, KNOWLEDGE INTERPRETATION, AND EXTRACTION. TOPICS INCLUDE MACHINE LEARNING TECHNIQUES SUCH AS ASSOCIATION RULE MINING, CLASSIFICATION, CLUSTERING, PREDICATION, TEXT MINING, AND WEB MINING. Required Previous: CPSMA-2103

CPSMA-3913 Discrete Mathematics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take CMPSC-1113

CPSMA-3933 Operations Research **3 Credits**
A SURVEY OF OPERATIONS RESEARCH TECHNIQUES AS APPLIED TO QUANTITATIVE DECISION MAKING. TOPICS INCLUDE THE LINEAR PROGRAMMING MODEL AND OTHER OPTIMIZATION TECHNIQUES APPLIED TO INVENTORY, TRANSPORTATION, ASSIGNMENT, NETWORK MODELS, PROJECT SCHEDULING, AND SIMULATIONS. Required Previous: Take MATH-2613 or MATH-2825

CPSMA-4313 Data Processing and Visualization **3 Credits**
ADDRESSES FUNDAMENTAL CONCEPTS AND TECHNIQUES IN SUMMARIZING DATA, MANAGING, AND PRESENTING PICTORIAL REPRESENTATIONS OF COMPLEX DATA FOR EFFECTIVE DATA-DRIVEN DECISION MAKING. TOPICS INCLUDE STATE-OF-THE-ART MODELING, DATA CLEANSING, ANALYSIS AND VISUALIZATION TECHNIQUES OF COMPLEX HIGH DIMENSIONAL DATA AS WELL AS PLOTTING AND DATA GRAPHICS SYSTEMS USING VARIOUS TOOLS. Required Previous: CPSMA-2103

CPSMA-4373 Network Science **3 Credits**
PROVIDES AN INTRODUCTION TO NETWORK SCIENCE. MODELING OF SYSTEMS AS NETWORKS, USING GRAPH THEORY, FROM A VARIETY OF DISCIPLINES IS EXPLORED. ANALYSIS ALGORITHMS FOR NETWORKS AND THE CHALLENGES ASSOCIATED WITH APPLYING THEM TO LARGE SCALE NETWORKS ARE PRESENTED. RELATED SOFTWARE FOR NETWORK ANALYSIS IS STUDIED. THE COURSE WILL FOCUS ON THE APPLICATIONS OF COMPLEX NETWORK ANALYSIS TO FIELDS SUCH AS BIOLOGY, CYBER-SECURITY AND SOCIAL NETWORKS. Required Previous or Concurrent: CMPSC-1113 or Departmental Approval

CPSMA-4413 Numerical Methods **3 Credits**
AN INTRODUCTION TO BASIC NUMERICAL ANALYSIS WITH EMPHASIS UPON NUMERICAL METHODS AND ERROR ANALYSIS IN THE STUDY OF SUCH TOPICS AS POWER SERIES, SOLUTIONS OF EQUATIONS AND SYSTEMS OF EQUATIONS, INTEGRATION AND DIFFERENTIATION, CONVERGENCE, AND SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS. Required Previous: Take MATH-3025

CPSMA-4513 Data Applications in Business **3 Credits**
APPLICATIONS OF DATA TECHNIQUES WITH AN EMPHASIS ON REAL-WORLD PROBLEM SOLVING UTILIZING PROBLEMS FROM BUSINESS, INDUSTRY AND GOVERNMENT. TOPICS INCLUDE REGRESSION ANALYSIS, MARKOV CHAINS, ERROR ANALYSIS, MONTE CARLO SIMULATIONS, AND BIG DATA. EMPHASIS WILL BE MADE TO PROFESSIONAL CODING AND PRESENTATIONS.

CPSMA-H3913 Honors-Discrete Mathematic **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

CPSMA-H3933 Honors-Operations Research **3 Credits**
A SURVEY OF OPERATIONS RESEARCH TECHNIQUES AS APPLIED TO QUANTITATIVE DECISION MAKING. TOPICS INCLUDE THE LINEAR PROGRAMMING MODEL AND OTHER OPTIMIZATION TECHNIQUES APPLIED TO INVENTORY, TRANSPORTATION, ASSIGNMENT, NETWORK MODELS, PROJECT SCHEDULING, AND SIMULATIONS.

CPSMA-H4373 Honors-Network Science **3 Credits**
PROVIDES AN INTRODUCTION TO NETWORK SCIENCE. MODELING OF SYSTEMS AS NETWORKS, USING GRAPH THEORY, FROM A VARIETY OF DISCIPLINES IS EXPLORED. ANALYSIS ALGORITHMS FOR NETWORKS AND THE CHALLENGES ASSOCIATED WITH APPLYING THEM TO LARGE SCALE NETWORKS ARE PRESENTED. RELATED SOFTWARE FOR NETWORK ANALYSIS IS STUDIED. THE COURSE WILL FOCUS ON THE APPLICATIONS OF COMPLEX NETWORK ANALYSIS TO FIELDS SUCH AS BIOLOGY, CYBER-SECURITY AND SOCIAL NETWORKS.

CPSMA-H4413 Honors-Numerical Methods **3 Credits**
AN INTRODUCTION TO BASIC NUMERICAL ANALYSIS WITH EMPHASIS UPON NUMERICAL METHODS AND ERROR ANALYSIS IN THE STUDY OF SUCH TOPICS AS POWER SERIES, SOLUTIONS OF EQUATIONS AND SYSTEMS OF EQUATIONS, INTEGRATION AND DIFFERENTIATION, CONVERGENCE, AND SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS.

CPSMA-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRIMINAL JUSTICE (CRJS)

CRJS-2233 Introduction to Criminal Justice **3 Credits**
AN OVERVIEW OF THE CRIMINAL JUSTICE SYSTEM, TO INCLUDE POLICE, COURTS, AND CORRECTIONS AS THEY PERTAIN TO BOTH ADULTS AND JUVENILES. AN UNDERSTANDING OF THE PARTICIPANTS, AND THEIR ROLES, IN ACCOMPLISHING THE MISSIONS OF THE CRIMINAL JUSTICE SYSTEM.

CRJS-2253 Adult Correctional Systems **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING OF THE ADULT CORRECTIONAL SYSTEM, BOTH IN OKLAHOMA AND ON A NATIONWIDE BASIS. THE COURSE WILL PROVIDE THE STUDENT WITH INFORMATION REGARDING THE ENTIRE FIELD OF ADULT CORRECTIONS.

CRJS-2353 Juvenile Justice System **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING OF THE JUVENILE JUSTICE SYSTEM, BOTH IN OKLAHOMA AND ON A NATIONAL BASIS. THE MAJOR AREAS EXPLORED WILL BE DIVERSION AND TREATMENT GOALS.

CRJS-2453 The Police Function **3 Credits**
POLICE SYSTEMS ESTABLISHED IN AMERICA AND ABROAD, FUNCTIONS AND ACTIVITIES, DIVISION AND SUBDIVISIONS WITH RESPONSIBILITIES OF EACH. SPECIAL EMPHASIS IS PLACED ON CONSTITUTIONAL RIGHTS, RULES, PRINCIPLES AND CONCEPTS GOVERNING ARREST, SEARCH, AND SEIZURE.

CRJS-2881 Special Studies in Criminal Justice (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-2882 Special Studies in Criminal Justice (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-2883 Special Studies in Criminal Justice (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-2884 Special Studies in Criminal Justice (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-3013 Introduction to Narcotics Enformcement **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO TOPICS IN NARCOTICS. TOPICS INCLUDE, BUT ARE NOT LIMITED TO, NARCOTICS INVESTIGATION, CURRENT DRUG TRENDS, PATROL LEVEL SURVEILLANCE, AND INTRODUCTORY NARCOTICS IDENTIFICATION.

CRJS-3023 Forensic Investigative Science **3 Credits**
THIS COURSE PROVIDES AN OVERVIEW OF THE PRINCIPLES, TECHNIQUES, AND APPLICATIONS OF FORENSIC SCIENCE. STUDENTS WILL LEARN ABOUT THE ROLE OF FORENSIC SCIENCE IN CRIMINAL INVESTIGATIONS, THE SCIENTIFIC METHODS EMPLOYED, AND THE ETHICAL CONSIDERATIONS INVOLVED.

CRJS-3203 Victimology **3 Credits**
THE PURPOSE OF THIS COURSE IS TO INTRODUCE THE FIELD OF VICTIMOLOGY. AN INTERDISCIPLINARY AND CONTEXTUAL APPROACH WILL BE USED TO EXPLORE CRIMINAL VICTIMIZATION, AND CONSIDER THE ROLE OF INTRAPERSONAL, INTERPERSONAL, FAMILIAL, PEER, COMMUNITY, AND MASS MEDIA INFLUENCES. STUDENTS WILL BE INTRODUCED TO THE DEVELOPMENT OF THE FIELD, THE CRIMINAL JUSTICE SYSTEM'S RESPONSES TO VICTIMIZATION, SUBAREAS OF VICTIMOLOGY, AND POLICY DEVELOPMENT.

CRJS-3333 Criminal Behavior **3 Credits**
A REVIEW OF HISTORICAL AND CURRENT THEORIES REGARDING THE CAUSES OF CRIMINAL BEHAVIOR. STUDY OF THE MAJOR TYPES OF CRIMINAL OFFENDERS.

CRJS-3343 Introduction to Cold Case Investigations 3 Credits
THIS COURSE PROVIDES AN OVERVIEW OF THE PRINCIPLES, TECHNIQUES, AND CHALLENGES INVOLVED IN INVESTIGATING UNSOLVED CRIMINAL CASES, COMMONLY KNOWN AS COLD CASES. STUDENTS WILL LEARN THE METHODOLOGIES USED TO RE-EXAMINE OLD EVIDENCE, LEVERAGE NEW TECHNOLOGIES, AND APPLY MODERN INVESTIGATIVE STRATEGIES TO CASES THAT HAVE GONE COLD.

CRJS-3353 Introduction to Forensic Science 3 Credits
THIS COURSE IS AN INTRODUCTORY LOOK AT THE VARIOUS FIELDS OF STUDY AND HOW THEY ARE USED IN MODERN LAW ENFORCEMENT; A BRIEF HISTORY OF FORENSIC SCIENCE IN EUROPE AND THE UNITED STATES; USE OF GEOLOGY, ANTHROPOLOGY, DENTISTRY, PATHOLOGY, PSYCHIATRY, AND MANY OTHER MEDIUMS IN INVESTIGATION.

CRJS-3363 Serial Killing and Violent Crime: Behavioral Analysis 3 Credits
BEHAVIORAL ANALYSIS OF SERIAL KILLERS AND VIOLENT CRIMINALS INVOLVES STUDYING THEIR PATTERNS OF BEHAVIOR, MOTIVATIONS, AND PSYCHOLOGICAL FACTORS THAT MAY CONTRIBUTE TO THEIR ACTIONS. HERE'S AN OVERVIEW OF SOME KEY ASPECTS: 1. CRIME SCENE ANALYSIS 2. VICTIMOLOGY 3. PSYCHOLOGICAL PROFILING 4. BEHAVIORAL PATTERNS 5. MOTIVATIONAL FACTORS 6. PROFILING

CRJS-3423 Introduction to Law Enforcement 3 Credits
AN IN-DEPTH STUDY OF OKLAHOMA'S SUBSTANTIVE AND PROCEDURAL CRIMINAL LAWS RELATED TO THE REGULATION OF THE CRIMINAL JUSTICE SYSTEM.

CRJS-3443 Criminal Justice Research Methods 3 Credits
THIS COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE FUNDAMENTALS OF RESEARCH METHODS USED WITHIN THE FIELD OF CRIMINAL JUSTICE. STUDENTS WILL EXPLORE BOTH QUALITATIVE AND QUANTITATIVE RESEARCH METHODOLOGIES, FOCUSING ON HOW THESE APPROACHES ARE APPLIED TO STUDY CRIME, CRIMINAL BEHAVIOR, AND THE FUNCTIONING OF THE CRIMINAL JUSTICE SYSTEM. TOPICS INCLUDE BASIC RESEARCH DESIGN, DATA COLLECTION TECHNIQUES SUCH AS SURVEYS AND INTERVIEWS, AND AN INTRODUCTION TO STATISTICAL ANALYSIS. BY THE END OF THE

CRJS-3503 Rural Criminology 3 Credits
RURAL CRIMINOLOGY IS A FIELD WITHIN CRIMINOLOGY THAT ACKNOWLEDGES THE IMPACT OF RURALITY AND COMMUNITY SIZE ON THE INCIDENCE OF CRIME, TYPE OF CRIME, AND RESOURCES TO RESPOND TO CRIME. IN THIS COURSE, CRIMINOLOGICAL THEORY WILL BE APPLIED TO RURAL AREAS TO EXPLAIN HOW SOCIAL, CULTURAL, AND ECONOMIC FORCES INFLUENCE CRIME IN RURAL AREAS OF THE UNITED STATES.

CRJS-3643 Criminal Justice Issues 3 Credits
FOCUS ON CONTEMPORARY ISSUES CONCERNING THE PHILOSOPHY, MANAGEMENT AND OPERATIONS OF CRIMINAL JUSTICE AGENCIES. THE SCOPE AND DIRECTION OF THIS COURSE IS DETERMINED BY THE INSTRUCTOR.

CRJS-3653 Alternatives to Incarceration 3 Credits
ALL PUBLIC & PRIVATE RESOURCES ARE REVIEWED PERTAINING TO EFFECTIVELY TREATING THE OFFENDERS' UNACCEPTABLE BEHAVIOR IN THE COMMUNITY RATHER THAN IN PRISON. THE IMPACT OF COMMUNITY TREATMENT CENTERS, GROUP HOMES, & HALFWAY HOUSES ON THE INDIVIDUAL & THE COMMUNITY, THE EFFECTIVENESS OF INDIVIDUAL, GROUP, & FAMILY THERAPIES ON THE OFFENDER ARE EXAMINED.

CRJS-4003 Advanced Search and Seizure 3 Credits
THIS COURSE PROVIDES AN IN-DEPTH OVERVIEW, ANALYSIS, AND PRACTICE OF THE FOURTH AMENDMENT AND CURRENT SEARCH AND SEIZURE LAW. IN THIS COURSE STUDENTS WILL LEARN TECHNIQUES TO WRITE STRONG WARRANT AFFIDAVITS, TECHNIQUES OF SEARCH WARRANT EXECUTION, AND IMPROVE UPON ANY EXISTING SKILLS IN SEARCH AND SEIZURE.

CRJS-4123 Digital and Multimedia Forensic Evidence 3 Credits
DIGITAL FORENSICS COURSES PROVIDE THEORETICAL AND PRACTICAL KNOWLEDGE ON IDENTIFYING, COLLECTING, PRESERVING, ANALYZING, AND PRESENTING DIGITAL EVIDENCE FROM VARIOUS DIGITAL DEVICES AND SOURCES. HERE ARE SOME KEY ASPECTS TYPICALLY COVERED IN DIGITAL FORENSICS COURSES: COURSE OVERVIEW . INTRODUCTION TO DIGITAL FORENSICS PRINCIPLES, METHODOLOGIES, AND LEGAL CONSIDERATIONS . UNDERSTANDING THE ROLE OF A DIGITAL FORENSIC EXAMINER AND INVESTIGATOR . FORENSIC ACQUISITION AND PRESERVATION OF DIGITAL

CRJS-4133 Ethics in Forensic Leadership: Advanced Forensic Science 3 Credits
FOCUSES ON LEADERSHIP DEVELOPMENT FOR MANAGERS OF FORENSIC ORGANIZATIONS, INCLUDING EXAMINATION OF LEADERSHIP AND ETHICS THEORIES, APPLICATION TO THEORIES TO PROBLEMS IN FORENSIC SETTINGS, TASKS AND RELATIONAL SKILLS FOR DEVELOPING EFFECTIVE TEAMS AND GROUPS WITHIN AN ETHICAL FRAMEWORK.

CRJS-4143 Serial Murder 3 Credits
A SURVEY OF A CRIMINOLOGICAL VIEW OF SERIAL MURDER. THIS COURSE EXAMINES THE EXTENT, CAUSES, AND SOCIAL CHARACTERISTICS OF SERIAL HOMICIDE. WE WILL EXAMINE THEORIES OF CRIME, VICTIMOLOGY, AND DIFFERENT VARIETIES OF SERIAL HOMICIDE. THIS COURSE WILL ANALYZE METHODS LAW ENFORCEMENT USE TO INVESTIGATE SERIAL HOMICIDE.

CRJS-4293 Police Administration 3 Credits
A COMPARATIVE SURVEY AND ANALYSIS OF ADMINISTRATIVE PHILOSOPHY, PROBLEMS, PROCEDURES, ORGANIZATIONS, CONTEMPORARY HUMAN RESOURCES TRENDS (IE., RECRUITMENT, SELECTION, A.D.A., E.E.O.C., AFFIRMATIVE ACTION, DIVERSITY) FOR EFFECTIVE AGENCY ORGANIZATION. CONSIDERS ADMINISTRATIVE SKILLS RELATING TO OPERATIONS AND PERSONNEL.

CRJS-4333 Criminal Investigation I 3 Credits
INTRODUCTION TO THE FUNDAMENTALS OF CRIMINAL INVESTIGATION, INCLUDING THEORY AND HISTORY, CONDUCT AT CRIME SCENES, COLLECTION AND PRESERVATION OF EVIDENCE.

CRJS-4343 Criminal Investigation II 3 Credits
ADVANCED TECHNIQUES IN CRIMINAL INVESTIGATIONS INCLUDING FORENSIC EXAMINATIONS OF CRIME SCENES AND TRACE EVIDENCE. POLICE RESPONSES TO CRIME WILL INCLUDE FINGERPRINT LIFTING AND PRESERVATION OF EVIDENCE, AS WELL AS METHODS OF IDENTIFYING PERPETRATORS.

CRJS-4443 Digital and Multimedia Forensic Evidence 3 Credits
DIGITAL FORENSICS COURSES PROVIDE THEORETICAL AND PRACTICAL KNOWLEDGE ON IDENTIFYING, COLLECTING, PRESERVING, ANALYZING, AND PRESENTING DIGITAL EVIDENCE FROM VARIOUS DIGITAL DEVICES AND SOURCES. KEY ASPECTS COVERED IN THIS COURSE INCLUDES INTRODUCTION TO DIGITAL FORENSICS PRINCIPLES, METHODOLOGIES, AND LEGAL CONSIDERATIONS, UNDERSTANDING THE ROLE OF A DIGITAL FORENSIC EXAMINER AND INVESTIGATOR, AND FORENSIC ACQUISITION AND PRESERVATION OF DIGITAL EVIDENCE.

CRJS-4473 Legal Aspects of Criminal Justice Process 3 Credits
AN IN DEPTH STUDY OF THE CONSTITUTIONAL BASIS FOR LAW IN THE U.S. THE COURSE WILL EXAMINE THE RELATIONSHIP OF THE JUDICIAL PROCESS AND CONSTITUTIONAL LAW TO CRIMINAL JUSTICE PRACTICE. SPECIAL EMPHASIS WILL BE PLACED ON CASE DECISIONS.

CRJS-4503 Criminal Justice in Indian Country 3 Credits
THIS COURSE FOCUSES ON TRIBAL CRIME DATA COLLECTION, CRIME TRENDS, AND OTHER CRITICAL JUSTICE ISSUES IN INDIAN COUNTRY. TOPICS COVERED IN THIS COURSE INCLUDE THE HISTORICAL DEVELOPMENT AND COMPLEXITIES OF LAW ENFORCEMENT AND LEGAL JURISDICTION, VICTIMIZATION, AND LAW ENFORCEMENT IN THE INDIAN COUNTRY.

CRJS-4623 Interrogation Techniques 3 Credits
THIS COURSE IS IN COMPLIANCE WITH THE COUNCIL ON LAW ENFORCEMENT EDUCATION AND TRAINING (CLEET) REQUIREMENTS, AND IS CONSTRUCTED SPECIFICALLY FOR LAW ENFORCEMENT OFFICERS. THE FOCUS OF THIS COURSE IS TO PREPARE FOR AND TO CONDUCT INTERVIEWS AND INTERROGATIONS INCORPORATING NON-VERBAL KINETICS (BODY LANGUAGE) TECHNIQUES, GRAMMATICAL CLUES TO INDICATE DECEPTION, VERBAL BEHAVIOR ANALYSIS, AND EVASIVE VERBAL RESPONSES DURING INTERVIEWS AND INTERROGATIONS.

CRJS-4941 Internship (Field named in title listing) 1 Credit
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4942 Internship (Field named in title listing) 2 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4944 Internship (Field named in title listing) 4 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4946 Internship (Field named in title listing) 6 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4981 Seminar in Criminal Justice (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-4982 Seminar in Criminal Justice (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-4983 Seminar in Criminal Justice (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-4984 Seminar in Criminal Justice (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-5013 Administration in the Criminal Justice System 3 Credits
AN OVERVIEW OF CRIMINAL JUSTICE ADMINISTRATION CONCENTRATING PRIMARILY ON ISSUES WHICH ARE UNIQUE TO THE VARIOUS CRIMINAL JUSTICE AREAS. THE CLASS WILL FOCUS ON INTERDEPARTMENTAL AND INTRADEPARTMENTAL FUNCTIONS WITHIN THE CRIMINAL JUSTICE SYSTEM.

CRJS-5113 Political and Legal Aspects of the Criminal Justice System 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT UNDERSTAND THE IMPACT OF POLITICAL AND LEGAL DECISIONS ON THE CRIMINAL JUSTICE SYSTEM. EMPHASIS WILL BE PLACED ON THE STUDENT'S UNDERSTANDING OF HOW AGENCIES WITHIN THE CRIMINAL JUSTICE SYSTEM CAN FUNCTION WITHIN A LEGAL POLITICAL CLIMATE.

CRJS-5213 Litigation in the Criminal Justice System 3 Credits
THE PRIMARY FOCUS OF THIS COURSE WILL BE ON INDIVIDUAL AND AGENCY LIABILITY. THE COURSE WILL INCLUDE ISSUES IN THE SCOPE AND BREADTH OF LIABILITY, CONFINEMENT, AND DISCUSSION OF WAYS TO PROVIDE INDIVIDUAL AND AGENCY PROTECTION FROM LIABILITY.

CRJS-5313 Interrogation/Report Writing 3 Credits
THE FOCUS OF THIS COURSE IS TO PROVIDE STUDENTS WITH AN UNDERSTANDING OF EFFECTIVE INTERROGATION TECHNIQUES. THE STUDENT WILL BE FAMILIARIZED WITH VARIOUS TYPES OF REPORTS AND DOCUMENTATION NECESSARY IN THE CRIMINAL JUSTICE SYSTEM.

CRJS-5323 Foundations of the Criminal Justice Profession 3 Credits
TO PROVIDE STUDENTS WITH A THOROUGH KNOWLEDGE OF THE CRIMINAL JUSTICE SYSTEM. ALL MAJOR ASPECTS OF CRIMINAL JUSTICE WILL BE COVERED. THE COURSE WILL PROVIDE THE FRAMEWORK FOR ALL OTHER REQUIRED COURSES.

CRJS-5333 Crime Reduction Strategies **3 Credits**
THIS COURSE EXAMINES CRIME PREVENTION AS AN ALTERNATIVE TO A REACTIVE CRIMINAL JUSTICE OPERATIONS. IT REVIEWS CURRENT THEORIES OF, AND LEADING RESEARCH ON, THE MAIN APPROACHES TO PREVENTING CRIME, INCLUDING DEVELOPMENTAL, SITUATIONAL, AND COMMUNITY PREVENTION. A SPECIAL FOCUS IS PLACED ON ASSESSING THE EFFECTIVENESS OF PREVENTION PROGRAMS AND POLICIES.

CRJS-5433 Advanced Criminological Theory **3 Credits**
EXAMINATION OF CLASSIC AND CONTEMPORARY THEORETICAL EXPLANATIONS OF CRIME FROM MULTIPLE CRIMINOLOGICAL PERSPECTIVES INCLUDING CLASSICAL, BIOLOGICAL, PSYCHOLOGICAL, AND SOCIOLOGICAL THEORIES. ANALYSIS OF CRIME PATTERNS AND CRIME CORRELATES AND SUBSTANTIVE FOCUS ON THE APPLICATION OF SUCH THEORIES TO CRIMINAL JUSTICE AGENCIES, COMMUNITY, AND SOCIETY.

CRJS-5553 Practicum in Criminal Justice **3 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN DIFFERENT AREAS OF CRIMINAL JUSTICE ADMINISTRATION. THE STUDENT WILL BE DIRECTED TOWARDS THE INTEGRATION AND APPLICATION OF DECISION MAKING, EVALUATION AND SUPERVISORY SKILLS.

CRJS-5981 Seminar in Criminal Justice (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-5982 Seminar in Criminal Justice (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-5983 Seminar in Criminal Justice (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-5984 Seminar in Criminal Justice (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-C4946 Internship in Criminal Justice **6 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-H2233 Honors-Introduction to Criminal Justice **3 Credits**
AN OVERVIEW OF THE CRIMINAL JUSTICE SYSTEM, TO INCLUDE POLICE, COURTS, AND CORRECTIONS AS THEY PERTAIN TO BOTH ADULTS AND JUVENILES. AN UNDERSTANDING OF THE PARTICIPANTS, AND THEIR ROLES, IN ACCOMPLISHING THE MISSIONS OF THE CRIMINAL JUSTICE SYSTEM.

CRJS-H3333 Honors-Criminal Behavior **3 Credits**
A REVIEW OF HISTORICAL AND CURRENT THEORIES REGARDING THE CAUSE OF CRIMINAL BEHAVIOR. STUDY OF THE MAJOR TYPES OF CRIMINAL OFFENDERS.

CRJS-H4153 Honors-Juvenile Programs and Settings **3 Credits**
A SENIOR LEVEL COURSE DESIGNED TO ENHANCE THE STUDENT'S KNOWLEDGE CONCERNING TREATMENT MODALITIES WITHIN JUVENILE SETTINGS. EMPHASIS WILL BE PLACED ON THE STUDENTS ACQUIRING KNOWLEDGE CONCERNING THE WHOLE REALM OF JUVENILE PROGRAMS AND SEEING HOW EACH FIT WITHIN THE OVERALL STRUCTURE.

CRJS-H4333 Honors-Criminal Investigation I **3 Credits**
INTRODUCTION TO THE FUNDAMENTALS OF CRIMINAL INVESTIGATION, INCLUDING THEORY AND HISTORY, CONDUCT AT CRIME SCENES, COLLECTION AND PRESERVATION OF EVIDENCE.

CRJS-H4413 Honors-Correctional Programs and Settings **3 Credits**
STUDY OF THE CURRENT MAJOR CORRECTIONAL PROGRAMS BEING UTILIZED TO CHANGE ADULT CRIMINALS' BEHAVIOR. ALSO, HOW THE VARIOUS CORRECTIONAL SETTINGS HAVE A SIGNIFICANT INFLUENCE ON THE EFFECTIVENESS OF THESE PROGRAMS.

CRJS-P4946 Internship- Cops **6 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

ECONOMICS (ECON)

ECON-2003 Principles of Macroeconomics **3 Credits**
THE FIRST PART OF THE COURSE WILL EXAMINE VARIABLES SUCH AS OUTPUT, UNEMPLOYMENT, AND INFLATION, WHICH ARE IMPORTANT IN EXAMINING HOW THE ECONOMY IS DOING. THEN THE COURSE WILL EXAMINE THE BUSINESS CYCLE: WHY THE ECONOMY MIGHT ENTER A RECESSION, WHAT POLICY OPTIONS THE GOVERNMENT, INCLUDING THE FEDERAL RESERVE, HAS AT ITS DISPOSAL TO AFFECT THE BUSINESS CYCLE. AFTER THIS COURSE, STUDENTS WILL BE BETTER ABLE TO ANALYZE ECONOMIC DISCUSSIONS AND HAVE A BETTER COMPREHENSION OF ECONOMIC EVENTS AS THE

ECON-2013 Principles of Microeconomics **3 Credits**
THIS COURSE IS DESIGNED TO INTRODUCE STUDENTS TO BASIC PRINCIPLES OF MICROECONOMICS AND TO DEVELOP AN UNDERSTANDING OF THE BEHAVIOR OF INDIVIDUAL AGENTS AND HOW THEIR ACTIONS MAY BE COORDINATED IN FIRMS AND MARKETS. TOPICS INCLUDE INTERNATIONAL TRADE, SUPPLY AND DEMAND, CONSUMER BEHAVIOR, PRODUCTION, MARKET STRUCTURES, LABOR MARKET AND POVERTY, AND TAXATION. Required Previous: ECON-2003 or departmental approval.

ECON-5103 Economics for Managers **3 Credits**
THIS COURSE PROVIDES AN UNDERSTANDING OF THE ECONOMIC FUNDAMENTALS THAT ARE ESSENTIAL TO THE MANAGERIAL DECISION MAKING PROCESS. STUDENTS WILL DEVELOP AN UNDERSTANDING OF MICROECONOMIC ANALYSIS INCLUDING SUPPLY/DEMAND, ELASTICITY, PRODUCTION AND COST, MARKET STRUCTURE, AND PRICING STRATEGIES. MACROECONOMIC PRINCIPLES INCLUDING MACROECONOMIC STATISTICS, MONETARY AND FISCAL POLICIES, AND INTERNATIONAL FINANCE WILL BE DISCUSSED. BOTH MICROECONOMIC AND MACROECONOMIC PRINCIPLES WILL BE SYNTHESIZED TO

ECON-5143 Applied Economics **3 Credits**
UTILIZES MICROECONOMICS AND MACROECONOMICS CONCEPTS TO FORMULATE BUSINESS DECISIONS UNDER LOCAL, REGIONAL, AND INTERNATIONAL SETTINGS. TOPICS INCLUDE: SUPPLY AND DEMAND ANALYSIS, PRODUCTION THEORY, EVALUATION OF COSTS, PRICES, AND INVESTMENT LEVELS, MARKET STRUCTURE ANALYSIS, INTERNATIONAL ECONOMICS ISSUES, AND THE IMPACT OF NATIONAL MONETARY AND FISCAL POLICIES ON NATIONAL INCOME, INFLATION AND INTEREST RATES. Required Previous: ECON-2013

ECON-5981 Seminar in Economics (subject Named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5982 Seminar in Economics (subject Named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5983 Seminar in Economics (subject Named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5984 Seminar in Economics (subject Named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5991 Individual Study in Economics (subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-5992 Individual Study in Economics (subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-5993 Individual Study in Economics (subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-5994 Individual Study in Economics (subject named in Title Listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-H2003 Honors-Principles of Microeconomics **3 Credits**
THE FIRST PART OF THE COURSE WILL EXAMINE VARIABLES SUCH AS OUT PUT, UNEMPLOYMENT, AND INFLATION WHICH ARE IMPORTANT IN EXAMINING HOW THE ECONOMY IS DOING. THEN THE COURSE WILL EXAMINE THE BUSINESS CYCLE: WHY THE ECONOMY MIGHT ENTER A RECESSION, WHAT POLICY OPTIONS THE GOV ERNMENT, INCLUDING THE FEDERAL RESERVE, HAS AT ITS DISPOSAL TO AFFECT THE BUSINESS CYCLE. AFTER THIS COURSE, STUDENTS WILL BE BETTER ABLE TO ANALYZE ECONOMIC DISCUSSIONS AND HAVE A BETTER COMPREHENSION OF ECONOMIC EVENTS AS TH

ECON-S5981 Seminar in Economics (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(EDIS)

EDIS-7003 Applied Dissertation/Capstone I - Prospectus **3 Credits**
THIS COURSE SERVES AS THE INITIAL PHASE OF THE APPLIED DISSERTATION/CAPSTONE PROJECT FOR DOCTORAL CANDIDATES. IT GUIDES STUDENTS THROUGH THE DEVELOPMENT AND REFINEMENT OF THEIR RESEARCH PROSPECTUS, LAYING THE GROUNDWORK FOR THE COMPREHENSIVE RESEARCH STUDY THEY WILL UNDERTAKE. Required Previous or Concurrent: Take EDUC-6053

EDIS-7013 Applied Dissertation-Capstone Ii- Research **3 Credits**
THIS COURSE REPRESENTS THE CULMINATION OF THE DOCTORAL PROGRAM, GUIDING STUDENTS THROUGH THE IMPLEMENTATION PHASE OF THEIR APPLIED DISSERTATION/CAPSTONE PROJECT. IT FOCUSES ON THE RESEARCH OF LITERATURE, METHODS, EXECUTION, DATA COLLECTION TO PRODUCE A COMPREHENSIVE RESEARCH STUDY. Required Previous or Concurrent: Take EDIS-7003

EDIS-7023 Applied Dissertation/Capstone III - Dissertation **3 Credits**
THIS COURSE REPRESENTS THE CULMINATION OF THE DOCTORAL PROGRAM, GUIDING STUDENTS THROUGH THE IMPLEMENTATION PHASE OF THEIR APPLIED DISSERTATION OR CAPSTONE PROJECT. IT FOCUSES ON THE EXECUTION, DATA COLLECTION, ANALYSIS, AND SYNTHESIS OF FINDINGS TO PRODUCE A COMPREHENSIVE RESEARCH STUDY/CAPSTONE PROJECT. Required Previous or Concurrent: Take EDIS-7003

EDUCATION LIBRARY SCIENCE (EDLBS)

EDLBS-4913 Children's Literature **3 Credits**
INTRODUCTION OF A VARIETY OF LITERARY MATERIALS TO UTILIZE AND SUPPORT TEACHING PRE-KINDERGARTEN AND ELEMENTARY-AGE LEARNERS. RESOURCES REPRESENTS DIVERSE DEVELOPMENTAL LEVELS, CULTURAL CONTEXTS, INFORMATION NEEDS, LITERARY MERIT, AND CONCEPTS THAT SUPPORT LEARNER ENGAGEMENT, INTEREST AND INQUIRY.

EDLBS-5333 Administration and Use of Instructional Media **3 Credits**
FAMILIARIZES STUDENTS WITH A BROAD RANGE OF INSTRUCTIONAL MEDIA FOR DESIGNING INSTRUCTION IN PHYSICAL AND VIRTUAL SCHOOL LIBRARY LEARNING ENVIRONMENTS AND WITH PRINCIPLES AND TECHNIQUES RELATED TO THE SELECTION, ADMINISTRATION, AND EVALUATION OF INSTRUCTIONAL MEDIA AND TECHNOLOGY, AS WELL AS DESIGNING A SCHOOL COMMUNITY LEARNING FACILITY.

EDLBS-5913 Advanced Children's Lit **3 Credits**
TYPES OF MATERIALS USED WITH PRE-KINDERGARTEN AND ELEMENTARY-AGE CHILDREN. EVALUATION OF MATERIALS ACCORDING TO LITERARY VALUE AND AGE PLACEMENTS.

EDLBS-H4913 Honors-Children's Literature **3 Credits**
INTRODUCTION OF A VARIETY OF LITERARY MATERIALS TO UTILIZE AND SUPPORT TEACHING PRE-KINDERGARTEN AND ELEMENTARY-AGE LEARNERS. RESOURCES REPRESENTS DIVERSE DEVELOPMENTAL LEVELS, CULTURAL CONTEXTS, INFORMATION NEEDS, LITERARY MERIT, AND CONCEPTS THAT SUPPORT LEARNER ENGAGEMENT, INTEREST AND INQUIRY.

EDLBS-S5981 Seminar in Edlbs **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUCATION MATHEMATICS (EDMA)

EDMA-5243 Assessment and Treatment of Mathematics Difficulties **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL UNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE WILL EXAMINE DIFFICULTIES STUDENTS HAVE WITH ACQUISITION OF TYPICAL ARITHMETIC SKILLS. THE FOCUS WILL BE ON DIAGNOSING AND DETERMINING INTERVENTIONS FOR AT RISK STUDENTS (I.E., STUDENTS WITH DYSCALCULIA AND/OR OTHER MATHEMATICS-RELA

EDMA-5663 Mathematics Leadership and Mentoring **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE WILL PROVIDE STUDENTS WITH THE MOST CURRENT UNDERSTANDING OF MATHEMATICS CONSULTATION AND MENTORING. TOPICS WILL INCLUDE LEADERSHIP FOR SCHOOL MATHEMATICS PROGRAMS, COLLABORATION WITH TEACHERS AND OTHER PROFESSIONALS, DATA ANALYSIS

EDMA-5713 Number Concepts and Operations-Pedagogy In Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF NUMBER CONCEPTS AND OPERATIONS AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN NUMBER CONCEPTS AND OPERA

EDMA-5723 Geometry and Measurement-Pedagogy in Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF GEOMETRIC IDEAS AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN GEOMETRICAL REASONING. SPECIAL ATTENTION

EDMA-5733 Data Analysis and Probability-Pedagogy In Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF DATA ANALYSIS AND PROBABILITY AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN DATA ANALYSIS AND PROBABIL

EDMA-5743 Algebra and Functions-Pedagogy in Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL.THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF ALGEBRAIC IDEAS AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN ALGEBRAIC REASONING. SPECIAL ATTENTION WI

EDMA-S5981 Seminar in Edma **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUCATION PSYCHOLOGY (EDPSY)

EDPSY-3513 Educational Psychology **3 Credits**
CANDIDATES WILL APPLY PSYCHOLOGICAL THEORIES TO CLASSROOM PRACTICE. PRIMARY COURSE TOPICS INCLUDE CHILD DEVELOPMENTAL NEEDS, METHODS OF VARIED ASSESSMENT AND MEANS TO CREATE A PRODUCTIVE LEARNING ENVIRONMENT WITHIN THE CLASSROOM. CANDIDATES IN THIS COURSE WILL ALSO LEARN EFFECTIVE CLASSROOM MANAGEMENT STRATEGIES AND VARIED MOTIVATIONAL STRATEGIES TO ENSURE DEVELOPMENTAL NEEDS OF STUDENTS ARE EFFECTIVELY MET. Required Previous or Concurrent: EDUC-3001 and admitted to the Teacher Education program.

EDPSY-5143 Introduction to School Psychological Services **3 Credits**
EXPLORES THE ROLE AND FUNCTION OF SCHOOL PSYCHOMETRISTS AND SCHOOL PSYCHOLOGISTS, INCLUDING PROFESSIONAL ETHICS, LEGAL IMPLICATIONS, REFERRAL SOURCES, ASSESSMENT AND PLACEMENT, CONSULTATION, INTERVENTION STRATEGIES, AND PROFESSIONAL AFFILIATIONS.

EDPSY-5153 Family School Collaboration and Consultation **3 Credits**
THIS COURSE FOCUSES ON EMPIRICALLY-SUPPORTED, SCHOOL AND FAMILY-IMPLEMENTED INTERVENTIONS FOR CHILDREN AND ADOLESCENTS ADDRESSING A VARIETY OF HOME AND SCHOOL PROBLEMS WITHIN THE DISCIPLINE OF SCHOOL PSYCHOLOGY. EFFECTIVE METHODS OF CONSULTATION WITH SCHOOL AND FAMILY STAKEHOLDERS WILL BE PRIMARY FOCUS. Required Previous or Concurrent: Take PSYCH-5363

EDPSY-5163 Cognitive Behavioral Theories and Methods of Counseling and Psychotherapy **3 Credits**
EXPLORATION & EXAM OF THEORIES & TECHNIQUES UTILIZED WHEN FUNCTIONING AS A COUNSELOR OR THERAPIST WITHIN A COGNITIVE AND/OR BEHAVIORAL CONCEPTUAL FRAMEWORK. PERSONALITY & BEHAVIOR CHANGE IS CONSIDERED WITHIN THE FRAMEWORK OF A COGNITIVE AND/OR

BEHAVIORAL PERSPECTIVE. INCLUDED ARE THEORIES & TECHNIQUES SUCH AS RATIONAL-EMOTIVE THERAPY, BECK'S COGNITIVE THERAPY, COGNITIVE-BEHAVIOR MODIFICATION, SOCIAL LEARNING THEORY AND MILIEU THERAPY, AND VARIOUS APPROACHES BASED UPON OPERANT AND CLASSICAL COND

EDPSY-5353 Standardized Group Tests **3 Credits**
THEORETICAL RATIONALE UNDERLYING THE USE OF EDUCATIONAL AND PSYCHOLOGICAL TESTS FOR THE DESCRIPTION, EVALUATION, PREDICTION, AND GUIDANCE OF BEHAVIOR: EMPHASIZING THOSE TESTS USED IN SCHOOLS FOR THE EVALUATION OF ACADEMIC AREAS, AS WELL AS THOSE USED IN SUCH SETTINGS AS GUIDANCE CENTERS AND EMPLOYMENT AGENCIES.

EDPSY-5363 Life-Span Career Development **3 Credits**
THIS COURSE EXAMINES CAREER PLANNING, INTERRELATIONSHIPS IN THE WORKPLACE, AND THEORIES OF CAREER DEVELOPMENT IN THE COUNSELING/PSYCHOLOGY FIELD. IT INCLUDES A VARIETY OF TRAINING EXPERIENCES DESIGNED TO PREPARE SCHOOL COUNSELORS AND OTHER COUNSELING AND PSYCHOLOGICAL SERVICES PROFESSIONALS FOR THE FIELD OF WORK. TECHNIQUES FOR ASSESSMENT OF CAREER APTITUDES, INTERESTS, VALUES, AND PERSONALITY PROVIDE AN OPPORTUNITY FOR IN-DEPTH SELF-STUDY. IT INCLUDES A FOCUS ON ETHICAL AND MULTICULTURAL PRACTI

EDPSY-5373 Personality Assessment for Children **3 Credits**
THE STUDY OF METHODS AND TECHNIQUES FOR ASSESSING CHILDREN'S BEHAVIOR AND THEIR SOCIAL AND EMOTIONAL DEVELOPMENT. THE COURSE WILL INCLUDE FORMAL AND INFORMAL METHODS OF ASSESSING BOTH INTERNALIZING AND EXTERNALIZING PROBLEMS. OBJECTIVE AND PROJECTIVE METHODS WILL BE STUDIED. STUDENTS WILL BE PREPARED TO WORK IN BOTH EDUCATIONAL AND CLINICAL SETTINGS. Required Previous: EDPSY-5353 or PSYCH-4213

EDPSY-5403 Non-Traditional Assessment **3 Credits**
A STUDY OF ALTERNATIVE METHODS OF CHILD ASSESSMENT INCLUDING FUNCTIONAL BEHAVIOR ASSESSMENT, STANDARDIZED CURRICULUM-BASED MEASUREMENTS, SUCH AS THE DYNAMIC INDICATORS OF BASIC EARLY LITERACY SKILLS (DIBELS), AND RESPONSE TO INTERVENTION MODELS OF ASSESSMENT. THE PRIMARY FOCUS OF THIS COURSE IS LEARNING ASSESSMENT TECHNIQUES THAT DIRECTLY INFORM INTERVENTION. THE COURSE WILL INCLUDE DISCUSSION ABOUT USING SUCH TECHNIQUES TO MEET FEDERAL REQUIREMENTS FOR SPECIAL EDUCATION ELIGIBILITY. Required Previous: EDPSY-5353

EDPSY-5433 Affective Theories and Techniques of Counseling and Psychotherapy **3 Credits**
EXPLORATION AND EXAMINATION OF THEORIES AND TECHNIQUES UTILIZED WHEN FUNCTIONING AS A COUNSELOR OR THERAPIST WITHIN AN AFFECTIVE CONCEPTUAL FRAMEWORK. PERSONALITY AND BEHAVIOR CHANGE IS CONSIDERED WITHIN THE FRAMEWORK AT AN AFFECTIVE PERSPECTIVE. INCLUDED ARE THEORIES AND TECHNIQUES SUCH AS CLIENT-CENTERED THERAPY, GESTALT THERAPY, EXISTENTIALTHERAPY, PSYCHO-ANALYTIC THERAPY, AND REALITY THERAPY. Required Previous: EDPSY-5163

EDPSY-5493 Practicum in School Psychology **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 HOURS IN AN APPROPRIATE SETTING UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOLOGIST OR A LICENSED PSYCHOLOGIST. Required Previous: EDPSY-5163

EDPSY-5553 Practicum in Counseling **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN SUPERVISED PRACTICAL EXPERIENCE IN PROFESSIONALLY APPROPRIATE COUNSELING AND PSYCHOLOGICAL ACTIVITIES AT A FACILITY ENGAGED IN FURNISHING PSYCHOLOGICAL, MEDICAL, REHABILITATIVE, COUNSELING, OR OTHER SOCIALLY RELEVANT HUMAN SERVICES TO A CLIENT POPULATION. STUDENTS WILL DEVELOP AND REFINE COMPETENCIES IN THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES AND SKILLS IN ORDER TO FUNCTION EFFECTIVELY AS PROVIDERS OF COUNSELING AND PSYCHOLOGICAL SERVICE Required Previous: EDPSY-5433

EDPSY-5593 Internship in School Psychology I **3 Credits**
THE INTERN WILL SPEND A MINIMUM OF 600 CLOCK HOURS UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOLOGIST OR LICENSED PSYCHOLOGIST. THE INTERNSHIP IS A 2 SEMESTER EXPERIENCE WHICH EARNS 3 CREDIT HOURS A SEMESTER. STUDENT WILL ENROLL IN EDPSY 5613 INTERNSHIP II AFTER EDPSY 5593 INTERNSHIP I HAS BEEN COMPLETED FOR THE REMAINDER OF THE INTERNSHIP EXPERIENCE. Required Previous: EDPSY-5493

EDPSY-5613 Internship in School Psychology II **3 Credits**
THE INTERN WILL SPEND A MINIMUM OF 600 CLOCK HOURS UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOLOGIST OR LICENSED PSYCHOLOGIST. THIS COURSE IS THE SECOND PART OF A TWO-SEMESTER EXPERIENCE. THE STUDENT WILL HAVE COMPLETED EDPSY 5593 INTERNSHIP I BEFORE ENROLLING IN EDPSY 5613 INTERNSHIP II. Required Previous: EDPSY-5593

EDPSY-5693 Practicum in School Psychometry **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN AN APPROPRIATE SETTING UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOMETRIST OR A LICENSED PSYCHOLOGIST. Required Previous: EDPSY-5143

EDPSY-5961 Special Study in EDPSY **1 Credit**
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION. GRADING IS P OR F.

EDPSY-5962 Special Study in EDPSY **2 Credits**
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION. GRADING IS P OR F.

EDUCATION (EDUC)

EDUC-0111 Developmental Reading **1 Credit**
THROUGH DIAGNOSTIC PROCEDURES AN INDIVIDUALIZED READING IMPROVEMENT PROGRAM WILL BE DEVELOPED. THE INDIVIDUALIZED DIAGNOSTIC PROFILE WILL FOCUS UPON VOCABULARY AND READING COMPREHENSION IMPROVEMENT. THIS COURSE DOES NOT COUNT FOR DEGREE CREDIT. GRADING IS P OR F.

EDUC-1113 Reading Improvement I **3 Credits**
THIS COURSE IS DESIGNED TO ASSIST THE STUDENT IN THE ACQUISITION OF A LARGER SIGHT VOCABULARY AND MORE FUNCTIONAL WORD ATTACK TECHNIQUES. THERE WILL BE DIAGNOSTIC PROCEDURES FOLLOWED BY AN INDIVIDUALIZED PROGRAM IN ORDER TO MAXIMIZE THE IMPROVEMENT OF VARIOUS WEAKNESSES. COMPREHENSION WILL BE STRESSED AS SUGGESTIONS ARE MADE TO IMPROVE SPEED.

EDUC-2012 Diversity in American Education **2 Credits**
HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF MULTICULTURALISM AND DIVERSITY, WITH PRACTICAL APPLICATION OF CULTURALLY RESPONSIVE PEDAGOGY IN AMERICAN EDUCATION. ELEMENTS OF OVERALL PROFESSIONALISM AND THE TEACHING PROFESSION. Required Previous or Concurrent: EDUC-2211

EDUC-2211 Field Experience I **1 Credit**
A 25 CLOCK HOUR LABORATORY EXPERIENCE IN WHICH POTENTIAL TEACHER CANDIDATES OBSERVE IN ELEMENTARY, MIDDLE/JUNIOR HIGH, AND HIGH SCHOOLS TO ACQUIRE A MORE MATURE PERSPECTIVE OF THE STAGES OF DEVELOPMENT OF STUDENTS AND THE ROLES OF TEACHER AND OTHER PROFESSIONALS. Required Previous or Concurrent: EDUC-2012

EDUC-2402 Survey of Exceptional Children **2 Credits**
AN INTRODUCTION TO INTELLECTUAL, BEHAVIORAL, SENSORY, PHYSICAL, AND LEARNING DEVELOPMENT OF SPECIAL NEEDS STUDENTS WITHIN THE GENERAL EDUCATION CLASSROOM. STUDENTS WILL GAIN UNDERSTANDING OF THE IMPACT DEVELOPMENTAL NEEDS OF LEARNERS IN A DIVERSE CLASSROOM ENVIRONMENT. STUDENTS WILL GAIN UNDERSTANDING OF BOTH STATE AND FEDERAL REGULATIONS WHICH IMPACT STUDENTS WITH EXCEPTIONALITIES. A MINIMUM OF FIFTEEN HOURS INTERACTION WITH INDIVIDUALS WHO HAVE DISABILITIES IS REQUIRED IN THIS COURSE.

EDUC-2453 Reading Improvement II **3 Credits**
A COURSE FOR STUDENTS WHO WISH TO IMPROVE VOCABULARY, COMPREHENSION AND READING RATE. CONTENT VOCABULARY WILL BE EMPHASIZED ALONG WITH SUGGESTIONS FOR IMPROVEMENT OF THE STUDY SKILLS. A READING DIAGNOSIS WILL BE FOLLOWED BY AN INSTRUCTIONAL PROGRAM IN ORDER TO INSURE OPTIMUM INDIVIDUAL PROGRESS.

EDUC-2631 Foundations of Education Technology **1 Credit**
THIS COURSE IS DESIGNED TO PREPARE TEACHER CANDIDATES WITH HANDS-ON OPPORTUNITIES TO USE PRODUCTIVITY TOOLS FOR ENHANCEMENT OF DIGITAL LITERACY COMMUNICATION IN THEIR FUTURE CLASSROOM. THERE WILL BE A FOCUS ON INTRODUCING A VARIETY OF EDUCATIONAL APPLICATIONS OF TECHNOLOGY. Required Previous: Completed 36 hours of coursework.

EDUC-2881 Special Studies in Education **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-2882 Special Studies in Education **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-2883 Special Studies in Education **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-2884 Special Studies in Education **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-3001 Field Experience II **1 Credit**
TWENTY-FIVE HOURS OF PUBLIC SCHOOL CLASSROOM AND TEACHING LABORATORY EXPERIENCES RELATED TO TEACHER PREPARATION IN GENERAL AND SPECIFICALLY TO THOSE TOPICS COVERED IN EDPSY 3513 EDUCATIONAL PSYCHOLOGY. Required Previous or Concurrent: EDPSY-3513

EDUC-3013 Methods of Emergent Literacy **3 Credits**
TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED ABOUT FOUNDATIONAL READING AND WRITING THEORIES TO INCORPORATE FOUNDATIONAL COMMUNICATION AND READING SKILLS NECESSARY TO PROMOTE EARLY LITERACY DEVELOPMENT. CANDIDATES WILL DEVELOP COMPETENCY AND APPLY KNOWLEDGE OF THE COMPONENTS OF EMERGENT LITERACY AND THE SCIENCE OF READING, INCLUDING ORAL LANGUAGE DEVELOPMENT, DECODING, FLUENCY DEVELOPMENT AND WRITING AND SPELLING STRATEGIES TO PLAN FOCUSED, INTENSIVE INSTRUCTION TO MEET THE DI Required Previous: Take EDUC-3463 with a grade of C or higher

EDUC-3033 Socialization and Guidance of Young Children **3 Credits**
STUDY OF THEORY, PRINCIPLES, AND METHODS USED TO PROVIDE GUIDANCE AND SUPPORT IN THE INTERACTIONS, COMMUNICATIONS, AND RELATIONSHIPS WITH YOUNG CHILDREN AND THEIR FAMILIES, AND TO DEVELOP KNOWLEDGE OF ADVOCACY AND COLLABORATION FOR YOUNG CHILDREN IN THE EARLY CHILDHOOD FIELD WITH COMMUNITY RESOURCES INCLUDING FAMILIES WITH AN UNDERSTANDING AND DEMONSTRATION OF POSITIVE, CARING, SUPPORTIVE RELATIONSHIPS AND INTERACTIONS AND VALUE OF A CHILD AS AN INDIVIDUAL. UTILIZE PROFESSIONAL RESOURCES AND GUI Required Previous: Take PSYCH-3463

EDUC-3043 Education, Development, and Observation Of the Young Child **3 Credits**
STUDY OF COGNITIVE, LITERACY, LANGUAGE, PSYCHO/SOCIAL, AND PHYSICAL/MOTOR DEVELOPMENT OF YOUNG CHILDREN AND HOW THEY LEARN IN MULTIPLE CONTEXTS INCLUDING PLAY AND EXECUTIVE FUNCTION SKILLS. EXAMINATION OF THE ROLE OF THE EARLY CHILDHOOD EDUCATOR IN APPLYING AND USING THAT KNOWLEDGE TO TEACHING PRACTICES AND PROVIDING CURRICULUM THAT SUPPORT THE LEARNING OF YOUNG CHILDREN THROUGH INTENTIONAL AND REFLECTIVE PRACTICES INCLUDING PEDAGOGICAL CONTENT THROUGH ASSESSMENTS THAT ARE ETHICALLY GROUNDED AND Required Previous: PSYCH-3463

EDUC-3333 Methods in Creative Arts for Young Children **3 Credits**
STUDY AND APPLICATION OF DEVELOPMENTALLY APPROPRIATE SYNTHESIZED CREATIVE ARTS EXPERIENCES THROUGH THE INTEGRATION OF INSTRUCTIONAL CONTENT AND METHODS ASSOCIATED WITH PLAY, MOVEMENT, MUSIC/RHYTHMIC, AND VISUAL ARTS EXPLORATION THAT ALLOWS FOR INDIVIDUAL VARIATIONS OF EXPRESSION FOR EARLY CHILDHOOD AND ELEMENTARY-AGE LEARNERS AS WELL AS DEVELOPMENT OF EXECUTIVE FUNCTION SKILLS.

EDUC-3413 Methods in Elementary Language Arts **3 Credits**
METHODS AND TECHNIQUES OF TEACHING DEVELOPMENT OF SKILLS IN LISTENING, SPEAKING, WRITING AND SPELLING IN THE ELEMENTARY GRADES.

EDUC-3463 Foundations of Reading **3 Credits**
STUDENTS WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED FROM FOUNDATIONAL READING THEORIES INCLUDING READING DEVELOPMENT THROUGH PROCESSES OF EMERGENT READING INCLUDING THE COMPONENTS OF THE SCIENCE OF READING. ALSO INCLUDES LEARNING AND APPLICATION OF FOUNDATIONAL EMERGENT WRITING STAGES OF PRELITERATE, EMERGENT, TRANSITIONAL TO FLUENT.

EDUC-3483 Methods of Reading **3 Credits**
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO TEACH THE ELEMENTARY TRANSITION FROM LEARNING TO READ TO READING TO LEARN. THIS COURSE COVERS ALL ELEMENTARY GRADES, BUT WILL FOCUS ON STUDENTS IN GRADES 3-6. INSTRUCTIONAL STRATEGIES AND LEARNING ACTIVITIES CENTER ON USING READING STRATEGIES ACROSS THE CURRICULUM TO ENHANCE LEARNING, THE RECIPROCAL PROCESS OF READING AND WRITING INSTRUCTION, VOCABULARY DEVELOPMENT, FLUENCY, AND COMPREHENSION INSTRUCTION INFLUENCED BY THE SCIENCE OF READ Required Previous: EDUC-3463; Admission to Teacher Education

EDUC-3493 Reading Assessment for Instruction **3 Credits**
TEACHER CANDIDATES WILL ADMINISTER FORMATIVE AND SUMMATIVE ASSESSMENTS ASSOCIATED WITH THE COMPONENTS OF THE SCIENCE OF READING TO BOTH DETERMINE AND ENHANCE THE DIVERSE READING DEVELOPMENTAL NEEDS OF EARLY CHILDHOOD AND ELEMENTARY STUDENTS. CANDIDATES WILL UTILIZE ASSESSMENT DATA TO INFORM, MONITOR, AND PLAN DIFFERENTIATED FOCUSED AND INTENSIVE READING INSTRUCTION FOR BOTH SMALL GROUP AND INDIVIDUAL LEARNING TO ENHANCE THE DIVERSE NEEDS OF STRUGGLING READERS IN THE EARLY CHILDHOOD AND ELEMENTAR Required Previous: EDUC-3463

EDUC-3503 Methods in Elementary Mathematics- Primary **3 Credits**
APPLY MAJOR MATHEMATICS PRACTICES AND PROCESSES THROUGH PLANNING INSTRUCTIONAL STRATEGIES AND ENGAGING LEARNING ACTIVITIES TO CREATE CONNECTIONS BETWEEN MATHEMATICAL PRACTICES AND APPROPRIATE MATH CONTENT/CONCEPTS TO MEET THE MATHEMATICAL LEARNING NEEDS OF PK THROUGH 3RD GRADE STUDENT POPULATIONS. TEACHER CANDIDATES WILL ALSO APPLY SUMMATIVE AND FORMATIVE ASSESSMENT TECHNIQUES TO MONITOR STUDENT LEARNING AND TO GUIDE INSTRUCTIONAL PRACTICES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTURALLY AND LI

EDUC-3513 Methods in Elementary Mathematics- Intermediate **3 Credits**
DEVELOPMENT OF IDEAS AND TECHNIQUES RELATED TO TEACHING MATHEMATICAL CONCEPTS AND SKILLS WITH EMPHASIS ON THE INTERMEDIATE GRADE LEVEL. VARIETY OF LEARNING AIDS WITH EMPHASIS ON DETAILED UNDERSTANDING OF MATHEMATICAL OPERATIONS.

EDUC-3603 Science and Social Studies for Early Childhood **3 Credits**
FOCUSES ON DEVELOPING APPROPRIATE EXPERIENCES IN SCIENCE AND SOCIAL STUDIES FOR YOUNG CHILDREN THAT INSPIRE INQUIRY AND ENGAGEMENT. EMPHASIZES PRACTICES AND STRATEGIES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTURALLY RELEVANT, AND ALLOW FOR A VARIETY OF EXPERIENCES BASED ON INDIVIDUAL NEEDS AND ABILITY.

EDUC-3613 Methods in Elementary Natural Science **3 Credits**
DEMONSTRATION AND APPLICATION IN DEVELOPING TEACHING METHODS WITHIN PHYSICAL SCIENCE, LIFE SCIENCE, EARTH AND SPACE SCIENCE, AND ENGINEERING DESIGN USING THE THREE DIMENSIONS: 1) SCIENCE AND ENGINEERING PRACTICES, 2) CROSS-CUTTING CONCEPTS, AND 3) DISCIPLINARY CORE IDEAS. STUDENTS PLAN INSTRUCTION INCLUDING GOALS, MATERIALS, LEARNING ACTIVITIES AND ASSESSMENTS FOR DIVERSE STUDENT POPULATIONS, INCLUDING VARIOUS INSTRUCTIONAL PRACTICES AND DIFFERENTIATION. CLASS ACTIVITIES UTILIZE PROFESSIONAL LEA

EDUC-3713 Methods in Elementary Social Studies **3 Credits**
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO USE MATERIALS AND UNDERSTAND THE PROCEDURES FOR TEACHING HISTORY, CIVICS, GEOGRAPHY SKILLS, CURRENT EVENTS, EARLY ECONOMICS AND ANTHROPOLOGY CONCEPTS. SPECIAL EMPHASIS WILL BE PLACED ON USING LITERACY STRATEGIES IN ORDER TO CONVEY SOCIAL STUDIES CONTENT AND USING THE INQUIRY PROCESS AND HANDS-ON ACTIVITIES TO FACILITATE DIVERSE ELEMENTARY STUDENT LEARNING.

EDUC-3753 Methods in Early Childhood Education **3 Credits**
TEACHER CANDIDATES WILL PLAN LEARNING ACTIVITIES TO DEMONSTRATE THEIR UNDERSTANDING OF THE DIVERSE FACTORS CONCERNING THE GROWTH, DEVELOPMENT AND LEARNING OF CHILDREN IN EARLY CHILDHOOD EDUCATION. CURRICULUM FOCUS WILL BE CENTERED UPON AGE AND DEVELOPMENTALLY APPROPRIATE CURRICULAR CONTENT AND TEACHING MATERIALS FOR YOUNG CHILDREN. TEACHER CANDIDATES WILL APPLY KNOWLEDGE OF BUILDING RELATIONSHIPS WITH FAMILIES TO GAIN INSIGHT TO THE VARIOUS LEARNING AND DEVELOPMENTAL NEEDS OF CHILDREN.

EDUC-3812 Policy and Procedures in Special Education **2 Credits**
THIS COURSE WILL EXAMINE FEDERAL AND STATE SPECIAL EDUCATION LEGISLATION, REGULATIONS, POLICY, AND PROCEDURE. EMPHASIS WILL BE GIVEN TO RIGHTS OF INDIVIDUALS WITH DISABILITIES AND THEIR FAMILIES.

EDUC-3823 Introduction to Students With Mild Disabilities **3 Credits**
THIS COURSE WILL EXPLORE THE PHILOSOPHICAL AND HISTORICAL FOUNDATIONS OF SPECIAL EDUCATION FOR STUDENTS WITH MILD DISABILITIES, CHARACTERISTICS OF STUDENTS WITH MILD DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES IN THE FIELD OF SPECIAL EDUCATION.

EDUC-3833 Introduction to Students With Moderate Disabilities **3 Credits**
THIS COURSE WILL EXPLORE THE PHILOSOPHICAL AND HISTORICAL FOUNDATIONS OF SPECIAL EDUCATION FOR STUDENTS WITH MODERATE DISABILITIES, CHARACTERISTICS OF STUDENTS WITH MODERATE DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES IN THE FIELD OF SPECIAL EDUCATION.

EDUC-4013 Practical Strategies and Idea for Behavior Disorders **3 Credits**
THIS COURSE WILL EXPLORE CHARACTERISTICS AND IDEA PROCEDURES FOR IDENTIFYING STUDENTS WITH BEHAVIOR DISORDERS IN EDUCATIONAL SETTINGS. THIS COURSE WILL ALSO PREPARE THOSE WORKING WITH STUDENTS TO MANAGE BEHAVIOR IN SPECIAL AND GENERAL EDUCATION CLASSROOMS. PRACTICAL STRATEGIES AND INTERVENTIONS FOR INCREASING APPROPRIATE BEHAVIORS AND DECREASING INAPPROPRIATE BEHAVIORS WILL BE DISCUSSED. DISCIPLINE REGULATIONS OF IDEA INCLUDING MANIFESTATION DETERMINATION, ALTERNATIVE PLACEMENT, AND IEP'S WILL B

EDUC-4033 Microcomputers in Education **3 Credits**
DESIGNED FOR EDUCATORS WITH MINIMAL EXPERIENCE USING COMPUTERS. STUDENTS WILL PARTICIPATE IN GUIDED EVALUATION OF SOFTWARE, AND PLAN FOR IMPLEMENTATION OF COMPUTER ASSISTED LEARNING ACTIVITIES IN THE CLASSROOM.

EDUC-4042 Strategies for Effective Teaching in Elementary and Early Childhood Education 2 Credits
TEACHER CANDIDATES DEVELOP LESSON PLANS, INSTRUCTIONAL OBJECTIVES, AND EVALUATION TECHNIQUES TO MEET THE LEARNING NEEDS OF DIVERSE CLASSROOM POPULATIONS. Required Previous: EDUC-2012

EDUC-4052 Effective Teaching in Secondary Education 2 Credits
SECONDARY TEACHER CANDIDATES DEVELOP LESSON PLANS, INSTRUCTIONAL OBJECTIVES, AND EVALUATION TECHNIQUES TO MEET THE LEARNING NEEDS OF DIVERSE SECONDARY CLASSROOM POPULATIONS. Required Previous: EDUC-2012

EDUC-4112 Guidance of Exceptional Children 2 Credits
THIS COURSE WILL EXAMINE FAMILY SYSTEMS THEORY FOR STUDENTS WITH MILD/MODERATE DISABILITIES FROM BIRTH TO 21 YEARS OF AGE. COLLABORATIVE STRATEGIES, TEAMING, CONSULTATION, AND RESOURCES WILL BE EMPHASIZED.

EDUC-4133 Methods in Teaching the Mentally Retarded and Physically Disabled 3 Credits
A STUDY OF POLICY AND PROCEDURES IN SPECIAL EDUCATION AND CURRICULAR CONTENT, TEACHING METHODS AND LEARNING CHARACTERISTICS OF CHILDREN WITH MENTAL RETARDATION AND PHYSICAL DISABILITIES. Required Previous: EDUC-4513

EDUC-4233 Teaching in the Middle School/Junior High School 3 Credits
AN ORIENTATION TO INSTRUCTIONAL PROGRAMS AND PROCESSES IN MIDDLE SCHOOLS AND JUNIOR HIGH SCHOOLS.

EDUC-4262 Student Teaching Seminar I Assessment and Professional Learning 2 Credits
DURING THIS SEMINAR COURSE THE TEACHER WORK SAMPLE WILL BE COMPLETED. Required Previous or Concurrent: Take EDUC-4282

EDUC-4282 Student Teaching Seminar II Classroom Management 2 Credits
THEORY AND PRACTICE RELATED TO CLASSROOM MANAGEMENT, TEACHER EVALUATIONS, AND PROBLEMS AND ISSUES ENCOUNTERED IN STUDENT TEACHING. Required Previous: Take EDUC-4611

EDUC-4413 Clinical Practices in Remedial Reading I 3 Credits
EDUCATIONAL DIAGNOSIS, REMEDIAL TEACHING, AND INDIVIDUAL COUNSELING IN CASES INVOLVING READING DEFICIENCY. DIRECT LABORATORY WORK WITH PUPILS IN PUBLIC SCHOOLS. Required Previous: EDUC-3463 or EDUC-3483 or department approval

EDUC-4513 Children With Physical Disabilities 3 Credits
A SURVEY OF VARIOUS PHYSICALLY DISABLING CONDITIONS THAT AFFECT CHILDREN'S PLACEMENT AND PROGRAMMING. EMPHASIS WILL BE GIVEN TO PHYSICAL AND EDUCATIONAL TECHNIQUES WHICH MAY BE USED IN MEETING THE NEEDS OF CHILDEN WITH SUCH CONDITIONS. Required Previous: EDUC-2402

EDUC-4611 Field Experience III 1 Credit
TWENTY-FIVE HOURS OF PUBLIC SCHOOL CLASSROOM EXPERIENCE WITH THE TEACHER CANDIDATE OBSERVING REGULAR CLASSROOM EVENTS IN GENERAL AND SPECIFICALLY THOSE RELATED TO TOPICS COVERED IN EDUC 4042 STRATEGIES FOR EFFECTIVE TEACHING OR EDUC 4052 EFFECTIVE TEACHING STRATEGIES IN SECONDARY EDUCATION. Required Previous: EDUC-2012

EDUC-4632 Educational Technology Integration Strategies 2 Credits
THIS COURSE INCLUDES INCORPORATION OF TECHNOLOGY INSTRUCTION, DIGITAL COMMUNICATION AND ONLINE CLASSROOM MATERIALS GIVING TEACHER CANDIDATES OPPORTUNITIES TO INCORPORATE BOTH DIGITAL AND ONLINE RESOURCES AS INSTRUCTIONAL TOOLS. TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY UNDERSTANDINGS OF BOTH DIGITAL AND ONLINE RESOURCES IN USING TECHNOLOGY FOR ENHANCEMENT AND DIFFERENTIATION OF INSTRUCTIONAL STRATEGIES FOR DIVERSE STUDENT LEARNING POPULATIONS. Required Previous or Concurrent: EDUC-4611

EDUC-4642 Methods of Teaching Transitional Skills 2 Credits
THIS COURSE WILL EXPLORE METHODS AND STRATEGIES USED TO PREPARE STUDENTS WITH MILD/MODERATE DISABILITIES FOR TRANSITION FROM SCHOOL TO COMMUNITY LIFE. EMPHASIS WILL BE GIVEN TO RESEARCH-BASED INSTRUCTION, MODEL PROGRAMS, AND EFFECTIVE METHODS. Required Previous: EDUC-3823

EDUC-4713 Assessment and Program Developement 3 Credits
STUDENTS WILL GAIN A BASIC UNDERSTANDING OF ASSESSMENT, DIAGNOSIS AND EVALUATION PROCEDURES USED IN SPECIAL EDUCATION. EMPHASIS WILL BE GIVEN TO APPROPRIATE UTILIZATION OF ASSESSMENT, LEGAL ISSUES SURROUNDING ASSESSMENT, AND USING ASSESSMENT RESULTS TO PLAN INDIVIDUALIZED EDUCATION PROGRAMS.

EDUC-4723 Methods of Teaching Children With Mild/Moderate Disabilities 3 Credits
THIS COURSE WILL EXPLORE METHODS AND STRATEGIES USED TO EDUCATE STUDENTS WITH MILD/MODERATE DISABILITIES BIRTH THROUGH 21 ACROSS EDUCATIONAL ENVIRONMENTS. EMPHASIS WILL BE GIVEN TO RESEARCH-BASED INSTRUCTIONAL AND REMEDIAL METHODS, TECHNIQUESS, AND CURRICULUM MATERIALS AND CLASSROOM MANAGEMENT THEORY.

EDUC-4813 Nature and Characteristics of Children With Mental Retardation 3 Credits
COMPREHENSIVE STUDY OF MENTAL RETARDATION INCLUDING THE HISTORY, CLASSIFICATION SYSTEMS, ETIOLOGIES AND SYNDROMES, THEORETICAL APPROACHES TO AND EDUCATIONAL PROGRAMS FOR CHILDREN WITH MENTAL RETARDATION. Required Previous: EDUC-2402

EDUC-4921 Practicum and Procedures for Mild/Moderate Disabilities 1 Credit
CAMPUS SEMINARS AND SUPERVISED EDUCATION FIELD EXPERIENCES WITH STUDENTS WITH MILD/MODERATE DISABILITIES IN THE CLASSROOM. STUDENTS WILL EXPLORE AND OBSERVE COMMON EDUCATIONAL PRACTICES FOR STUDENTS WITH MILD/MODERATE DISABILITIES.

EDUC-4951 Supervised Student Teaching in Elementary Schools 1 Credit
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4952 Supervised Student Teaching in Elementary Schools 2 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4953 Supervised Student Teaching in Elementary Schools 3 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4954 Supervised Student Teaching in Elementary Schools 4 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4955 Supervised Student Teaching in Elementary Schools 5 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4956 Supervised Student Teaching in Elementary Schools 6 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4957 Supervised Student Teaching in Elementary Schools 7 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4958 Supervised Student Teaching in Elementary Schools 8 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4959 Supervised Student Teaching in Elementary Schools 9 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4961 Supervised Student Teaching in Grades Pk Through Twelve 1 Credit
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4962 Supervised Student Teaching in Grades Pk Through Twelve 2 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4963 Supervised Student Teaching in Grades Pk Through Twelve 3 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4964 Supervised Student Teaching in Grades Pk Through Twelve 4 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4965 Supervised Student Teaching in Grades Pk Through Twelve 5 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4966 Supervised Student Teaching in Grades Pk Through Twelve 6 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4967 Supervised Student Teaching in Grades Pk Through Twelve 7 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4968 Supervised Student Teaching in Grades Pk Through Twelve 8 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4969 Supv Stu Tchg Grades Pk-12 9 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4971 Supv Stu Tchg in Sec Schls 1 Credit
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SCEONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4972 Supv Stu Tchg in Sec Schls **2 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4973 Supv Stu Tchg in Sec Schls **3 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4974 Supv Stu Tchg in Sec Schls **4 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4975 Supv Stu Tchg in Sec Schls **5 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262;

EDUC-4976 Supv Stu Tchg in Sec Schls **6 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4977 Supv Stu Tchg in Sec Schls **7 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4978 Supv Stu Tchg in Sec Schls **8 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4979 Supv Stu Tchg in Sec Schls **9 Credits**
A SUPERVISED PROFESIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4982 Seminar in Education **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4983 Seminar in Education **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4984 Seminar in Education **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4991 Individual Study in Education **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4992 Individual Study in Education **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4993 Individual Study in Education **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4994 Individual Study in Education **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-5003 Multimedia Technology **3 Credits**
THE COURSE WILL COVER THEORY AND APPLICATION OF DIGITAL MEDIA IN THE PUBLIC SCHOOL CLASSROOM. DESIGN AND PRODUCTION OF MATERIALS INCLUDING SOUND RECORDING/EDITING, VIDEO RECORDING/EDITING, GRAPHIC SCANNING/EDITING, WEB PAGE DEVELOPMENT, AND DISTRIBUTION OF DIGITAL MATERIALS.

EDUC-5013 Adv Education Technology Strategies **3 Credits**
THIS COURSE FOCUSES ON KNOWLEDGE AND SKILLS IN THE SELECTION AND INTEGRATION OF CURRENT TECHNOLOGIES TO SUPPORT TEACHING AND LEARNING. AN EMPHASIS IS PLACED ON 21ST CENTURY EDUCATION AND THE DEVELOPMENT OF DIGITAL LEARNING ENVIRONMENTS.

EDUC-5023 Educational Aspects of Exceptional Child **3 Credits**
THIS COURSE IS AN IN-DEPTH STUDY OF CHILDREN WHO HAVE SIGNIFICANT EDUCATIONAL, INTELLECTUAL, BEHAVIORAL OR PHYSICAL CHARACTERISTICS WHICH ADVERSELY AFFECT THEIR EDUCATIONAL PERFORMANCE. EMPHASIS WILL BE GIVEN TO EDUCATIONAL METHODS AND LEGAL ISSUES IN WORKING WITH THESE CHILDREN. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5033 Nature & Curricular Needs Mid-Lvl Lrnr **3 Credits**
AN INTRODUCTION TO THE MIDDLE SCHOOL CONCEPT THAT EMPHASIZES THE DEVELOPMENT NEEDS OF EARLY ADOLESCENTS IN THE CONTEXT OF PATTERNS OF SCHOOL ORGANIZATION, CURRICULUM AND PEDAGOGY THAT ARE RESPONSIVE TO THE INTELLECTUAL, SOCIAL, EMOTIONAL, AND PHYSICAL NEEDS OF PRE-ADOLESCENTS (10-14 YRS OLD). EXEMPLARY PRACTICE SUPPORTIVE OF ADOLESCENT NEEDS AND CHANGES WILL BE IDENTIFIED INCLUDING CASE STUDIES AND CLINICAL/LABORATORY EXPERIENCES Required Previous: 100 hours or Graduate Standing

EDUC-5042 Parenting Issues in Special Ed **2 Credits**
THIS COURSE WILL EXPLORE THE STRUCTURE AND CHARACTERISTICS OF FAMILIES OF STUDENTS WITH DISABILITIES. EMPHASIS WILL BE PLACED ON PARENT-EDUCATOR COOPERATION, CONSULTATION, AND RESOURCES. Required Previous: EDUC-3463 or EDUC-3483

EDUC-5053 The Middle Sch: Philosophy & Organiz **3 Credits**
A STUDY OF MIDDLE LEVEL PHILOSOPHICAL TENETS AND EXEMPLARY COMPONENTS AND PROGRAMS UTILIZED IN CREATING A TOTAL LEARNING ENVIRONMENT EFFECTIVE FOR THE PREADOLESCENT LEARNER (10-14).

EDUC-5062 Superintendent Adminstration Practicum I **2 Credits**
AN INSTRUCTIONAL MENTORSHIP PROGRAM REQUIRING THE SUPERINTENDENT CANDIDATE TO DEVELOP EXPERIENTIAL-BASED SKILLS, PRESENTED BY THE INSTRUCTOR AS DESIGNED BY THE PROGRAM DIRECTOR UNDER THE GUIDANCE FROM PRACTICING SCHOOL SUPERINTENDENT (WITH NO LESS THAN THREE (3) YEARS' EXPERIENCE IN THAT JOB DESCRIPTION.) A CAPSTONE EXPERIENCE BASED ON NELP STANDARDS FOR DISTRICT-LEVEL EDUCATIONAL LEADERSHIP IS REQUIRED ALONG WITH DOCUMENTED INTERN HOURS AND CORRESPONDING KNOWLEDGE AND SKILLS-BASED REFLECTION AR

EDUC-5072 Superintendent Adminstration Practicum II **2 Credits**
AN INSTRUCTIONAL MENTORSHIP PROGRAM REQUIRING THE SUPERINTENDENT CANDIDATE TO DEVELOP EXPERIENTIAL-BASED SKILLS, PRESENTED BY THE INSTRUCTOR AS DESIGNED BY THE PROGRAM DIRECTOR UNDER THE GUIDANCE FROM PRACTICING SCHOOL SUPERINTENDENT (WITH NO LESS THAN THREE (3) YEARS' EXPERIENCE IN THAT JOB DESCRIPTION.) A CAPSTONE EXPERIENCE BASED ON NELP STANDARDS FOR DISTRICT-LEVEL EDUCATIONAL LEADERSHIP IS REQUIRED ALONG WITH DOCUMENTED INTERN HOURS AND CORRESPONDING KNOWLEDGE AND SKILLS-BASED REFLECTION AR

EDUC-5082 Special Education Assistive Tech **2 Credits**
THIS COURSE WILL FOCUS ON PROVIDING TEACHER INSTRUCTION IN THE PEDAGOGY OF ASSISTIVE TECHNOLOGY. THE COURSE WILL ENABLE TEACHERS TO BE AWARE OF THE NEEDS OF THEIR STUDENTS WITH DISABILITIES AND HOW TECHNOLOGY ADVANCES CAN ASSIST THEM TO BETTER REACH THEIR POTENTIAL. TEACHERS WILL ACQUIRE SKILLS IN SELECTING SOFTWARE AND INTEGRATING ASSISTIVE TECHNOLOGY INTO INSTRUCTIONAL MODELS. Required Previous or Concurrent: EDUC-3463 or EDUC-3483

EDUC-5093 Ident of and Strt for Stu W/Beh Dis **3 Credits**
THIS COURSE WILL EXPLORE CHARACTERISTICS AND IDEA PROCEDURES FOR IDENTIFYING STUDENTS WITH BEHAVIOR DISORDERS IN EDUCATIONAL SETTINGS. THIS COURSE WILL ALSO PREPARE THOSE WORKING WITH STUDENTS TO MANAGE BEHAVIOR IN SPECIAL AND GENERAL EDUCATION CLASSROOMS. VARIOUS THEORETICAL APPROACHES FOR MANAGING GROUP AND INDIVIDUAL BEHAVIORS AND THEIR RELEVANT MANAGEMENT STRATEGIES WILL BE DISCUSSED (I.E. PBIS). SPECIFIC METHODS FOR IDENTIFYING AND DOCUMENTING BEHAVIORAL CONCERNS (I.E. FBA'S) AND INTERVENTI

EDUC-5103 Students With Mild & Moderate Disorders **3 Credits**
THIS COURSE STUDIES EVIDENCE- AND RESEARCH-BASED STRATEGIES FOR PROMOTING ACADEMIC AND FUNCTIONAL SKILL DEVELOPMENT OF STUDENTS WITH MILD/MODERATE DISABILITIES. COURSE INCLUDES PRINCIPLES AND PROCEDURES FOR PROMOTING SUCCESSFUL TRANSITIONS FOR STUDENTS, AND COLLABORATION AND COMMUNICATION PRACTICES WITH THE SCHOOL, COMMUNITY, AND FAMILY INVOLVEMENT ARE ADDRESSED. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5113 Techniques of Research **3 Credits**
INTRODUCES STUDENTS TO THE THEORY OF EDUCATIONAL RESEARCH BY DEVELOPING COMPETENCIES IN LITERATURE REVIEW, LIBRARY RESEARCH, DATA ANALYSIS, RESEARCH WRITING, AND DEVELOPING PLANS FOR APPLIED OR ACTION RESEARCH. THIS COURSE WILL CONSIDER THE ETHICS OF RESEARCH WITH HUMAN SUBJECTS.

EDUC-5133 Modern Philosophies of Education **3 Credits**
CURRENT EDUCATIONAL PHILOSOPHIES WITH SPECIAL EMPAHSIS ON THOSE OF THE UNITED STATES, PROVIDES FOR UNDERSTANDING OF MODERN EDUCATION PRACTICES.

EDUC-5143 Clinical & Clsrm Practices in Rdg **3 Credits**
STUDY OF CLINICAL AND CLASSROOM MANAGEMENT TECHNIQUES FOR DIAGNOSING AND REMEDIATING READING PROBLEMS. INVOLVES IDENTIFYING AND USING COMPUTER TECHNOLOGY IN FIELD EXPERIENCES WITH DIFFERENT LEARNERS FOR DIFFERENT PURPOSES.

EDUC-5163 Adv Methods for Mild/Moderate Disorders **3 Credits**
THIS COURSE WILL EXPLORE THE APPROACHES TO PLANNING AND DESIGNING EDUCATIONAL PROGRAMS FOR STUDENTS WITH MILD/MODERATE DISABILITIES. COURSE INCLUDES STRATEGIES FOR CLASSROOM ACCOMMODATIONS AND MODIFICATIONS, INDIVIDUALIZED EDUCATION PROGRAM GOAL IMPLEMENTATION FOR IMPROVING LANGUAGE DEVELOPMENT AND COMMUNICATION SKILLS, READING, AND MATHEMATICS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5173 Fundamentals of Curriculum **3 Credits**
CURRICULUM EVALUATION, DEVELOPMENT, CURRENT ISSUES, AND TRENDS TO ELEMENTARY, MIDDLE/JUNIOR HIGH, AND HIGH SCHOOLS.

EDUC-5183 Contemporary Issues in Ed **3 Credits**
AN INVESTIGATION OF CURRENT SOCIAL, POLITICAL, ECONOMIC, AND CULTURAL ISSUES RELATED TO EDUCATION, THEIR IMPACT ON THE SCHOOL, AND THEIR IMPLICATIONS FOR TEACHING.

EDUC-5223 Adv Tchg Trnstnl Skills **3 Credits**
THIS COURSE WILL EXPLORE METHODS OF TRANSITION PLANNING APPROPRIATE FORSTUDENTS WITH MILD/MODERATE DISABILITIES. EMPHASIS WILL BE GIVEN TO EFFECTIVE PRACTICES, CURRENT RESEARCH, AND MODEL PROGRAMS. Required Previous or Concurrent: EDUC-3463 or EDUC-3483

EDUC-5233 Survey of Teaching Reading **3 Credits**
THIS COURSE SURVEYS THE READING PROCESS WITH AN EMPHASIS GIVEN TO LANGUAGE DEVELOPMENT, WORD RECOGNITION SKILLS, COMPREHENSION SKILLS, AND STUDY SKILLS. PSYCHOLOGICAL READING THEORY AND VARIOUS APPROACHES TO TEACHING THE SCIENCE OF READING COMPONENTS ARE DISCUSSED WITH OPPORTUNITIES TO MANIPULATE READING MATERIALS.

EDUC-5243 Diagnosis of Reading Difficulties **3 Credits**
ADMINISTRATION, INTERPRETATION, AND APPLICATION OF STANDARDIZED AND INFORMAL DIAGNOSTIC INSTRUMENTS. PREPARATION OF CASE STUDY REPORTS AND TECHNIQUES DEALING WITH INTERVIEWS AND READING CONFERENCE PROCEDURES. THEORY AND DEMONSTRATION OF TESTS INTENDED TO APPRAISE LEVELS OF COMPETENCE IN GROUP AND INDIVIDUAL SETTINGS.

EDUC-5253 Research & Instruction: Elem Math **3 Credits**
THIS COURSE IS DESIGNED TO EXPLORE TOPICS RELATED TO MATHEMATICS INSTRUCTION INCLUDING: CURRENT CONTENT STANDARDS, RESEARCH, DIFFERENTIATED INSTRUCTION, LESSON PLANNING, MATHEMATICS INSTRUCTIONAL TECHNOLOGY, LEARNING AIDS AND INQUIRY BASED LEARNING. AN ACTION RESEARCH PROJECT IS REQUIRED. Required Previous: EDUC-3513

EDUC-5263 Research & Instruction: El Lang Arts **3 Credits**
REVIEW OF LANGUAGE ARTS RESEARCH AND EXPERIMENTATION WITH VARIOUS MODELS AND MATERIALS TO AID IN TEACHING LANGUAGE ARTS SKILLS TO CHILDREN.

EDUC-5273 Research & Instruction: Elem Soc Stu **3 Credits**
AN EXAMINATION OF SOCIAL STUDIES PROGRAMS AND A REVIEW OF RESEARCH OF CONTENT MATERIALS AND TEACHING TECHNIQUES. Required Previous: EDUC-3713

EDUC-5283 Practicum & Portfolio in Reading **3 Credits**
DIAGNOSING READING DIFFICULTIES AND TREATMENT OF READING PROBLEMS AS EXPERIENCED IN CLINICAL & CLASSROOM SITUATIONS. THE SUPERVISED PRACTICAL EXPERIENCES ARE CONTROLLED IN CERTAIN INSTANCES IN ORDER TO AFFORD THE STUDENTS EXPOSURE TO RESEARCH METHODS & PROCEDURES. EMPHASIS WILL BE DIRECTED TO PROVIDE AMPLE OPPORTUNITIES FOR INTERACTION W/STUDENTS EXPERIENCING READING DIFFICULTIES. A PROGRAM PORTFOLIO WILL ALSO BE SUBMITTED AND REVIEWED ACCORDING TO DEPARTMENTAL GUIDELINES.

EDUC-5303 Reading Instruction in Content Areas **3 Credits**
EMPHASIS IS PLACED ON MATERIALS, METHODOLOGY & VOCABULARY UNIQUE TO CONTENT AREAS. SUGGESTIONS FOR TECHNIQUES BY WHICH READING SKILLS MAY BE DEVELOPED & IMPROVED IN THE INDIVIDUAL CONTENT SUBJECTS FOR STUDENTS EXPERIENCING VARIOUS LEVELS OF ACHIEVEMENT. ATTENTION GIVEN TO THE INFLUENCE OF READING UPON THE STUDENT'S CONTINUING ACADEMIC PROGRAM REGARDLESS OF CONTENT AREA.

EDUC-5313 Research & Instruction: Elem Science **3 Credits**
EXAMINATIONS AND EVALUATIONS OF SCIENCE GOALS, TEACHING METHODS AND DESIGN OF PROGRAMS IN LIGHT OF CONTEMPORARY RESEARCH IN SCIENCE EDUCATION. Required Previous: EDUC-3613

EDUC-5323 Treatment of Reading Difficulties **3 Credits**
AN ANALYSIS OF FORMAL AND INFORMAL DIAGNOSTIC DATA WITH TREATMENT PROCEDURES FOCUSED UPON INDIVIDUAL NEEDS. INSTRUCTIONAL STRATEGIES, TIME MANAGEMENT, AND CURRENT TECHNOLOGY, RESOURCES, AND MATERIALS WILL BE DISCUSSED IN ORDER TO ASSURE THE MOST EFFECTIVE EDUCATIONAL PRACTICES. Required Previous or Concurrent: EDUC-5243

EDUC-5333 Legal Aspects of Special Education **3 Credits**
THIS COURSE WILL EXPLORE THE LEGAL ASPECTS OF SPECIAL EDUCATION INCLUDING FORMULATION OF POLICIES AND PROCEDURES AND PROGRAM DEVELOPMENT. EMPHASIS WILL BE GIVEN TO INDIVIDUAL RIGHTS, SCHOOL RESPONSIBILITY AND DEVELOPMENT OF INDIVIDUALIZED EDUCATION PLANS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5342 Supervised Portfolio Research **2 Credits**
THE PURPOSE OF THIS COURSE IS TO ASSIST STUDENTS IN THE FORMATION AND DEVELOPMENT OF A PROFESSIONAL PORTFOLIO ACCORDING TO THE DEPARTMENTAL GUIDELINES. CONTINOUS ENROLLMENT IN PROGRAM COURSEWORK OR EDUC 5681 PRACTICUM AND PORTFOLIO IN EDUCATION IS REQUIRED UNTIL A PORTFOLIO ACCEPTABLE TO THE PORTFOLIO COMMITTEE IS PRESENTED. ONLY ONE HOUR OF EDUC 5681 PRACTICUM AND PORTFOLIO IN EDUCATION MAY BE COUNTED TOWARD THE DEGREE. Required Previous: EDUC-5113

EDUC-5353 Adv Assessment & Prog Dev **3 Credits**
STUDENTS WILL GAIN A BASIC UNDERSTANDING OF ASSESSMENT, DIAGNOSIS AND EVALUATION PROCEDURES USED IN SPECIAL EDUCATION. EMPHASIS WILL BE GIVEN TO APPROPRIATE UTILIZATION OF ASSESSMENT, ISSUES SURROUNDING ASSESSMENT (I.E. STUDENTS WITH CULTURALLY AND LINGUISTICALLY DIVERSE BACKGROUNDS), AND USING ASSESSMENT RESULTS TO PLAN INDIVIDUALIZED EDUCATION PROGRAMS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5363 Principles of Instructional Design **3 Credits**
THIS COURSE PRESENTS THE CONCEPTS, PRINCIPLES AND METHODS FOR DESIGNING EFFECTIVE INSTRUCTION. TOPICS STUDIED INCLUDE ALIGNING INSTRUCTION TO STANDARDS, DEVELOPING INSTRUCTIONAL OBJECTIVES, PLANNING INSTRUCTIONAL ACTIVITIES, DESIGNING INSTRUCTIONAL MATERIALS, ASSESSING LEARNING OUTCOMES, AND EVALUATING INSTRUCTIONAL EFFECTIVENESS.

EDUC-5373 Nature Ind W/ Low Incident Disabilities **3 Credits**
THIS COURSE WILL EXPLORE THE PHILISOPHICAL AND HISTORICAL FOUNDATIONS OF SPECIAL EDUCATION FOR STUDENTS WITH SEVERE DISABILIITES, CHARACTERISTICS OF STUDENTS WITH SEVER DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES IN THE FIELD OF SPECIAL EDUCATION. Required Previous: EDUC-2402

EDUC-5383 Interactve Learning Methd in Distance Ed **3 Credits**
THIS COURSE PRESENTS A CONCEPTUAL FRAMEWORK FOR LEARNING AND TEACHING AT A DISTANCE. THE COURSE TOPICS OF STUDY INCLUDE THE CHARACTERISTICS OF DISTANCE EDUCATION, PRINCIPLES OF COURSE DESIGN, THE ROLE OF THE TEACHER AS FACILITATOR, THE ROLE OF THE LEARNER AS ACTIVE PARTICIPANT, AND GUIDELINES FOR IMPROVING THE QUALITY OF DISTANCE LEARNING.

EDUC-5393 Educational Statistics **3 Credits**
BASIC PRINCIPLES OF ORGANIZATION AND TREATMENT OF STATISTICAL DATA.

EDUC-5403 The Workkstation Operating Sys in Educ **3 Credits**
THIS COURSE MEETS THE STANDARDS FOR DESKTOP AND NETWORK RECOGNIZED INDUSTRY CERTIFICATION IN CURRENT OPERATING SYSTEMS. THE COURSE PRESENTS MATERIALS AND CURRICULUM FOR THE CERTIFIED PROFESSIONAL PROGRAM. STUDENTS WILL USE THE WORKSTATION OPERATING SYSTEM IN TEACHING AND LEARNING ENVIRONMENTS.

EDUC-5413 Introduction to School Counseling & Ethical Practices **3 Credits**
INTRODUCTION TO THE PRINCIPLES, PRACTICES AND PHILOSOPHY OF SCHOOL COUNSELING, INCLUDING ROLE AND FUNCTION OF A SCHOOL COUNSELOR WITHIN A SCHOOL SETTING DRAWING FROM A THEORETICAL AND DEVELOPMENTAL PERSPECTIVE. EXAMINES ALL ASPECTS OF PROFESSIONAL FUNCTIONING: HISTORICAL DEVELOPMENT, ORGANIZATIONAL STRUCTURE AND CREDENTIALING, AND STANDARDS. PRESENTS A DEFINITION AND DESCRIPTION OF A COMPREHENSIVE SCHOOL COUNSELING PROGRAM. FOCUSES ON ETHICS PRACTICES AND RESPONSIBILITIES OF SCHOOL COUNSELORS.

EDUC-5453 Developmental School Counseling **3 Credits**
THIS COURSE COVERS ORGANIZATION, PLANNING, MANAGEMENT, AND EVALUATION OF COMPREHENSIVE SCHOOL COUNSELING PROGRAMS. APPROPRIATE ROLES AND FUNCTIONS OF SCHOOL COUNSELORS, COORDINATION OF PROFESSIONAL SERVICES, AND PROFESSIONAL ETHICAL CODES SPECIFICALLY RELATING TO SCHOOL COUNSELING. CANDIDATES WILL DESIGN A COMPREHENSIVE SCHOOL COUNSELING PROGRAM FOR A SPECIFIC SCHOOL SETTING, PREPARE GUIDANCE AND COUNSELING UNITS AND SAMPLE LESSON PLANS, AND IMPLEMENT THESE UNITS IN SCHOOLS. CANDIDATES WILL INTE Required Previous: EDUC-5413

EDUC-5483 School Counseling Intervention Strategies **3 Credits**
THE COURSE ENABLES SCHOOL COUNSELORS TO DEVELOP COUNSELING INTERVENTION STRATEGIES TO ASSIST STUDENTS, OTHER COUNSELORS, TEACHERS, ADMINISTRATORS, AND OTHER SCHOOL PERSONNEL. COUNSELING INTERVENTION STRATEGIES INCLUDE METHODS TO HELP STUDENTS IMPROVE ACADEMIC, CAREER, AND PERSONAL/SOCIAL SKILLS. INTERVENTION STRATEGIES INCLUDE REFLECTION AND MODIFICATION RELATED TO MULTICULTURAL AND ETHICAL CONCERNS. Required Previous or Concurrent: EDUC-5493

EDUC-5493 Practicum and Capstone in School Counseling **3 Credits**
PLACEMENT IS IN AN ELEMENTARY OR SECONDARY (MIDDLE OR HIGH) SCHOOL SETTING WHERE THE PRACTICUM AND CAPSTONE WILL BE COMPLETED WHILE SUPERVISED BY A CERTIFIED SCHOOL COUNSELOR. HOURS: 150 CLOCK HOURS DURING THE 16-WEEK SEMESTER, INCLUDING AT LEAST 75 DIRECT SERVICE HOURS (E.G., INDIVIDUAL STUDENT PLANNING, STUDENT ASSESSMENT, INDIVIDUAL AND GROUP COUNSELING, CLASSROOM GUIDANCE AND/OR PSYCHOEDUCATIONAL ACTIVITIES, ETC.). THE REMAINING 75 NON-DIRECT SERVICE HOURS INCLUDE OBSERVATIONS, MAINTAINING C Required Previous or Concurrent: EDUC-5483

EDUC-5503 Public School Organization **3 Credits**
STUDY OF THE ORGANIZATION, STRUCTURE, AND POLITICS OF AMERICAN PUBLIC EDUCATION.

EDUC-5513 Supervision of Instruction **3 Credits**
APPLICATION OF LEADERSHIP THEORY TO CLINICAL SUPERVISION, EXAMINATION OF THE ADMINISTRATOR'S ROLE AS AN INSTRUCTIONAL LEADER, EVALUATION OF INSTRUCTIONAL APPROACHES AND PROGRAMS, PRACTICES AND PROCEDURES OF CLINICAL SUPERVISION.

EDUC-5523 School Plant Management **3 Credits**
STUDY OF THE MANAGEMENT OF PUBLIC SCHOOL FACILITIES, PLANNING AND DEVELOPMENT, OPERATION AND MAINTENANCE, AND FISCAL SYSTEM PRINCIPLES.

EDUC-5533 Fundamentals of Public School Admin **3 Credits**
BASIC PRINCIPLES AND PRACTICES IN MODERN SCHOOL ADMINISTRATION INCLUDING: HOW TO LEAD COLLABORATIVELY A SCHOOL THROUGH MISSION, VISION, AND SCHOOL IMPROVEMENT; ADVOCATING FOR ETHICAL DECISIONS AND CULTIVATE PROFESSIONAL NORMS; USING DATA TO DRIVE DECISIONS THAT ARE EQUITABLE, INCLUSIVE AND CULTURALLY RESPONSIVE; ENGAGING ALL STAKEHOLDERS TO STRENGTHEN AND ADVOCATE FOR THE NEEDS OF STAKEHOLDERS IN THE SCHOOL AND COMMUNITY; AND PROVIDING FOR A COLLABORATIVE PROFESSIONAL CULTURE. ASSIGNMENTS IN COU

EDUC-5553 School Public Relations **3 Credits**
A DETAILED COMPREHENSIVE PRESENTATION OF THE METHODS AND MEDIA FOR BUILDING AND SUSTAINING GOOD PUBLIC RELATIONS FOR PUBLIC EDUCATIONAL INSTITUTIONS.

EDUC-5573 Public School Finance **3 Credits**
A STUDY IN THE SOURCES OF SCHOOL FINANCE AND GENERAL PRINCIPALS OF FINANCIAL ADMINISTRATION INCLUDING SCHOOL-LEVEL GOVERNANCE AND OPERATIONS SYSTEM TO IMPROVE MANAGEMENT, COMMUNICATION, TECHNOLOGY AT THE BUILDING LEVEL. THE STUDENT WILL STUDY THE DEVELOPMENT AND IMPLEMENTATION OF DATA-INFORMED AND SCHOOL RESOURCE PLANS THAT ARE EQUITABLE AND APPLY LAWS, POLICIES, AND REGULATIONS. ASSIGNMENTS IN COURSE PROVIDE FOR CLINICAL EXPERIENCES RELATED AUTHENTIC LEADERSHIP ACTIVITIES.

EDUC-5583 Legal Aspects of Education **3 Credits**
AN EXAMINATION OF FEDERAL AND STATE CONSTITUTIONAL PROVISIONS, STATUES, JUDICIAL DECISIONS, AND AGENCY REGULATIONS THAT AFFECT EDUCATION. SPECIAL EMPHASIS ON ETHICS, PROFESSION NORMS, EQUITY, OPERATIONS, MANAGEMENT, AND BUILDING PROFESSIONAL CAPACITY THROUGH STAFF SUPERVISION, SUPPORT, AND EVALUATION AS WELL AS APPLICATION OF SCHOOL RELATED LAWS, POLICIES, AND REGULATIONS. ASSIGNMENTS IN COURSE PROVIDE FOR CLINICAL EXPERIENCES RELATED AUTHENTIC LEADERSHIP ACTIVITIES.

EDUC-5603 Survey of Intellectual Property **3 Credits**
THE SURVEY OF INTELLECTUAL PROPERTY ADDRESSES THE CONCEPTS AND TRENDS RELATED TO OWNERSHIP AND TECHNOLOGY IN NAVIGATING THE WEB, RESPECT AND INTEGRITY, DISTRIBUTION OF WORKS, ALTERNATIVES TO INTELLECTUAL PROPERTY, DOMAIN NAMES, BUSINESS METHODS PATENTS ONLINE, AND JURISDICTION.

EDUC-5623 The Principalship **3 Credits**
A STUDY OF PRINCIPAL AND BUILDING LEVEL LEADERSHIP SKILLS, KNOWLEDGE, AND APPLICATION OF P-12 SCHOOL ADMINISTRATION WITH AN EMPHASIS ON ORGANIZATIONAL STRUCTURE AND THE LEADERSHIP ROLE OF THE PRINCIPAL INCLUDING: HOW TO LEAD COLLABORATIVELY A SCHOOL THROUGH MISSION, VISION, AND SCHOOL IMPROVEMENT WITH A SET CORE OF VALUES WHICH INCLUDE DATA, TECHNOLOGY, DIGITAL CITIZEN, DIVERSITY, AND CONTINUOUS SCHOOL IMPROVEMENT; ADVOCATING FOR ETHICAL DECISIONS AND CULTIVATE PROFESSIONAL NORMS; USING DATA AND

EDUC-5631 Advanced Student Teaching **1 Credit**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5632 Advanced Student Teaching **2 Credits**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5633 Advanced Student Teaching **3 Credits**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5634 Advanced Student Teaching **4 Credits**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5643 Methods Tch Stu W/ Sev Disabi **3 Credits**
THIS COURSE WILL EXPLORE METHODS AND STRATEGIES USED TO EDUCATE STUDENTS WITH SEVERE DISABILITIES BIRTH THROUGH 21 ACROSS EDUCATIONAL ENVIRONMENTS. EMPHASIS WILL BE GIVEN TO RESEARCH-BASED EVALUATION TECHNIQUES, IEP DEVELOPMENT, INSTRUCTIONAL METHODS, TECHNIQUES AND CURRICULUM MATERIALS, AND CLASSROOM MANAGEMENT THEORY. Required Previous: EDUC-2402

EDUC-5653 Diagnosis of Learning Disabilities **3 Credits**
THE STUDY OF VARIOUS TESTS AND EVALUATION INSTRUMENTS USED IN NON-DISCRIMINATORY MULTIDISCIPLINARY EVALUATIONS AND THE INTERPRETATION OF TEST DATA ALONG WITH PRE-REFERRAL INFORMATION IN DIAGNOSING CHILDREN WHO HAVE LEARNING DISABILITIES. F (ODD YEARS),SU

EDUC-5663 Literacy Leadership and Coaching **3 Credits**
THIS COURSE WILL PROVIDE STUDENTS WITH THE MOST CURRENT UNDERSTANDING OF LITERACY CONSULTATION AND COACHING. TOPICS WILL INCLUDE LEADERSHIP FOR A SCHOOL LITERACY PROGRAM, COLLABORATION WITH TEACHERS AND OTHER PROFESSIONALS, DATA ANALYSIS, CURRICULUM ISSUES, KNOWLEDGE OF LITERACY STANDARDS, AND FACILITATION OF PROFESSIONAL DEVELOPMENT. THESE FOUNDATIONS WILL PROVIDE STUDENTS WITH EXPERIENCE IN WORKING WITH TEACHERS TO IMPROVE THEIR INSTRUCTIONAL PRACTICE AS WELL AS STUDENT ACHIEVEMENT. AN EMPHASI

EDUC-5673 Ed Planning & Intervention Lrn Disab **3 Credits**
PROCEDURES FOR PLANNING AND IMPLEMENTING A PROGRAM FOR THE EDUCATIONAL INTERVENTION FOR CHILDREN WHO HAVE BEEN DIAGNOSED WITH LEARNING DISABILITIES. INCLUDES STRATEGIES FOR CLASSROOM MODIFICATIONS, INDIVIDUALIZED PROGRAMMING, AND BEHAVIOR MANAGEMENT PLANS. Required Previous: EDUC-5653 or PSYCH-4213 or EDPSY-5353

EDUC-5681 Practicum and Portfolio in Educ **1 Credit**
DEVELOPMENT OF AN ACCEPTABLE PORTFOLIO ACCORDING TO DEPARTMENTAL GUIDELINES. THE ACCEPTABILITY OF THE PORTFOLIO WILL BE DETERMINED BY A 3 MEMBER FACULTY COMMITTEE. THIS COURSE ALSO REQUIRES DIRECT WORK IN AN EDUCATIONAL SETTING RELATED TO YOUR DEGREE FIELD. Required Previous: EDUC-5113

EDUC-5691 Thesis **1 Credit**
DEVELOPMENT OF AN ACCEPTABLE THESIS, ACCORDING TO THE DEPARTMENTAL GUIDELINES. A MAXIMUM OF 3 HOURS MAY BE COUNTED TOWARD THE DEGREE. CONTINUOUS ENROLLMENT IS REQUIRED UNTIL A THESIS ACCEPTABLE TO THE THESIS COMMITTEE AND THE GRADUATE DEAN IS PRESENTED. Required Previous: EDUC-5113

EDUC-5692 Thesis **2 Credits**
DEVELOPMENT OF AN ACCEPTABLE THESIS, ACCORDING TO THE DEPARTMENTAL GUIDELINES. A MAXIMUM OF 3 HOURS MAY BE COUNTED TOWARD THE DEGREE. CONTINUOUS ENROLLMENT IS REQUIRED UNTIL A THESIS ACCEPTABLE TO THE THESIS COMMITTEE AND THE GRADUATE DEAN IS PRESENTED. Required Previous: EDUC-5113

EDUC-5693 Thesis **3 Credits**
DEVELOPMENT OF AN ACCEPTABLE THESIS, ACCORDING TO THE DEPARTMENTAL GUIDELINES. A MAXIMUM OF 3 HOURS MAY BE COUNTED TOWARD THE DEGREE. CONTINUOUS ENROLLMENT IS REQUIRED UNTIL A THESIS ACCEPTABLE TO THE THESIS COMMITTEE AND THE GRADUATE DEAN IS PRESENTED. Required Previous: EDUC-5113

EDUC-5703 Instructional Design and Technology Capstone **3 Credits**
THIS COURSE ENGAGES COMPLETERS OF THE M.ED. INSTRUCTIONAL DESIGN AND TECHNOLOGY PROGRAM IN A CULMINATING EXPERIENCE TO EXTEND LEARNING IN A TOPIC OF RELEVANCE AND INTEREST TO EACH INDIVIDUAL STUDENT. CAPSTONE PROJECTS ARE FLEXIBLE IN NATURE BUT ARE EXPECTED TO DEMONSTRATE A SYNTHESIS AND APPLICATION OF CONCEPTS LEARNED THROUGHOUT THE PROGRAM. THE CAPSTONE PROJECT WILL BE PRESENTED TO A FACULTY COMMITTEE AND POSSIBLY OTHER AUDIENCES.

EDUC-5713 Administration of Fed Prog in Educ **3 Credits**
STUDY OF FEDERAL PROGRAMS AFFECTING PUBLIC EDUCATION, INCLUDING SPECIAL EDUCATION, DISADVANTAGED EDUCATION, INDIAN EDUCATION, IMPACT AID, NATIONAL SCHOOL LUNCH ACT, BILINGUAL EDUCATION, AND FEDERAL ENFORCEMENT OF RIGHTS OF HANDICAPPED CHILDREN.

EDUC-5723 Adv Legal Aspects of Educ **3 Credits**
ADVANCED STUDY OF THE LEGAL ASPECTS OF EDUCATION, SPECIAL EMPHASIS ON RECENT DEVELOPMENTS IN PUBLIC SCHOOL LAW.

EDUC-5733 Organizational Theory of School Administration **3 Credits**
ADVANCED STUDY OF PRINCIPLES AND PRACTICES OF ADMINISTRATIVE LEADERSHIP THEORY AND ORGANIZATIONAL CHANGE, WITH SPECIAL EMPHASIS ON ORGANIZATIONAL CLIMATE AND CULTURE.

EDUC-5743 Collaborative Learning Communities in Special Education **3 Credits**
THIS COURSE WILL EXAMINE COLLABORATIVE LEARNING COMMUNITIES ALSO DESIGNATED AS WRAP AROUND SERVICES, FOR STUDENTS WITH MILD/MODERATE DISABILITIES FROM BIRTH TO 21 YEARS OF AGE. FAMILY SYSTEMS THEORY AND STRATEGIES USED TO PREPARE STUDENTS WITH MILD/MODERATE DISABILITIES FOR TRANSITION FROM SCHOOL TO COMMUNITY LIFE WILL ALSO BE EMPHASIZED.

EDUC-5753 Differentiated Instruction for Special Education 3 Credits
THIS COURSE WILL DESIGN INSTRUCTIONAL STRATEGIES, ACCOMMODATIONS, AND MODIFICATIONS TO CURRICULUM UTILIZING DIFFERENTIATED INSTRUCTION AND UNIVERSAL DESIGN FOR LEARNING PRINCIPLES FOR STUDENTS WITH MILD/MODERATE DISABILITIES. APPLICATION OF THOSE PRINCIPLES WILL BE TO CONTENT AREAS OF READING, LANGUAGE ARTS, AND MATH. SPECIFIC EMPHASIS WILL BE ON RTI, MTSS, INCLUSION AND THE NEEDS OF STUDENTS FROM CULTURALLY AND LINGUISTICALLY DIVERSE BACKGROUNDS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOO

EDUC-5762 Capstone in Special Education 2 Credits
COURSE IS A QUALITATIVE AND QUANTITATIVE DATA ANALYSIS FOR STUDENTS WITH MILD/MODERATE DISABILITIES. STUDENT STRENGTHS AND NEEDS WILL BE IDENTIFIED AND RESEARCH- AND EVIDENCE-BASED STRATEGIES GARNERED TO IMPLEMENT AND MONITOR PROGRESS. EMPHASIS IS ON INDIVIDUAL EDUCATIONAL PROGRAM DEVELOPMENT.

EDUC-5773 Politics and Governance of American Education 3 Credits
STUDY OF THE STRUCTURE, ORGANIZATION, POLITICS, POWER GROUPS, AND MULTICULTURALISM OF PUBLIC EDUCATION.

EDUC-5783 Personnel Administration in Public Schools 3 Credits
STUDY OF BASIC PRINCIPLES AND PRACTICES OF PERSONNEL ADMINISTRATION IN PUBLIC SCHOOLS, CURRENT ISSUES INVOLVING BOTH CERTIFIED AND NON-CERTIFIED PERSONNEL.

EDUC-5793 The Superintendency 3 Credits
PRINCIPLES OF PUBLIC SCHOOL CENTRAL OFFICE ADMINSTRATION, WITH EMPHASIS ON THE LEADERSHIP ROLE OF THE SUPERINTENDENT.

EDUC-5832 Practicum and Capstone in Public School Administration 2 Credits
SUPERVISED AUTHENTIC INTERNSHIP/PRACTICUM AND CAPSTONE EXPERIENCES IN AN APPROVED PUBLIC SCHOOL ADMINISTRATION ENVIRONMENT UNDER THE SUPERVISION OF A KNOWLEDGEABLE EXPERT IN EDUCATIONAL LEADERSHIP AT THE BUILDING LEVEL. STUDENTS WILL COMPLETE AUTHENTIC, COHERENT, AND SUSTAINED ACTIVITIES AND HOURS ALIGNED TO CURRENT PROGRAM STANDARDS. Required Previous: 21 hours in the program or department approval.

EDUC-5843 Advanced Classroom Management 3 Credits
THIS COURSE WILL EXAMINE RESEARCH BASED STRATEGIES USED TO IMPROVE THE CLASSROOM LEARNING ENVIRONMENT. MODELS OF CLASSROOM MANAGEMENT RELATED TO STUDENT DEVELOPMENT WILL BE EXAMINED AS WELL. THIS COURSE MEETS THE STATE REQUIREMENT FOR ALTERNATIVE AND EMERGENCY CERTIFICATION CANDIDATES.

EDUC-5853 Advanced Strategies for Effective Teaching 3 Credits
A VARIETY OF THE ASPECTS OF EDUCATIONAL PEDAGOGY WILL BE ADDRESSED INCLUDING, THE DEVELOPMENT OF LESSON PLANS, INSTRUCTIONAL OBJECTIVES, AND EVALUATION TECHNIQUES. THE CREATION OF EFFECTIVE LEARNING ACTIVITIES, ENGAGEMENT STRATEGIES, AND VARIOUS THEORIES ABOUT TEACHING AND LEARNING WILL ALSO BE COVERED. THIS COURSE MEETS THE STATE REQUIREMENT FOR ALTERNATIVE AND EMERGENCY CERTIFICATION CANDIDATES.

EDUC-5933 Survey of Emerging Technologies 3 Credits
THIS COURSE WILL EXPLORE THE LATEST TRENDS IN TECHNOLOGY THAT ARE NOW, OR SOON WILL BE, IMPACTING K-12 EDUCATION. STUDENTS WILL EXAMINE THE POSSIBILITIES AND CHALLENGES OF THE CURRENTLY MOST PROMINENT EMERGING TECHNOLOGIES AS APPLIED TO A VARIETY OF LEARNING SPACES.

EDUC-5943 Educational Technology Leadership 3 Credits
THIS COURSE PREPARES EDUCATIONAL LEADERS TO EFFECTIVELY PLAN, EVALUATE, AND MANAGE TECHNOLOGY INITIATIVES TO SUPPORT TEACHING, LEARNING AND OPERATIONS IN EDUCATIONAL SETTINGS.

EDUC-5961 Special Studies in Education 1 Credit
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION.GRADING IS USUALLY P OR F.

EDUC-5962 Special Studies in Education 2 Credits
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION.GRADING IS USUALLY P OR F.

EDUC-5981 Seminar in Education 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5982 Seminar in Education 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5983 Seminar in Education 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5984 Seminar in Education 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5991 Individual Study in Education 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-5992 Individual Study in Education 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-5993 Individual Study in Education **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-5994 Individual Study in Education **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-6003 Contemporary Issues and Advocacy in Rural Education **3 Credits**
CANDIDATES WILL FOCUS ON THE CRITICAL EXAMINATION OF CONTEMPORARY CHALLENGES FACING RURAL EDUCATION SYSTEMS AND THE STRATEGIES EMPLOYED IN ADVOCATING FOR CHANGE AND IMPROVEMENT. CANDIDATES WILL EXPLORE THE MULTIFACETED ISSUES IMPACTING RURAL EDUCATION TODAY, SUCH AS ACCESS TO RESOURCES, EQUITY, DIVERSITY, TECHNOLOGICAL INTEGRATION, AND COMMUNITY ENGAGEMENT. THE COURSE ALSO EMPHASIZES THE ROLE OF ADVOCACY IN ADDRESSING THESE CHALLENGES AND FOSTERING POSITIVE CHANGE IN RURAL EDUCATIONAL SETTINGS.

EDUC-6013 History and Foundations of Rural Education **3 Credits**
IN THIS COURSE CANDIDATES WILL EXPLORE THE HISTORICAL CONTEXT AND FUNDAMENTAL PRINCIPLES THAT SHAPE RURAL EDUCATION SYSTEM. THE COURSE EXAMINES THE DISTINCTIVE CHALLENGES, OPPORTUNITIES, AND EDUCATIONAL PHILOSOPHIES RELEVANT TO TEACHING AND LEARNING IN RURAL AREAS. THE COURSE SURVEYS THE EVOLUTION OF RURAL EDUCATION FROM EARLY AGRARIAN SOCIETIES TO CONTEMPORARY TIMES, INVESTIGATING THE SOCIO-CULTURAL, ECONOMIC, AND GEOGRAPHIC FACTORS INFLUENCING ITS DEVELOPMENT.

EDUC-6023 Leading Special Programs in Rural Education **3 Credits**
THIS IS A SPECIALIZED COURSE DESIGNED TO EQUIP EDUCATORS AND ADMINISTRATORS WITH THE KNOWLEDGE AND SKILLS NECESSARY TO EFFECTIVELY MANAGE AND LEAD SPECIALIZED EDUCATIONAL PROGRAMS IN RURAL SETTINGS. THIS COURSE DELVES INTO THE UNIQUE CHALLENGES AND OPPORTUNITIES INHERENT IN PROVIDING SPECIALIZED EDUCATION SERVICES IN RURAL AREAS.

EDUC-6033 Organizational Change/Strategic Planning In Rural Education **3 Credits**
THIS COURSE AIMS TO EQUIP STUDENTS WITH THE KNOWLEDGE, TOOLS, AND SKILLS NECESSARY TO EFFECTIVELY LEAD AND MANAGE ORGANIZATIONAL CHANGE WHILE STRATEGICALLY PLANNING FOR IMPROVEMENT IN THE UNIQUE CONTEXTS OF RURAL EDUCATIONAL SETTINGS.

EDUC-6043 Advanced Public School Finance in Rural Education **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH ADVANCED KNOWLEDGE AND PRACTICAL INSIGHTS INTO THE INTRICATE LANDSCAPE OF PUBLIC SCHOOL FINANCE IN RURAL EDUCATION, ENABLING THEM TO CRITICALLY ANALYZE FINANCIAL STRUCTURES, ADDRESS CHALLENGES, AND PROPOSE EFFECTIVE SOLUTIONS WITHIN RURAL EDUCATIONAL SETTINGS.

EDUC-6053 Applied Dissertation/Capstone/Seminar/ Orientation **3 Credits**
IN THIS COURSE CANDIDATES EXPLORE THE WORKINGS AND REQUIREMENTS OF THE EDD PROGRAM, ESPECIALLY DISCUSSIONS ABOUT THE LOGISTICS AND REQUIREMENTS OF AN APPLIED DISSERTATION/CAPSTONE.

EDUC-6063 Quantitative and Qualitative Research **3 Credits**
THIS COURSE PROVIDES AN IN-DEPTH EXPLORATION OF BOTH QUANTITATIVE AND QUALITATIVE RESEARCH METHODOLOGIES COMMONLY USED IN SOCIAL SCIENCES INCLUDING MIXED METHODS, ETC. IT AIMS TO EQUIP STUDENTS WITH THE THEORETICAL FOUNDATIONS, PRACTICAL SKILLS, AND CRITICAL THINKING REQUIRED TO DESIGN, CONDUCT, AND ANALYZE RESEARCH IN DIVERSE SOCIAL CONTEXTS.

EDUC-A2312 Sp Ed Practicum & Procedures-Mntl Rtd **2 Credits**
A COURSE DESIGNED TO PROVIDE SUPERVISED OPPORTUNITIES FOR OBSERVATIONAND CONTACT WITH EXCEPTIONAL CHILDREN SO THAT THE STUDENT MIGHT HAVE ANOVERALL VIEW OF ACTIVITIES ENCOMPASSED IN THE TEACHING OF SPECIAL EDUCATION.

EDUC-A4912 Spec Ed Practicum & Procedures-Mr **2 Credits**
PREREQ.: SIX HOURS OF EDUCATION METHODS COURSES OR DEPARTMENTAL APPROVAL. CAMPUS SEMINARS AND SUPERVISED EDUCATION FIELD EXPERIENCES WITH EXCEPTIONAL CHILDREN IN THE CLASSROOM OR THERAPEUTIC SETTING.

EDUC-B2312 Special Education Practicum and Procedures (Area named in title listing) **2 Credits**
A COURSE DESIGNED TO PROVIDE SUPERVISED OPPORTUNITIES FOR OBSERVATION AND CONTACT WITH EXCEPTIONAL CHILDREN SO THAT THE STUDENT MIGHT HAVE AN OVERALL VIEW OF ACTIVITIES ENCOMPASSED IN THE TEACHING OF SPECIAL EDUCATION.

EDUC-B4912 Special Education Practicum and Procedures (Area named in title listing) **2 Credits**
PREREQ.: SIX HOURS OF EDUCATION METHODS COURSES OR DEPARTMENTAL APPROVAL. CAMPUS SEMINARS AND SUPERVISED EDUCATION FIELD EXPERIENCES WITH EXCEPTIONAL CHILDREN IN THE CLASSROOM OR THERAPEUTIC SETTING.

EDUC-H2402 Honors-Survey of Exceptional Children **2 Credits**
AN INTRODUCTION TO INTELLECTUAL, BEHAVIORAL, SENSORY, PHYSICAL, AND LEARNING DEVELOPMENT OF SPECIAL NEEDS STUDENTS WITHIN THE GENERAL EDUCATION CLASSROOM. STUDENTS WILL GAIN UNDERSTANDING OF THE IMPACT DEVELOPMENTAL NEEDS OF LEARNERS IN A DIVERSE CLASSROOM ENVIRONMENT. STUDENTS WILL GAIN UNDERSTANDING OF BOTH STATE AND FEDERAL REGULATIONS WHICH IMPACT STUDENTS WITH EXCEPTIONALITIES. A MINIMUM OF FIFTEEN HOURS INTERACTION WITH INDIVIDUALS WHO HAVE DISABILITIES IS REQUIRED IN THIS COURSE.

EDUC-H3013 Honors-Foundations and Current Issues in Early Childhood **3 Credits**
TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED ABOUT FOUNDATIONAL READING AND WRITING THEORIES TO INCORPORATE FOUNDATIONAL COMMUNICATION AND READING SKILLS NECESSARY TO PROMOTE EARLY LITERACY DEVELOPMENT. CANDIDATES WILL DEVELOP COMPETENCY AND APPLY KNOWLEDGE OF COMPONENTS OF EMERGENT LITERACY, INCLUDING ORAL LANGUAGE DEVELOPMENT, DECODING, FLUENCY DEVELOPMENT AND WRITING AND SPELLING STRATEGIES TO PLAN FOCUSED, INTENSIVE INSTRUCTION TO MEET THE DIVERSE READING AND ORAL COMMUNIC Required Previous: Take EDUC-3463

EDUC-H3333 Honors- Methods in Creative Arts for Young Children 3 Credits
STUDY AND APPLICATION OF DEVELOPMENTALLY APPROPRIATE SYNTHESIZED CREATIVE ARTS EXPERIENCES THROUGH THE INTEGRATION OF INSTRUCTIONAL CONTENT AND METHODS ASSOCIATED WITH PLAY, MOVEMENT, MUSIC/RHYTHMIC, AND VISUAL ARTS EXPLORATION THAT ALLOWS FOR INDIVIDUAL VARIATIONS OF EXPRESSION FOR EARLY CHILDHOOD AND ELEMENTARY-AGE LEARNERS AS WELL AS DEVELOPMENT OF EXECUTIVE FUNCTION SKILLS.

EDUC-H3413 Honors- Methods in Elementary Language Arts 3 Credits
METHODS AND TECHNIQUES OF TEACHING DEVELOPMENT OF SKILLS IN LISTENING, SPEAKING, WRITING AND SPELLING IN THE ELEMENTARY GRADES.

EDUC-H3463 Honors-Foundations of Reading 3 Credits
STUDENTS WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED FROM FOUNDATIONAL READING THEORIES INCLUDING READING DEVELOPMENT THROUGH PROCESSES OF EMERGENT READING INCLUDING PRINT AWARENESS, PHONOLOGICAL AND PHONEMIC AWARENESS AND PHONICS LEADING TO FLUENT READING. STUDY ALSO INCLUDES LEARNING AND APPLICATION OF FOUNDATIONAL EMERGENT WRITING STAGES OF PRELITERATE, EMERGENT, TRANSITIONAL TO FLUENT.

EDUC-H3483 Honors-Methods of Reading 3 Credits
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO TEACH THE ELEMENTARY TRANSITION FROM LEARNING TO READ TO READING TO LEARN. THIS COURSE COVERS ALL ELEMENTARY GRADES, BUT WILL FOCUS ON STUDENTS IN GRADES 3-6.INSTRUCTIONAL STRATEGIES AND LEARNING ACTIVITIES CENTER ON USING READING STRATEGIES ACROSS THE CURRICULUM TO ENHANCE LEARNING, THE RECIPROCAL PROCESS OF READING AND WRITING INSTRUCTION, VOCABULARY DEVELOPMENT, FLUENCY, AND COMPREHENSION INSTRUCTION.

EDUC-H3493 Honors-Diagnosis and Remediation of Reading Difficulties 3 Credits
TEACHER CANDIDATES WILL ADMINISTER FORMATIVE AND SUMMATIVE ASSESSMENTS TO BOTH DETERMINE AND ENHANCE THE DIVERSE READING DEVELOPMENTAL NEEDS OF EARLY CHILDHOOD AND ELEMENTARY STUDENTS. CANDIDATES WILL UTILIZE ASSESSMENT DATA TO INFORM, MONITOR, AND PLAN DIFFERENTIATED FOCUSED AND INTENSIVE READING INSTRUCTION FOR BOTH SMALL GROUP AND INDIVIDUAL LEARNING TO ENHANCE THE DIVERSE NEEDS OF STRUGGLING READERS IN THE EARLY CHILDHOOD AND ELEMENTARY CLASSROOMS. Required Previous: Take EDUC-3463

EDUC-H3503 Honors-Methods in Elementary Mathematics -Primary 3 Credits
APPLY MAJOR MATHEMATICS PRACTICES AND PROCESSES THROUGH PLANNING INSTRUCTIONAL STRATEGIES AND ENGAGING LEARNING ACTIVITIES TO CREATE CONNECTIONS BETWEEN MATHEMATICAL PRACTICES AND APPROPRIATE MATH CONTENT/CONCEPTS TO MEET THE MATHEMATICAL LEARNING NEEDS OF PK THROUGH 3RD GRADE STUDENT POPULATIONS. TEACHER CANDIDATES WILL ALSO APPLY SUMMATIVE AND FORMATIVE ASSESSMENT TECHNIQUES TO MONITOR STUDENT LEARNING AND TO GUIDE INSTRUCTIONAL PRACTICES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTURALLY AND LI

EDUC-H3513 Honors-Methods in Elementary Mathematics -Intermediate 3 Credits
APPLY MAJOR MATHEMATICS PRACTICES AND PROCESSES THROUGH PLANNING INSTRUCTIONAL STRATEGIES AND ENGAGING LEARNING ACTIVITIES TO CREATE CONNECTIONS BETWEEN MATHEMATICAL PRACTICES AND APPROPRIATE MATH CONTENT/CONCEPTS TO MEET THE MATHEMATICAL LEARNING NEEDS OF 4TH THROUGH 8TH GRADE ELEMENTARY STUDENT POPULATIONS. TEACHER CANDIDATES WILL ALSO APPLY SUMMATIVE AND FORMATIVE ASSESSMENT TECHNIQUES TO MONITOR STUDENT LEARNING AND TO GUIDE INSTRUCTIONAL PRACTICES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTU

EDUC-H3613 Honors- Methods in Elementary Natural Science 3 Credits
DEMONSTRATION AND APPLICATION IN DEVELOPING TEACHING METHODS WITHIN PHYSICAL SCIENCE, LIFE SCIENCE, EARTH AND SPACE SCIENCE, AND ENGINEERING DESIGN USING THE THREE DIMENSIONS: 1) SCIENCE AND ENGINEERING PRACTICES, 2) CROSS-CUTTING CONCEPTS, AND 3) DISCIPLINARY CORE IDEAS. STUDENTS PLAN INSTRUCTION INCLUDING GOALS, MATERIALS, LEARNING ACTIVITIES AND ASSESSMENTS FOR DIVERSE STUDENT POPULATIONS, INCLUDING VARIOUS INSTRUCTIONAL PRACTICES AND DIFFERENTIATION. CLASS ACTIVITIES UTILIZE PROFESSIONAL LEA

EDUC-H3713 Honors-Methods in Elementary Social Studies 3 Credits
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO USE MATERIALS AND UNDERSTAND THE PROCEDURES FOR TEACHING HISTORY, CIVICS, GEOGRAPHY SKILLS, CURRENT EVENTS, EARLY ECONOMICS AND ANTHROPOLOGY CONCEPTS. SPECIAL EMPHASIS WILL BE PLACED ON USING LITERACY STRATEGIES IN ORDER TO CONVEY SOCIAL STUDIES CONTENT AND USING THE INQUIRY PROCESS AND HANDS-ON ACTIVITIES TO FACILITATE DIVERSE ELEMENTARY STUDENT LEARNING.

EDUC-H3753 Honors-Methods in Early Childhood Education 3 Credits
TEACHER CANDIDATES WILL PLAN LEARNING ACTIVITIES TO DEMONSTRATE THEIR UNDERSTANDING OF THE DIVERSE FACTORS CONCERNING THE GROWTH, DEVELOPMENT AND LEARNING OF CHILDREN IN EARLY CHILDHOOD EDUCATION. CURRICULUM FOCUS WILL BE CENTERED UPON AGE AND DEVELOPMENTALLY APPROPRIATE CURRICULAR CONTENT AND TEACHING MATERIALS FOR YOUNG CHILDREN. TEACHER CANDIDATES WILL APPLY KNOWLEDGE OF BUILDING RELATIONSHIPS WITH FAMILIES TO GAIN INSIGHT TO THE VARIOUS LEARNING AND DEVELOPMENTAL NEEDS OF CHILDREN.

EDUC-H3823 Honors-Introduction to Students With Mild Disabilities 3 Credits
THIS COURSE WILL EXPLORE THE PHILOSOPHICAL AND HISTORICAL FOUNDATIONS OFSPECIAL EDUCATION FOR STUDENTS WITH MILD DISABILITIES, CHARACTERISTICSOF STUDENTS WITH MILD DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES I N THE FIELD OF SPECIAL EDUCATION.

EDUC-H4133 Honors-Methods in Teaching the Mentally Retarded and Physically Disabled 3 Credits
A STUDY OF POLICY AND PROCEDURES IN SPECIAL EDUCATION AND CURRICULARCONTENT, TEACHING METHODS AND LEARNING CHARACTERISTICS OF CHILDREN WITHMENTAL RETARDATION AND PHYSICAL DISABILITIES.

EDUC-H4262 Honors-Student Teaching Seminar I Assessment and Professional Learning 2 Credits
DURING THIS SEMINAR COURSE THE TEACHER WORK SAMPLE WILL BE COMPLETED. Required Previous or Concurrent: Take two sections of the following: EDUC-4954 OR EDUC-4964 OR EDUC-4974

EDUC-H4632 Honors-Educational Technology Integration Strategies 2 Credits
THIS COURSE INCLUDES INCORPORATION OF TECHNOLOGY INSTRUCTION, DIGITAL COMMUNICATION AND ONLINE CLASSROOM MATERIALS GIVING TEACHER CANDIDATES OPPORTUNITIES TO INCORPORATE BOTH DIGITAL AND ONLINE RESOURCES AS INSTRUCTIONAL TOOLS. TEACHER CANDIDATES

WILL DEMONSTRATE AND APPLY UNDERSTANDINGS OF BOTH DIGITAL AND ONLINE RESOURCES IN USING TECHNOLOGY FOR ENHANCEMENT AND DIFFERENTIATION OF INSTRUCTIONAL STRATEGIES FOR DIVERSE STUDENT LEARNING POPULATIONS. Required Previous: Take EDUC-3001

EDUC-H4813 Honors-Nature and Characteristics of Children With Mental Retardation **3 Credits**
COMPREHENSIVE STUDY OF MENTAL RETARDATION INCLUDING THE HISTORY, CLASSIFICATION SYSTEMS, ETIOLOGIES AND SYNDROMES, THEORETICAL APPROACHES TO ANDEDUCATIONAL PROGRAMS FOR CHILDREN WITH MENTAL RETARDATION.

EDUC-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-S4981 Need Name **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-S5981 Need Name **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-S5982 Need Name **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ENVIRONMENTAL HEALTH SCIENCES (EHS)

EHS-1114 Introduction to Environmental Health Science **4 Credits**
STUDY OF THE INTERACTIONS BETWEEN HUMANS AND THEIR ENVIRONMENT AND THE ADMINISTRATIVE AND PHYSICAL MEASURES USED TO PROTECT HUMAN HEALTH AND THE NATURAL ENVIRONMENT. EMPHASIS GIVEN TO ENVIRONMENTAL AND PUBLIC HEALTH TOPICS OF CURRENT CONCERN. Required Previous or Concurrent: Class Pre-requisite(s): 19 on ACT-Science or SAT equivalent, PHSCI-0123, or Placement exam.

EHS-1114L Introduction to Environmental Health Science Lab **0 Credits**
LAB FOR EHS-1114 Required Concurrent: EHS-1114

EHS-2223 Watershed Management **3 Credits**
A BASIC INTRODUCTION TO WATERSHED MANAGEMENT. THE COURSE COVERS THE MOST IMPORTANT WATERSHED MANAGEMENT TOPCIS, ABOUT WHICH WATERSHED MANAGERS, LOCAL OFFICIALS, INVOLVED CITIZENS, DECISION MAKERS, NATURAL RESOURCE MANAGERS AND OTHERS SHOULD HAVE AT LEAST AN INTRODUCTORY LEVEL OF KNOWLEDGE. THE COURSE IS AN EXPANDED VERSION OF THE US-EPA'S WATERSHED ACADEMY, AND STUDENTS WHO SUCCESSFULLY COMPLETE THE COURSE WILL RECEIVE CERTIFICATION.

EHS-2313 Solid and Hazardous Waste Management **3 Credits**
A COMPREHENSIVE STUDY OF THE SOLID WASTE PROBLEM WITH EMPHASIS ON RCRA AND HAZARDOUS WASTE MANAGEMENT.

EHS-2413 Radiologic Health **3 Credits**
AN INTRODUCTION IN RADIOLOGICAL HEALTH INCLUDING SOURCES OF RADIATION, TYPES OF RADIATION, DETECTION AND CONTROL MEASURES, AND PERSONNEL PROTECTION FROM RADIATION SOURCES.

EHS-2613 Occupational Health & Safety **3 Credits**
AN INTRODUCTION TO THE OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970. THE COURSE INCLUDES THE RECOGNITION, EVALUATION, AND CONTROL OF HEALTH AND SAFETY HAZARDS IN THE WORK ENVIRONMENT.

EHS-2713 Environmental Economics **3 Credits**
A STUDY OF THE BASIC PRINCIPLES OF ECONOMICS, AND THEIR IMPLICATIONS AND APPLICATIONS TO ENVIRONMENTAL POLICY, REGULATION AND ENVIRONMENTAL HEALTH SCIENCE.

EHS-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-3114 Epidemiology **4 Credits**
A STUDY OF THE ETIOLOGY AND CHARACTERISTICS OF THE PRINCIPAL DISEASES OF MAN AND THE CONTROL OF INFECTED INDIVIDUALS AND ENVIRONMENTS. METHODS OF PRESENTING AND INTERPRETING EPIDEMICITY AND ENDEMICITY ARE PRESENTED. LABORATORY AND FIELD EXPERIENCES ARE PROVIDED. Required Previous: MATH-1513

EHS-3114L Epidemiology Lab **0 Credits**
LAB FOR EHS-3114 Required Concurrent: EHS-3114

EHS-3153 Policy and Practices in Environmental Health **3 Credits**
THE LEGAL AND FINANCIAL BASIS OF ENVIRONMENTAL AND PUBLIC HEALTH PROGRAMS, POLICIES AND MANAGEMENT PRACTICES UTILIZED TO PROTECT INDIVIDUAL, COMMUNITY, AND OCCUPATIONAL HEALTH. TOPICS INCLUDE STATE AND FEDERAL AGENCIES AND THEIR REGULATION OF AIR, WATER, WASTE, AND OCCUPATIONAL HEALTH.

EHS-3543 Water Resources **3 Credits**
A COMPREHENSIVE STUDY OF WATER RESOURCES WITH SPECIAL EMPHASIS ON PROTECTION OF WATER QUALITY AND REMEDIATION OF CONTAMINATED WATER RESOURCES. Required Previous: EHS-1114

EHS-3553 Environmental Contaminants **3 Credits**
A STUDY OF AIR AND WATER QUALITY. TOPICS INCLUDE POLLUTION SOURCES, EFFECTS, DISTRIBUTION, ASSESSMENT, CONTROL AND TREATMENT MEASURES. Required Previous: CHEM-1114

EHS-3603 Air Quality **3 Credits**
THE FUNDAMENTALS OF AIR POLLUTION PHENOMENA, EFFECTS, AND APPLICABLE CONTROL MEASURES. Required Previous: CHEM-1114

EHS-3703 Biostatistics **3 Credits**
A STUDY OF STATISTICAL METHODS COMMONLY USED IN ENVIRONMENTAL AND LIFE SCIENCE. TOPICS INCLUDE DESCRIPTIVE AND INFERENTIAL STATISTICS AND OTHER RELATED CALCULATIONS. Required Previous: MATH-1513

EHS-3803 Toxicology and Waste Management **3 Credits**
A STUDY OF SOLID AND HAZARDOUS WASTE MANAGEMENT AND REDUCTION. INVESTIGATION INTO THE TOXIC PROPERTIES OF SUBSTANCES ALONG WITH MANAGEMENT PRACTICES FOR THESE CHEMICALS WITH EMPHASIS ON THE PROTECTION OF HUMAN HEALTH. Required Previous: CHEM-1114

EHS-4013 Native American Environmental and Health Issues **3 Credits**
A STUDY OF THE RANGE OF ENVIRONMENTAL AND HEALTH ISSUES IMPACTING NATIVE AMERICANS PAST AND PRESENT. INCLUDED IN THE STUDY IS A HISTORY OF THESE ISSUES FROM FIRST CONTACT, THE RESERVATION PERIOD, CREATION OF THE INDIAN HEALTH SERVICE TO SELF-GOVERNANCE. Required Previous: EHS-1114

EHS-4113 Institutional Environmental Health **3 Credits**
RECOGNITION, EVALUATION, AND CONTROL MEASURES OF VARIABLES AFFECTING THE ENVIRONMENTAL HEALTH ASPECTS OF WORK HABITS, SCHOOLS, CAMPS, HOSPITALS, NURSING HOMES, DAY CARE CENTERS, AND OTHER PUBLIC FACILITIES ARE PRESENTED. Required Previous: EHS-1114

EHS-4143 Food Hygiene and Consumer Protection **3 Credits**
A STUDY OF THE HEALTH EFFECTS OF FOOD AND MILKBORNE DISEASES, INCLUDING A DISCUSSION OF FOOD AND MILK AS VEHICLES OF INFECTION, ESSENTIALS OF MILK AND FOOD QUALITY, AND STANDARDS FOR FOOD SERVICE EQUIPMENT. Required Previous: EHS-1114

EHS-4203 Community Health **3 Credits**
A STUDY OF COMMUNITY HEALTH'S HISTORY, PROGRESSION, AND PROMOTION OF PREVENTITIVE METHODS. CURRENT ISSUES IN ENVIRONMENTAL/COMMUNITY HEALTH ARE REVIEWED. TOPICS INCLUDE FOOD AND MILK PROTECTION; HEALTH PROGRAM ASPECTS OF AIR, WATER AND SOLID WASTE, MEASURES FOR THE ABATEMENT AND CONTROL OF DISEASE VECTORS, CODE ENFORCEMENT FOR SEPTIC SYSTEMS, SWIMMING POOLS, AND PRIVATE WATER WELLS, INJURY PREVENTION, PUBLIC/COMMUNITY/OCCUPATIONAL HEALTH RISK ASSESSMENTS. Required Previous: EHS-1114

EHS-4503 Chronic Disease and Global Health **3 Credits**
A STUDY OF THE CHRONIC DISEASES FACING THE UNITED STATES SUCH AS HEART DISEASE, DIABETES, AND CANCER. HEALTH ISSUES OF A GLOBAL NATURE SUCH AS CHRONIC DISEASES, INFECTIOUS DISEASES AND MENTAL HEALTH ARE REVIEWED. Required Previous: EHS-1114

EHS-4553 Environmental and Organic Chemistry **3 Credits**
INTRODUCTION TO THE CHEMISTRY OF THE NATURAL ENVIRONMENT AND FATE, TRANSPORT AND SIGNIFICANCE OF ORGANIC CHEMICAL CONTAMINANTS. Required Previous: CHEM-1114

EHS-4703 Consumer Risk and Protection **3 Credits**
THIS COURSE EXPLORES THE ROLE OF FOOD AS A VEHICLE OF INFECTION, EMPHASIZING FOOD SAFETY, QUALITY STANDARDS, AND CONSUMER PROTECTION. IT INTEGRATES RISK ASSESSMENT TECHNIQUES WITH FOOD SAFETY, ENVIRONMENTAL FACTORS, AND HAZARD MANAGEMENT. TOPICS INCLUDE ENVIRONMENTAL ASSESSMENT, RISK MANAGEMENT, AND STRATEGIES FOR ACCIDENT PREVENTION, WITH A FOCUS ON ENSURING FOOD SAFETY AND PROTECTION. Required Previous: EHS-1114 or department approval

EHS-4802 Environmental Health Laboratory **2 Credits**
A STUDY OF MODERN EQUIPMENT USED IN THE ASSESSMENT OF ENVIRONMENTAL QUALITY. TOPICS INCLUDE CALIBRATION AND SAMPLING METHODS USED IN MEASUREMENTS OF AIR, WATER, AND SOIL CONTAMINANTS. Required Previous: EHS-1114

EHS-4943 Field Experience in Environmental/Public Health **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE AT LEAST ONE, 3 SEMESTER HOUR FIELD TRAINING WITHIN A ONE SEMESTER TIME PERIOD CONSISTING OF A MINIMUM OF 180 HOURS OF EMPLOYMENT OR VOLUNTEER SERVICE IN AN APPROVED SETTING. THE COURSE MAY BE REPEATED ONCE FOR THE PURPOSE OF RECEIVING 6 TOTAL SEMESTER CREDIT HOURS EITHER DURING SEPARATE PORTIONS OF THE SAME SEMESTER OR DURING A DIFFERENT SEMESTER.

EHS-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4983 Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4984 Seminar- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4991 Individual Study in Environmental Science 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4992 Individual Study in Environmental Science 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4993 Individual Study in Environmental Science 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4994 Individual Study in Environmental Science 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-5223 Watershed Management 3 Credits
ADVANCED STUDY OF WATERSHED MANAGEMENT. THE COURSE COVERS THE MOST IMPORTANT WATERSHED MANAGEMENT TOPICS ABOUT WHICH WATERSHED MANAGERS, LOCAL OFFICIALS, INVOLVED CITIZENS, DECISION MAKERS, NATURAL RESOURCES MANAGERS AND OTHERS SHOULD HAVE AT LEAST AN INTRODUCTORY LEVEL OF KNOWLEDGE. CREDIT CANNOT BE APPLIED FROM BOTH EHS-5223 AND WRPM-5223.

EHS-5553 Water Quality and Treatment 3 Credits
ADVANCED GRADUATE STUDY OF THE PROPERTIES, DISTRIBUTION AND UTILIZATION OF WATER IN NATURAL AND MAN-MADE SYSTEMS; CONVENTIONAL WATER AND WASTEWATER TREATMENT PRACTICES ARE PRESENTED.

EHS-5802 Environmental Health Lab 2 Credits
ADVANCED STUDY MODERN EQUIPMENT USED IN THE ASSESSMENT OF ENVIRONMENTAL QUALITY. TOPICS INCLUDE CALIBRATION AND SAMPLING METHODS USED IN MEASUREMENTS OF AIR, WATER, AND SOIL CONTAMINANTS.

EHS-5803 Environmental Toxicology 3 Credits
ADVANCED GRADUATE STUDY OF THE POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS. CREDIT CANNOT BE OBTAINED FOR BOTH WRPM-5803 AND EHS-5803.

EHS-5981 Seminar in Environmental Science 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5982 Seminar in Environmental Science 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5983 Seminar in Environmental Science 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5984 Seminar in Environmental Science 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5991 Individual Study in Environmental Health Science 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) from Environmental Health Science

EHS-5992 Individual Study in Environmental Health Science 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelver (12) hours from Environmental Health Science

EHS-5993 Individual Study in Environmental Health Science 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours from Environmental Health Science

EHS-5994 Individual Study in Environmental Health Science 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours from Environmental Health Science

EHS-H2613 Honors-Occupational Health and Safety 3 Credits
AN INTRODUCTION TO THE OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970. THE COURSE INCLUDES THE RECOGNITION, EVALUATION, AND CONTROL OF HEALTH AND SAFETY HAZARDS IN THE WORK ENVIRONMENT. Required Previous: MATH-1513

EHS-H3153 Honors-Envrmntal Health Administration 3 Credits
THE STRUCTURE AND OPERATION OF ENVIRONMENTAL AND PUBLIC HEALTH ADMINISTRATIVE AGENCIES. THE LEGAL AND FINANCIAL BASIS OF REGULATORY PROGRAMS AND MANAGEMENT PRACTICES UTILIZED TO PROTECT INDIVIDUALS, COMMUNITIES AND THE NATURAL ENVIRONMENT.

EHS-H3603 Honors-Air Quality **3 Credits**
THE FUNDAMENTALS OF AIR POLLUTION PHENOMENA, EFFECTS, AND APPLICABLE CONTROL MEASURES. Required Previous: CHEM-1114

EHS-H3803 Honors-Environmental Toxicology **3 Credits**
A STUDY OF THE POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS. Required Previous: CHEM-1114

EHS-H4203 Honors-Community Health **3 Credits**
A STUDY OF COMMUNITY HEALTH'S HISTORY, PROGRESSION, AND PROMOTION OF PREVENTITIVE METHODS. CURRENT ISSUES IN ENV/COMM HLTH ARE REVIEWED. TOPICS INCLUDE FOOD AND MILK PROTECTION, HLTH PROGRAM ASPECTS OF AIR, WATER AND SOLID WASTE, MEASURES FOR THE ABATEMENT AND CONTROL OF DISEASE VECTORS, CODE ENFORCEMENT FOR SEPTIC SYSTEMS, SWIMMING POOLS, AND PRIVATE WATER WELLS, INJURY PREVENTION, PUBLIC/COMMUNITY/OCCUPATIONAL HEALTH RISK ASSESSMENTS. Required Previous: EHS-1114

EHS-H4553 Honors-Environmental & Organic Chemistry **3 Credits**
INTRODUCTION TO THE CHEMISTRY OF THE NATURAL ENVIRONMENT AND FATE, TRANSPORT AND SIGNIFICANCE OF ORGANIC CHEMICAL CONTAMINANTS. Required Previous: CHEM-1114

EHS-H4983 Honors-Seminar in Environmental Sci **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENGLISH (ENG)

ENG-0111 Developmental Reading **1 Credit**
THROUGH DIAGNOSTIC PROCEDURES AN INDIVIDUALIZED READING IMPROVEMENT PROGRAM WILL BE DEVELOPED. THE INDIVIDUALIZED DIAGNOSTIC PROFILE WILL FOCUS UPON VOCABULARY AND READING COMPREHENSION IMPROVEMENT. GRADING IS P OR F. Required Concurrent: Co-req ENG-1113

ENG-0123 Fundamentals of English **3 Credits**
USING A HOLISTIC WRITING APPROACH, STUDENTS WRITE PARAGRAPHS AND ESSAYS, FOCUSING ON PROCESS, AUDIENCE, SENTENCE STRUCTURE, ORGANIZATION, CONTENT, AND FLUENCY, IN A VARIETY OF MODES. STUDY OF GRAMMAR, USAGE, AND MECHANICS ARE DETERMINED BY NEED. DOES NOT COUNT IN LIEU OF ENGLISH 1113 AND 1213 AND DOES NOT COUNT FOR DEGREE CREDIT. GRADING IS P OR F.

ENG-0211 Freshman Composition I Writing Lab **1 Credit**
WRITING LAB TO SERVE AS A CO-REQUISITE FOR FRESHMAN COMPOSITION I FOR STUDENTS WHO SCORED BELOW THE RECOMMENDED ACT SCORE FOR PLACEMENT INTO FRESHMAN COMPOSITION I. COURSE MUST BE TAKEN AS A CO-REQUISITE WITH FRESHMAN COMPOSITION I. ENROLLMENT BY APPROVAL ONLY.

ENG-1113 Freshman Composition I **3 Credits**
STUDENTS WRITE COHERENT, ORGANIZED, AND MECHANICALLY-PROFICIENT SHORT ESSAYS, USING A VARIETY OF RHETORICAL STRATEGIES, INCLUDING BASIC CONCEPTS OF PERSUASION, SUPPORT, AND DOCUMENTATION. Required Previous or Concurrent: Must have an ACT English subject score of 19, OR have a SAT English subject score of 510, OR have completed Eng-0123, OR have tested out of a english deficiency in Accuplacer, OR enroll in Eng-0211 at the same time as Eng-1113.

ENG-1213 Freshman Composition II **3 Credits**
STUDENTS APPLY SKILLS DEVELOPED IN ENGLISH 1113 WITH EMPHASIS ON LONGER ESSAYS, EXTENSIVE SOURCE-BASED RESEARCH, AND ARGUMENTATION. IT IS RECOMMENDED STUDENTS TAKE THIS COURSE THE SEMESTER FOLLOWING 1113. Required Previous: ENG-1113

ENG-2243 Introduction to Creative Writing **3 Credits**
AN INTRODUCTION TO THE PROCESS OF CREATING ORIGINAL FICTION, POETRY, AND OTHER FORMS.

ENG-2423 American Literature to 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM BEGINNINGS TO 1865.

ENG-2433 American Literature Since 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM 1865 TO THE PRESENT.

ENG-2513 Introduction to Literary Study **3 Credits**
AN INTRODUCTION TO THE USE OF LIBRARY RESOURCES AND APPROACHES TO CONTEMPORARY LITERAY CRITICISM. Required Previous: TAKE ENG-1213 OR HNRS-2313

ENG-2643 British Literature to 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS BETWEEN 449 AND 1800.

ENG-2653 British Literature Since 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS FROM 1800 TO THE PRESENT.

ENG-2713 Publications Practicum-Originals **3 Credits**
WORK ON ORIGINALS, THE CAMPUS LITERARY AND ART MAGAZINE, SPONSORED BY THE DEPARTMENT OF ENGLISH AND LANGUAGES, AND ON WRITE ON, THE DEPARTMENT'SPUBLICATION OF OUTSTANDING COMPOSITION ESSAYS. CAN BE TAKEN TWICE FOR CREDIT, BUT ONLY THREE HOURS COUNT TOWARDS THE MAJOR. Required Previous: ENG-1213 OR HNRS-2313

ENG-2881 Special Studies in English **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-2882 Special Studies in English **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-2883 Special Studies in English **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-2884 Special Studies in English **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-3113 Advanced Writing **3 Credits**
PRACTICE IN NARRATIVE, DESCRIPTIVE, AND PERSUASIVE MODES OF DISCOURSE. Required Previous: ENG-1213 OR HNRS-2313

ENG-3143 Introduction to Film **3 Credits**
A BROAD SURVEY OF THE GENRE, INCLUDING ITS HISTORY, AND A SURVEY OF RELATED FORMS OF NONPRINT MEDIA.

ENG-3183 Technical and Professional Writing **3 Credits**
STUDY AND PRACTICE OF TECHNICAL AND PROFESSIONAL WRITING IN BOTH IN-HOUSE AND PUBLISHED DOCUMENTS. DEVELOPING AND COLLECTING INFORMATION AND INCORPORATING IT INTO TECHNICAL AND PROFESSIONAL PAPERS, REPORTS, PROPOSALS, MEMORANDA. Required Previous: ENG-1213 OR HNRS-2313

ENG-3193 Persuasive Writing and Logic **3 Credits**
EMPHASIZES PRINCIPLES OF LOGIC AND PERSUASION IN RHETORICAL ANALYSIS AND ARGUMENTATIVE WRITING FOR A VARIETY OF AUDIENCES. INCLUDES ANALYSIS AND COMPOSITION OF PRINT AND NON-PRINT TEXTS. Required Previous: ENG-1213 OR HNRS-2313

ENG-3213 Shakespeare **3 Credits**
ORIGIN AND DEVELOPMENT OF THE DRAMA, LIFE AND TIMES OF SHAKESPEARE, THE SHAKESPEAREAN THEATRE, READING OF SELECTED PLAYS.

ENG-3343 Composing Theories and Practice **3 Credits**
IN-DEPTH STUDY OF VARIOUS THEORIES AND RESEARCH REGARDING THE PROCESS WRITERS FOLLOW AS THEY COMPOSE. RELATES COMPOSING PROCESS MODELS TO CLASSROOM PRACTICE. Required Previous: ENG-1213 OR HNRS-2313

ENG-3363 Critical Approaches to Literature **3 Credits**
EXPLORES VARIOUS METHODOLOGIES IN LITERARY CRITICISM. Required Previous: TAKE ENG-2513 AND ENG-3913 OR ENG-3923 OR ENG-2423 OR ENG-2643 OR ENG-2653

ENG-3373 Creative Writing: Genre **3 Credits**
ORIGINAL COMPOSITION SPECIALIZING IN POETRY, FICTION, OR OTHER GENRES OF CREATIVE WRITING. MAY BE REPEATED FOR CREDIT.

ENG-3733 Teaching of Literature in Secondary School **3 Credits**
STUDIES HOW TO USE A VARIETY OF PRINT, NONPRINT, AND DIGITAL RESOURCES AND TECHNOLOGIES TO PLAN COHERENT, RELEVANT, STANDARDS-ALIGNED, ANTIRACIST/ANTIBIAS, AND DIFFERENTIATED LITERACY INSTRUCTION THAT INCORPORATES THEORIES, RESEARCH, AND KNOWLEDGE OF ELA TO SUPPORT AND ENGAGE ALL LEARNERS IN MEETING LEARNING GOALS. EVALUATES STRATEGIES FOR CHOOSING AND TEACHING AND ASSESSING A VARIETY OF LITERATURE, WITH A PARTICULAR FOCUS ON TEACHING YOUNG ADULT LITERATURE.

ENG-3913 World Literature to 1700 **3 Credits**
A STUDY OF A DIVERSE ARRAY OF GLOBAL LITERATURES AND VOICES REPRESENTING MULTIPLE CONTINENTS AND GENRES FROM ANTIQUITY THROUGH THE 17TH CENTURY.

ENG-3923 World Literature Since 1700 **3 Credits**
A STUDY OF A DIVERSE ARRAY OF GLOBAL LITERATURES AND VOICES REPRESENTING MULTIPLE CONTINENTS AND GENRES FROM 1700 TO THE PRESENT.

ENG-4013 Grammar and Linguistics **3 Credits**
EXAMINES GRAMMAR, SYNTAX AND SEMANTICS, LANGUAGE ACQUISITION, DEVELOPMENT, FUNCTIONS, AND VARIANCE, EMPHASIS ON THE THEORIES OF GRAMMAR, HISTORY AND DEVELOPMENT OF MODERN ENGLISH, AND LINGUISTICS.

ENG-4523 American Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF AMERICAN LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4533 Contemp Fiction Chfly Amer **3 Credits**
A SURVEY OF PRESENT-DAY FICTION.

ENG-4543 British Literature **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF BRITISH LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4553 World Literature **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF WORLD LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4613 Literary Genre **3 Credits**
FOCUSES STUDY ON A PARTICULAR LITERARY GENRE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4641 Internship **1 Credit**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4642 Internship **2 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4643 Internship **3 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4644 Internship **4 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4723 Teaching of Grammar and Composition In Secondary School **3 Credits**
STUDIES THEORETICAL PERSPECTIVES OF LANGUAGE AND LANGUAGING, INCLUDING LANGUAGE ACQUISITION, CONVENTIONS, DIALECT, GRAMMAR SYSTEMS, AND THE IMPACT OF LANGUAGES ON SOCIETY AS THEY RELATE TO VARIOUS RHETORICAL SITUATIONS (E.G., JOURNALISM, SOCIAL MEDIA, POPULAR CULTURE) AND AUDIENCES. EVALUATES STRATEGIES FOR TEACHING WRITING PROCESSES FOR A VARIETY OF MODALITIES AND PURPOSES THAT INCLUDE COLLABORATIVE APPROACHES AND CONTEMPORARY TECHNOLOGIES; AND RESEARCH-BASED FORMATIVE AND SUMMATIVE ASSESSMENT

ENG-4813 Special Topics in Literature **3 Credits**
AN ADVANCED STUDY OF SELECTED ASPECTS IN LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4823 Special Topics in Language Arts **3 Credits**
AN ADVANCED STUDY OF SELECTED ASPECTS OF THE ENGLISH LANGUAGE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4883 Publication and Portfolio Capstone **3 Credits**
A CAPSTONE COURSE REQUIRED FOR ALL ENGLISH MAJORS. A CRITICAL STUDY OF THE ROLES THAT LANGUAGE AND LITERATURE PLAY WITH EMPHASIS ON PROFESSIONALISM, PUBLICATION, AND PRESENTATIONS. FOCUSES ON ACADEMIC RESEARCH AND WRITING, ENCOURAGES PUBLICATION, AND REQUIRES A COMPREHENSIVE PORTFOLIO.

ENG-4981 Seminar in English **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4982 Seminar in English **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4983 Seminar in English **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4984 Seminar in English **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4991 Individual Study in English **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4992 Individual Study in English **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4993 Individual Study in English **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4994 Individual Study in English **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-5981 Seminar in English **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5982 Seminar in English **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5983 Seminar in English **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5984 Seminar in English **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5991 Individual Studies **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, AND DEPARTMENTAL APPROVAL

ENG-5992 Individual Study in English **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, AND DEPARTMENTAL APPROVAL

ENG-5993 Individual Study in English **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, DEPARTMENTAL APPROVAL

ENG-5994 Individual Study in English **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, AND DEPARTMENTAL APPROVAL

ENG-H2243 Honors-Intro to Creative Writing **3 Credits**
AN INTRODUCTION TO THE PROCESS OF CREATING ORIGINAL FICTION, POETRY, AND OTHER FORMS.

ENG-H2423 Honors-American Lit to 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM BEGINNINGS TO 1865.

ENG-H2433 Honors-American Lit Snc 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM 1865 TO THE PRESENT.

ENG-H2513 Honors-Intro to Lit Study **3 Credits**
AN INTRODUCTION TO THE USE OF LIBRARY RESOURCES AND APPROACHES TO CONTEMPORARY LITERAY CRITICISM.

ENG-H2643 Honors-British Lit to 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS BETWEEN 449 AND 1800.

ENG-H2653 Honors-British Lit Snc 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS FROM 1800 TO THE PRESENT.

ENG-H2713 Honors-Publ Pract:original **3 Credits**
WORK ON ORIGINALS, THE CAMPUS LITERARY AND ART MAGAZINE, SPONSORED BYTHE DEPARTMENT OF ENGLISH AND LANGUAGES, AND ON WRITE ON, THE DEPARTMENT'S PUBLICATION OF OUTSTANDING COMPOSITION ESSAYS. CAN BE TAKEN TWICE FOR CREDIT, BUT ONLY THREE HOURS COUNT TOWARD THE MAJOR.

ENG-H3113 Honors-Advanced Writing **3 Credits**
PRACTICE IN NARRATIVE, DESCRIPTIVE, AND PERSUASIVE MODES OF DISCOURSE.

ENG-H3143 Honors-Introduction to Film **3 Credits**
A BROAD SURVEY OF THE GENRE, INCLUDING ITS HISTORY, AND A SURVEY OF RELATED FORMS OF NONPRINT MEDIA.

ENG-H3183 Honors-Technical & Professional Writing **3 Credits**
STUDY AND PRACTICE OF TECHNICAL AND PROFESSIONAL WRITING IN BOTH IN-HOUSE AND PUBLISHED DOCUMENTS. DEVELOPING AND COLLECTING INFORMATION AND INCORPORATING IT INTO TECHNICAL AND PROFESSIONAL PAPERS, REPORTS, PROPOSALS, MEMORANDA.

ENG-H3193 Honors-Persuasvive Writing and Logic **3 Credits**
EMPHASIZES PRINCIPLES OF LOGIC AND PERSUASION IN RHETORICAL ANALYSIS AND ARGUMENTATIVE WRITING FOR A VARIETY OF AUDIENCES. INCLUDES ANALYSIS AND COMPOSITION OF PRINT AND NON-PRINT TEXTS.

ENG-H3213 Honors-Shakespeare **3 Credits**
ORIGIN AND DEVELOPMENT OF THE DRAMA, LIFE AND TIMES OF SHAKESPEARE,THE SHAKESPEAREAN THEATRE, READING OF SELECTED PLAYS.

ENG-H3343 Honors-Composing Theories & Practice **3 Credits**
IN-DEPTH STUDY OF VARIOUS THEORIES AND RESEARCH REGARDING THE PROCESS WRITERS FOLLOW AS THEY COMPOSE. RELATES COMPOSING PROCESS MODELS TO CLASSROOM PRACTICE.

ENG-H3363 Honors-Critical Approaches **3 Credits**
EXPLORES VARIOUS METHODOLOGIES IN LITERARY CRITICISM.

ENG-H3373 Honors-Creative Writing:genre **3 Credits**
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ENG-H3733 Honors-Teaching Literature Sec Sch **3 Credits**
STUDIES HOW TO USE A VARIETY OF PRINT, NONPRINT, AND DIGITAL RESOURCES AND TECHNOLOGIES TO PLAN COHERENT, RELEVANT, STANDARDS-ALIGNED, ANTIRACIST/ANTIBIAS, AND DIFFERENTIATED LITERACY INSTRUCTION THAT INCORPORATES THEORIES, RESEARCH, AND KNOWLEDGE OF ELA TO SUPPORT AND ENGAGE ALL LEARNERS IN MEETING LEARNING GOALS. EVALUATES STRATEGIES FOR CHOOSING AND TEACHING AND ASSESSING A VARIETY OF LITERATURE, WITH A PARTICULAR FOCUS ON TEACHING YOUNG ADULT LITERATURE.

ENG-H3913 Honors-World Literature to 1700 **3 Credits**
A STUDY OF WORLD LITERATURE FROM ANTIQUITY THROUGH THE 17TH CENTURY.

ENG-H3923 Honors-World Literature Since 1700 **3 Credits**
A STUDY OF WORLD LITERATURE FROM 1700 TO THE PRESENT.

ENG-H4013 Honors-Grammar and Linguistics **3 Credits**
EXAMINES GRAMMAR, SYNTAX AND SEMANTICS, LANGUAGE ACQUISITION, DEVELOPMENT, FUNCTIONS, AND VARIANCE, EMPHASIS ON THE THEORIES OF GRAMMAR, HISTORY AND DEVELOPMENT OF MODERN ENGLISH, AND LINGUISTICS.

ENG-H4523 Hnrs-American Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF AMERICAN LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4543 Honors-British Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF BRITISH LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4553 Honors-World Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF WORLD LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4613 Hnrs-Literary Genre- **3 Credits**
FOCUSES STUDY ON A PARTICULAR LITERARY GENRE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4643 HONORS-Internship **3 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-H4813 Honors-Special Topic in Literature **3 Credits**
AN ADVANCED STUDY OF SELECTED ASPECTS OF LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4883 Honors-Publication and Portfolio Capstone **3 Credits**
A CAPSTONE COURSE REQUIRED FOR ALL ENGLISH MAJORS. A CRITICAL STUDY OF THE ROLES THAT LANGUAGE AND LITERATURE PLAY WITH EMPHASIS ON PROFESSIONALISM, PUBLICATION, AND PRESENTATIONS. FOCUSES ON ACADEMIC RESEARCH AND WRITING, ENCOURAGES PUBLICATION, AND REQUIRES A COMPREHENSIVE PORTFOLIO.

ENG-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-S5981 Seminar in English (subject Named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ENG-S5982 Seminar in English (subject Named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ENGINEERING (ENGR)

ENGR-1111 Introduction to Engineering **1 Credit**
STUDY SKILLS, ORIENTATION, AND ENROLLMENT IN ENGINEERING. COMPUTER-BASED PRODUCTIVITY TOOLS. ENGINEERING ETHICS AND CAREERS.

ENTREPRENEURSHIP (ENTR)

ENTR-3103 Introduction to Entrepreneurship **3 Credits**
THIS COURSE PROVIDES THE STUDENT WITH THE FUNDAMENTALS OF ENTREPRENEURSHIP AND COVERS THE ENTREPRENEURIAL PROCESS FORM CONCEPTION TO HARVEST OF THE NEW VENTURE. iT CONCENTRATES ON IDENTIFYING THE ATTRIBUTES OF ENTREPRENEURS, THE PROCESS OF SEARCHING FOR OPPORTUNITIES, EVALUATING THE VIABILITY OF A NEW VENTURE, FINANCING, STARTING AND OPERATING THE NEW VENTURE.

ENTR-3203 High Technology Entrepreneurship **3 Credits**
THIS COURSE PROVIDES STUDENTS WITH AN APPLICATIONS-ORIENTED UNDERSTANDING OF THE UNIQUE INDUSTRY CONTEXTS, STRATEGIC OPPORTUNITIES, AND CONSTRAINTS FACED BY HIGH TECHNOLOGY NEW VENTURES. SUCH VENTURES ARE TYPICALLY FUNDED WITH HIGH RISK/HIGH RETURN VENTURE CAPITAL, AND EXPECTED TO ACHIEVE LIQUIDITY FOR INVESTORS IN APPROXIMATELY FIVE YEARS FROM START-UP. TOPICS TO BE DISCUSSED INCLUDE: THE TECHNOLOGY COMMERCIALIZATION PROCESS; TECHNOLOGY APPLICATION OPPORTUNITIES; AND THE VENTURE CAPITAL CONTINU Required Previous: ENTR-3103 or departmental approval.

ENTR-3303 Marketing for the Entrepreneur **3 Credits**
THE COURSE IDENTIFIES AND APPLIES THE DIFFERENT MARKETING VISIONS, APPROACHES AND PRACTICES USED BY ENTREPRENEURS TO COMPETE IN HIGHLY COMPETITIVE MARKETS. FURTHER, THIS COURSE WILL IDENTIFY THE DIFFERING STRATEGIC AND TACTICAL FOCUSES AND APPLICATIONS USED BY TODAY'S ENTREPRENEURS INCLUSIVE OF THE STRATEGIC APPLICATION OF VARIOUS TECHNOLOGIES. Required Previous: ENTR-3103 or departmental approval.

ENTR-4403 Entrepreneurial Finance **3 Credits**
ENTREPRENEURIAL FINANCE FOCUSES ON THE PRIMARY FINANCIAL ELEMENTS NECESSARY IN STARTING, GROWING AND HARVESTING THE VENTURE. THESE ELEMENTS ARE: FINANCIAL ASSESSMENT OF OPPORTUNITY, MARSHALING RESOURCES, BOOTSTRAPPING, CREATING THE FINANCING PACKAGE, CASH FLOW, AND SOURCES OF CAPITAL. TOPICS INCLUDE: VALUATION; DEAL STRUCTURING; MERGER AND ACQUISITION; AND CAPITAL SOURCES (E.G. FOUNDERS, FAMILY, FRIENDS, ANGELS, VENTURE CAPITALISTS, AND BANKS). Required Previous: ENTR-3103 or departmental approval.

ENTR-4413 Business Planning and Strategy for Entrepreneurs 3 Credits
STUDENTS WILL LEARN TO EVALUATE AND ANALYZE VARIOUS ENTREPRENEURIAL OPPORTUNITIES AGAINST THEIR PERSONAL AND PROFESSIONAL GOALS AND LIFESTYLE CRITERIA. AFTER ASSESSING THE FEASIBILITY OF MULTIPLE OPPORTUNITIES, STUDENTS SELECT ONE TO RESEARCH AND FORM A STRATEGY FOR THE BUSINESS. STUDENTS WILL RESEARCH, COLLECT DATA, AND MAKE DECISIONS TO SHAPE THE BUSINESS. WITH THIS INFORMATION, STUDENTS WILL WRITE A FULL BUSINESS PLAN, INCLUDING A PRODUCT AND SERVICE PLAN, A MANAGEMENT AND ORGANIZATIONAL PLAN Required Previous: ENTR-3103 with a grade of C or higher or departmental approval.

ENTR-4503 Venture Creation 3 Credits
THIS CAPSTONE COURSE PROVIDES STUDENTS WITH A SERIES OF CONCEPTS, FRAMEWORKS AND ANALYTICAL TECHNIQUES THAT WILL ENABLE THE STUDENT TO MANAGE ENTREPRENEURIALLY IN RAPID GROWTH SITUATIONS. STUDENTS WILL LEARN TO ANTICIPATE THE UNIQUE AND SPECIFIC PROBLEMS THAT ACCOMPANY STARTING AND GROWING AN ENTREPRENEURIAL FIRM BY CREATING VALUE THROUGH INNOVATION AND OPPORTUNITY CAPTURE RATHER THAN BY JUST EFFICIENTLY MANAGING ONGOING OPERATIONS. IN ADDITION, STUDENTS WILL LEARN HOW TO FORMULATE AND COMPLETE Required Previous: ENTR-3103 with a grade of C or higher.

ENTR-4603 Entrepreneurship Internship 3 Credits
THE ENTREPRENEURSHIP INTERNSHIP INTRODUCES THE ENTREPRENEURSHIP STUDENT TO THE CULTURE OF THE ENTREPRENEUR. THE INTERNSHIP REQUIRES THE INTERN TO PARTICIPATE IN A SET OF PRE-SELECTED ACTIVITIES. A REQUIRED REPORT AND PORTFOLIO WILL DETAIL THEIR EXPERIENCES IN THE COMPANY. THE PORTFOLIO WILL INCLUDE COPIES OF THE WORK THEY HAVE DONE IN PERFORMANCE OF THEIR INTERNSHIP (E.G. MARKETING PLAN, STRATEGIC PLAN, BUSINESS PLAN, AND FINANCIAL STATEMENTS). THE REPORT WILL BE A NARRATIVE OF THEIR INTERNSHIP Required Previous: ENTR-3103 or departmental approval.

ENTR-H3103 Honors-Introduction to Entrepreneurship 3 Credits
THIS COURSE PROVIDES THE STUDENT WITH THE FUNDAMENTALS OF ENTREPRENEURSHIP AND COVERS THE ENTREPRENEURIAL PROCESS FORM CONCEPTION TO HARVEST OF THE NEW VENTURE. iT CONCENTRATES ON IDENTIFYING THE ATTRIBUTES OF ENTREPRENEURS, THE PROCESS OF SEARCHING FOR OPPORTUNITIES, EVALUATING THE VIABILITY OF A NEW VENTURE, FINANCING, STARTING AND OPERATING THE NEW VENTURE.

FINANCE (FIN)

FIN-1113 Financial Literacy 3 Credits
THIS COURSE INTRODUCES IDEAS, CONCEPTS, AND SKILLS THAT WILL ENABLE STUDENTS TO BECOME WISE AND KNOWLEDGEABLE CONSUMERS, SAVERS, INVESTORS, AND USERS OF CREDIT. A HANDS ON INSTRUCTIONAL APPROACH, THAT DIRECTLY APPLIES THE CONCEPTS LEARNED IN THIS COURSE TO THE MANAGEMENT OF MONEY, WILL EMPOWER STUDENTS TO INCORPORATE THESE TECHNIQUES IN THEIR DAILY LIVES AND BECOME EFFECTIVE PARTICIPANTS IN THE GLOBAL WORKFORCE AND SOCIETY.

FIN-3003 Financial Markets and Institutions 3 Credits
THIS COURSE INCREASES UNDERSTANDING OF FINANCIAL MARKETS AND INTERMEDIARIES IN THE UNITED STATES INCLUDING THE FUNDAMENTALS OF INTEREST RATES, THE MONEY SUPPLY PROCESS, THE MARKETS FOR STOCKS AND OTHER FINANCIAL INSTRUMENTS, THE U.S. COMMERCIAL BANKING INDUSTRY AND OTHER NON-BANK FINANCIAL INSTITUTIONS, FINANCIAL CRISES, RISK MANAGEMENT IN FINANCIAL INSTITUTIONS, CENTRAL BANKING, AND THE CONDUCT OF MONETARY POLICY. SPRING SEMESTER ONLY. Required Previous: ECON-2003 with a grade of C or higher or departmental approval.

FIN-3013 Fundamentals of Financial Planning 3 Credits
THE COURSE INTRODUCES STUDENTS TO THE FINANCIAL PLANNING PROCESS AND TO THE TECHNICAL SKILLS A COMPETENT FINANCIAL PLANNER MUST POSSESS IN ORDER TO SERVE HIS OR HER CLIENTS SUCCESSFULLY. STUDENTS WILL LEARN THE FUNDAMENTAL ELEMENTS OF FINANCIAL PLANNING (INSURANCE, INVESTMENTS, TAXATION, RETIREMENT PLANNING AND EMPLOYEE BENEFITS, AND ESTATE PLANNING) AND THEIR CORRESPONDING INTERRELATIONSHIP IN PROVIDING COMPREHENSIVE PERSONAL FINANCIAL PLANNING. THIS COURSE EXPLORES THE FINANCIAL PLANNING INDUS

FIN-3113 Financial Management 3 Credits
A STUDY OF THE PRINCIPLES, INSTITUTIONS, INSTRUMENTS AND PROCEDURES WHEREBY BUSINESS ENTERPRISES OBTAIN AND UTILIZE FUNDS TO FINANCE OPERATIONS. THE STUDY INVOLVES ANALYSIS AND EVALUATION OF FORMS OF BUSINESS ORGANIZATIONS, FINANCIAL PLANNING, INTERNAL AND EXTERNAL PROVISIONS OF SHORT-TERM AND LONG-TERM FINANCING FOR PROMOTION, EXPANSION AND REORGANIZATION. Required Previous: ACCT-2103 with a grade of C or higher or departmental approval.

FIN-3223 Investment Analysis 3 Credits
THIS COURSE EXPOSES STUDENTS TO THE CONCEPTS OF RISK AND RETURN, THE DIFFERENCES BETWEEN EQUITY AND FIXED INCOME INVESTMENTS, THE MATHEMATICS OF INVESTING, THE EVALUATION OF INVESTMENT THEORIES AND STRATEGIES, AND THE REGULATION OF THE INVESTMENT INDUSTRY. THE COURSE EXPLORES THE DIFFERENCE BETWEEN FUNDAMENTAL AND TECHNICAL ANALYSIS, AND STUDENTS WILL PERFORM BASIC BOND AND EQUITY VALUATIONS. THE COURSE INTRODUCES MODERN PORTFOLIO THEORY (ASSET ALLOCATION, DIVERSIFICATION, MARKET TIMING, AND SEC Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-3833 Commercial Bank Management 3 Credits
THIS INTRODUCTORY COURSE IN BANK MANAGEMENT PROVIDES AN OVERVIEW OF COMMERCIAL BANK MANAGEMENT. TOPICS INCLUDE: BANK SERVICES, ORGANIZATIONS AND REGULATORY ENVIRONMENT; ASSET AND LIABILITY MANAGEMENT; BANK CAPITAL, CASH ASSETS, AND THE COMPETITION FOR FUNDS; MANAGING THE INVESTMENT PORTFOLIO; EXTENDING CREDIT TO BUSINESS AND INDIVIDUALS, INTERNATIONAL BANKING; TRUST SERVICES; AND BANK MERGERS AND ACQUISITIONS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-3913 Insurance Planning and Risk Management 3 Credits
THIS COURSE EXPLORES THE FINANCIAL RISKS THAT INDIVIDUALS AND BUSINESSES FACE AND HOW THEY CAN MANAGE THESE RISKS, INCLUDING THE UTILIZATION OF INSURANCE SOLUTIONS. STUDENTS WILL BE EXPOSED TO THE PURPOSE, STRUCTURE AND COVERAGE OPTIONS OF THE FOLLOWING TYPES OF INSURANCE: HEALTH, DISABILITY, LONG-TERM CARE, LIFE, PROPERTY AND CASUALTY, AND MORE. THIS COURSE ALSO REVIEWS THE TAXATION OF INSURANCE BENEFITS AND HOW TAXATION SHOULD AFFECT A FINANCIAL PLANNER'S DECISION TO RECOMMEND INSURANCE SOLUTI

FIN-4103 Essentials of Banking and Finance 3 Credits
THE COURSE WILL COVER FINANCIAL AND BANKING PRODUCTS, BANKING REGULATIONS, PERSONAL FINANCIAL STATEMENT ANALYSIS AND ETHICAL ISSUES SPECIFIC TO THE ABOVE AREAS OF STUDY. STUDENT LEARNING WILL BE ENHANCED BY WORKING DIRECTLY WITH BUSINESS PROFESSIONALS IN THE AREAS

OF FINANCE AND BANKING. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: ECON-2003 with a grade of C or higher or departmental approval.

FIN-4113 International Financial Management 3 Credits
PROVIDES THE STUDENT WITH THE ANALYTICAL TOOLS NEEDED TO EVALUATE AND PROVIDE SOLUTIONS FOR PROBLEMS THAT ARE COMMONLY ENCOUNTERED IN INTERNATIONAL FINANCIAL MANAGEMENT. EMPHASIZES BASIC THEORETICAL MODELS OF EXCHANGE RATE DETERMINATION AND HEDGING EXCHANGE RATE RISK, INTERNATIONAL FINANCIAL TRANSACTIONS, THE LINK BETWEEN A NATION'S MACROECONOMIC ACCOUNTS AND ITS BALANCE OF PAYMENTS ACCOUNTS, PRIVATIZATION OF STATE-OWNED ENTERPRISES, AND INTERNATIONAL BANKING. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-4263 Real Estate Development and Investment 3 Credits
THIS COURSE INTRODUCES STUDENTS TO THE COMMERCIAL AND RESIDENTIAL REAL ESTATE DEVELOPMENT AND INVESTMENT PROCESS. COURSE MATERIALS, LECTURES, DISCUSSIONS AND CASES FOCUS ON ISSUES CRITICAL TO THE SUCCESS OF ANY NEW REAL ESTATE VENTURE, FROM THE INCEPTION OF AN IDEA TO THE DESIGN, CONSTRUCTION AND MANAGEMENT OF INCOME-PRODUCING REAL ESTATE. EMPHASIS IS PLACED ON IDENTIFYING DEVELOPMENT OPPORTUNITIES IN A RAPIDLY CHANGING REAL ESTATE ENVIRONMENT. THIS COURSE IS NORMALLY OFFERED IN THE SPRING SEMES Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-4623 Applied Finance 3 Credits
THIS COURSE ADDRESSES HOW A FIRM EFFECTIVELY RAISES AND INVESTS CAPITAL. IT EXAMINES BUSINESS VALUATION AND FINANCIAL PERFORMANCE, FINANCIAL STATEMENT FORECASTING, AND EFFECTIVE WORKING CAPITAL MANAGEMENT. THIS COURSE IS NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-5103 Finance for Managers 3 Credits
THIS COURSE SHOWS MANAGERS HOW TO INTERFACE WITH ACCOUNTING AND FINANCE DEPARTMENTS AND UNDERSTAND HOW FIRMS MEET THEIR FINANCIAL OBJECTIVES UTILIZING FINANCIAL DECISION-MAKING SKILLS. THIS COURSE EXPLAINS FINANCIAL TOOLS AND TECHNIQUES THAT MANAGERS USE TO MAXIMIZE THE VALUE OF THEIR BUSINESS. COURSE TOPICS INCLUDE FINANCIAL STATEMENT ANALYSIS, DISCOUNTED CASH FLOW VALUATION, STOCK AND BOND VALUATION, TERM STRUCTURE OF INTEREST RATES, CAPITAL STRUCTURE AND BUDGETING UNDER CERTAINTY AND UNCERTAI

FIN-H3003 Honors-Money and Banking 3 Credits
THE COURSE EXAMINES CENTRAL BANKS AND THE FEDERAL RESERVE SYSTEM, MONEY AND MONETARY POLICY, INTEREST RATES, FOREIGN EXCHANGE MARKETS, THE INTERNATIONAL FINANCIAL SYSTEM, COMMERCIAL BANKS, SAVING ASSOCIATIONS AND CREDIT UNIONS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: ECON-2003 with a grade of C or higher or departmental approval.

FIN-H3113 Honors-Financial Management 3 Credits
A STUDY OF THE PRINCIPLES, INSTITUTIONS, INSTRUMENTS AND PROCEDURES WHEREBY BUSINESS ENTERPRISES OBTAIN AND UTILIZE FUNDS TO FINANCE OPERATIONS. THE STUDY INVOLVES ANALYSIS AND EVALUATION OF FORMS OF BUSINESS ORGANIZATIONS, FINANCIAL PLANNING, INTERNAL AND EXTERNAL PROVISIONS OF SHORT-TERM AND LONG-TERM FINANCING FOR PROMOTION, EXPANSION AND REORGANIZATION. Required Previous: ACCT-2103 with a grade of C or higher or departmental approval.

FIN-H3223 Honors-Investment Analysis and Planning 3 Credits
THIS COURSE EXPOSES STUDENTS TO THE CONCEPTS OF RISK AND RETURN, THE DIFFERENCES BETWEEN EQUITY AND FIXED INCOME INVESTMENTS, THE MATHEMATICS OF INVESTING, THE EVALUATION OF INVESTMENT THEORIES AND STRATEGIES, AND THE REGULATION OF THE INVESTMENT INDUSTRY. THE COURSE EXPLORES THE DIFFERENCE BETWEEN FUNDAMENTAL AND TECHNICAL ANALYSIS, AND STUDENTS WILL PERFORM BASIC BOND AND EQUITY VALUATIONS. THE COURSE INTRODUCES MODERN PORTFOLIO THEORY (ASSET ALLOCATION, DIVERSIFICATION, MARKET TIMING, AND SEC Required Previous: FIN-3113 with a grade of C or higher or deaprtmental approval.

FIN-H3833 Honors-Commercial Bank Management 3 Credits
THIS INTRODUCTORY COURSE IN BANK MANAGEMENT PROVIDES AN OVERVIEW OF COMMERCIAL BANK MANAGEMENT. TOPICS INCLUDE: BANK SERVICES, ORGANIZATIONS AND REGULATORY ENVIRONMENT; ASSET AND LIABILITY MANAGEMENT; BANK CAPITAL, CASH ASSETS, AND THE COMPETITION FOR FUNDS; MANAGING THE INVESTMENT PORTFOLIO; EXTENDING CREDIT TO BUSINESS AND INDIVIDUALS, INTERNATIONAL BANKING; TRUST SERVICES; AND BANK MERGERS AND ACQUISITIONS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FRENCH (FREN)

FREN-1113 Elementary French I 3 Credits
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

FREN-1223 Elementary French II 3 Credits
CONTINUATION OF 1113, FUNDAMENTALS OF GRAMMAR, TRANSLATIONS OF INCREASED DIFFICULTY. Required Previous: FREN-1113 OR EQUIVALENT IN HIGH SCHOOL

FREN-2113 Intermediate French I 3 Credits
FRENCH COMPOSITION, REVIEW OF GRAMMAR, READING. Required Previous: FREN-1223

FREN-2223 Intermediate French II 3 Credits
FRENCH READING, ADAPTED NOVELS OR SHORT STORIES.

FREN-4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-4982 Seminar- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-H1113 Honors-Elementary French I **3 Credits**
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

GEOGRAPHY CARTOGRAPHY (GECAR)

GECAR-3233 Geospatial Research Design and Analysis **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SPATIAL RESEARCH. Required Previous: CARTO-2253

GECAR-4653 Senior Capstone Projects **3 Credits**
THIS COURSE REQUIRES STUDENTS TO DEVELOP, IMPLEMENT AND PRESENT THE RESULTS OF A SUBSTANTIVE INDIVIDUALIZED PROJECT IN CARTOGRAPHY, GIS, REMOTE SENSING AND/OR GEOGRAPHY. Required Previous: GECAR-3233

GECAR-H3233 Honors-Geospatial Research Design and Analysis **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SPATIAL RESEARCH. Required Previous: CARTO-2253

GECAR-H4653 Honors-Senior Capstone Projects **3 Credits**
THIS COURSE REQUIRES STUDENTS TO DEVELOP, IMPLEMENT AND PRESENT THE RESULTS OF A SUBSTANTIVE INDIVIDUALIZED PROJECT IN CARTOGRAPHY, GIS, REMOTE SENSING AND/OR GEOGRAPHY. Required Previous: GECAR-3233

GEOGRAPHY EDUCATION (GEOED)

GEOED-S5981 Seminar in Geography Education (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOGRAPHY (GEOG)

GEOG-1113 Elements of Human Geography **3 Credits**
THE MAJOR ORGANIZING CONCEPTS OF SOCIAL, ECONOMIC, POPULATION, AND CULTURAL GEOGRAPHY. PEOPLE'S GEOGRAPHIC BEHAVIOR IN TERMS OF THEIR SPATIAL ORGANIZATION OF THE EARTH'S SURFACE AND THEIR DEVELOPMENT OF REGIONAL AND POLITICAL SYSTEMS.

GEOG-1214 Earth Science **4 Credits**
SURFACE FEATURES OF THE EARTH, LANDFORMS, WATERS, ROCKS, MINERALS, WEATHER CLIMATE, AND SOILS, LABORATORY AND FIELD STUDY INCLUDED. Required Previous: If that student has a science deficiency it must be remediated by completing PHSCI-0123.

GEOG-1214L Earth Science Laboratory **0 Credits**
LAB COURSE FOR GEOG-1214.

GEOG-2513 World Regional Geography **3 Credits**
THE WORLD'S MAJOR CULTURAL REGIONS, WITH EMPHASIS ON GEOGRAPHIC ASPECTS OF CONTEMPORARY ECONOMIC, SOCIAL AND POLITICAL RELATIONSHIPS WITH THE PHYSICAL ENVIRONMENT.

GEOG-2881 Special Studies in Geography (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-2882 Special Studies in Geography (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-2883 Special Studies in Geography (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-2884 Special Studies in Geography (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-3213 Conservation of Natural Resources **3 Credits**
A STUDY OF CURRENT PROBLEMS IN CONSERVATION OF NATURAL RESOURCES WITH AN EMPHASIS ON SOLUTIONS. TOPICS INCLUDE POPULATION, DEFORESTATION, WATER ISSUES, AND CLIMATIC CHANGE. Required Previous: GEOG-1113

GEOG-3223 Geography of Oklahoma **3 Credits**
A STUDY OF THE PHYSICAL REGIONS, CULTURE, POPULATION, DISTRIBUTION, ECONOMIC DEVELOPMENT, AND RECREATIONAL RESOURCES OF OKLAHOMA.

GEOG-3323 Economic Geography **3 Credits**
PROCESSES SIGNIFICANT TO THE SPATIAL STRUCTURE OF ECONOMIC SYSTEMS. ECONOMIC ACTIVITIES SUCH AS PRODUCTION, CONSUMPTION AND SITE SELECTION ARE EXAMINED FROM LOCATIONAL, DISTRIBUTIONAL, AND SPATIAL INTERACTION PERSPECTIVES. COMPUTER LAB COMPONENT CONSISTS OF THE USE OF BUSINESS GEOGRAPHICS SOFTWARE APPLICATIONS.

GEOG-3413 Weather and Climate **3 Credits**
THE ELEMENTS OF WEATHER AND CLIMATE WITH DAILY METEOROLOGICAL OBSERVATIONS, WEATHER REGIONS AND ORIGINS. WEATHER CONDITIONS AS THEY AFFECT MAN, ANIMAL LIFE AND VEGETATION. CLIMATIC REGIONS.

GEOG-3613 Field Studies in Regional Geography **3 Credits**
INTENSIVE STUDY OF THE GEOGRAPHIC FEATURES OF A REGION OR REGIONS THROUGH DIRECT OBSERVATIONS AND TRAVEL USING APPROPRIATE FIELD STUDY METHODS. THIS COURSE IS OFFERED IN THE SUMMER FOR UNDERGRADUATE STUDENTS.

GEOG-3614 Field Studies in Regional Geography **4 Credits**
INTENSIVE STUDY OF THE GEOGRAPHIC FEATURES OF A REGION OR REGIONS THROUGH DIRECT OBSERVATIONS AND TRAVEL USING APPROPRIATE FIELD STUDY METHODS. THIS COURSE IS OFFERED IN THE SUMMER FOR UNDERGRADUATE STUDENTS.

GEOG-3615 Field Studies in Regional Geography **5 Credits**
INTENSIVE STUDY OF THE GEOGRAPHIC FEATURES OF A REGION OR REGIONS THROUGH DIRECT OBSERVATIONS AND TRAVEL USING APPROPRIATE FIELD STUDY METHODS. THIS COURSE IS OFFERED IN THE SUMMER FOR UNDERGRADUATE STUDENTS.

GEOG-4981 Seminar in Geography (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4982 Seminar in Geography (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4983 Seminar in Geography (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4984 Seminar in Geography (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4991 Individual Studies in Geography (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4992 Individual Studies in Geography (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4993 Individual Studies in Geography (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4994 Individual Studies in Geography (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-5613 Geographic Field Studies of Regions **3 Credits**
GEOGRAPHIC AND HISTORIC STUDIES OF REGIONS, INCLUDING BOTH PHYSICAL AND CULTURAL FEATURES, THROUGH DIRECTED EDUCATIONAL TRAVEL, WITH EMPHASIS ON OBSERVATION AND INTERPRETATION.

GEOG-5614 Geographic Field Studies of Regions **4 Credits**
GEOGRAPHIC AND HISTORIC STUDIES OF REGIONS, INCLUDING BOTH PHYSICAL AND CULTURAL FEATURES, THROUGH DIRECTED EDUCATIONAL TRAVEL, WITH EMPHASIS ON OBSERVATION AND INTERPRETATION.

GEOG-5615 Geographic Field Studies of Regions **5 Credits**
GEOGRAPHIC AND HISTORIC STUDIES OF REGIONS, INCLUDING BOTH PHYSICAL ANDCULTURAL FEATURES, THROUGH DIRECTED EDUCATIONAL TRAVEL, WITH EMPHASIS ON OBSERVATION AND INTERPRETATION.

GEOG-5981 Seminar in Geography (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5982 Seminar in Geography (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5983 Seminar in Geography (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5984 Seminar in Geography (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5991 Individual Studies in Geography (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-5992 Individual Studies in Geography (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-5993 Individual Studies in Geography (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-5994 Individual Studies in Geography (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-H3213 Honors-Conservation of Natural Resources 3 Credits
A STUDY OF CURRENT PROBLEMS IN CONSERVATION OF NATURAL RESOURCES WITH AN EMPHASIS ON SOLUTIONS. TOPICS INCLUDE POPULATION, DEFORESTATION, WATERISSUES, AND CLIMATIC CHANGE. Required Previous: GEOG-1113

GEOG-S4981 Seminar in Geography (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-S5981 Seminar in Geography (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOLOGY (GEOL)

GEOL-1114 Introduction to Geology 4 Credits
INTRODUCTION TO THE FUNDAMENTAL CONCEPTS OF GEOLOGY INCLUDING THEIR APPLICATION TO GROUNDWATER, HYDROGEOLOGY, LANDFORMS, MINERAL AND FOSSIL FUEL EXPLORATION.

GERMAN (GER)

GER-1113 Elementary German I 3 Credits
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

GER-1223 Elementary German II 3 Credits
CONTINUATION OF COURSE 1113, FUNDAMENTALS OF GRAMMAR, READING OF INCREASED DIFFICULTY. Required Previous: GER-1113

GER-4981 Seminar in German 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GER-4982 Seminar in German 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GER-4983 Seminar in German 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GER-4984 Seminar in German 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOGRAPHY - SOCIOLOGY (GESOC)

GESOC-4413 Demography 3 Credits
STUDY OF THE SOCIAL PROCESSES RELATED TO DIFFERENTIALS IN FERTILITY, MORTALITY, AND SELECTIVE POPULATION MOVEMENTS. Required Previous: GEOG-1113 or SOC-1113

GESOC-4853 Comparative Cultures 3 Credits
A COMPARISON OF THE CULTURES, SOCIAL ORGANIZATIONS, BEHAVIOR PATTERNS, AND GEOGRAPHICAL ENVIRONMENTS OF SELECTED SOCIETIES. IN THIS COURSE THERECIPROCAL RELATIONSHIP BETWEEN MAN AND HIS OR HER NATURAL ENVIRONMENT IS STRESSED.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

GIS-2253 Initial Concepts in GIS 3 Credits
AN INTRODUCTION TO THE CONCEPTS, PRINCIPLES, AND THEORIES OF GIS, WITH EMPHASIS ON THE NATURE AND COMMUNICATION OF GEOGRAPHIC INFORMATION. DATA COLLECTION, STORAGE, MANIPULATION AND BASIC SPATIAL ANALYSIS METHODS ARE COVERED.

GIS-3613 Digital Mapping 3 Credits
APPLICATION OF CARTOGRAPHIC PRINCIPLES FOR COMPLEX AND EFFICIENT MAPPING TASKS INCLUDING ATLAS PRODUCTION, CREATION OF ONLINE AND INTERACTIVE MAPS, ANIMATED MAPPING, TERRAIN MAPPING, AND PERSPECTIVE GRAPHICS. Required Previous: GIS-2253

GIS-3953 Spatial Analysis 3 Credits
METHODS TO SPATIAL PROBLEMS WITH AN EMPHASIS ON GEOSPATIAL DATASET MANAGEMENT AND CONTROL. EXPLORATION OF HOW TO IDENTIFY CHANGE, DISTANCE, DENSITY, AND DISTRIBUTION, OF GEOSPATIAL DATA. Required Previous: GIS-2253 or Departmental Approval

GIS-4753 Spatial Programming 3 Credits
AN INTRODUCTION TO COMMON PROGRAMMING AND DATABASE LANGUAGES. TOPICS INCLUDE DATA TYPES, CONTROL FLOW, OBJECT-ORIENTED PROGRAMMING, RELATIONAL DATABASES, THE DEFINITION, MANIPULATION, AND RETRIEVAL OF DATA, AND GRAPHICAL USER INTERFACE-DRIVEN APPLICATIONS. Required Previous or Concurrent: CMPSC-1113

GIS-4953 Automating GIS Workflows **3 Credits**
PRESENTATION ON ADVANCED DIGITAL DATA STRUCTURES AND THE USE OF SOFTWARE APPLICATIONS FOR MAINTAINING AND UTILIZING GEOGRAPHIC INFORMATION. EACH STUDENT WILL DEVELOP AND IMPLEMENT A GIS ANALYSIS MODEL. Required Previous: GIS-4753

GIS-5613 Digital Mapping **3 Credits**
ADVANCED GRADUATE STUDY OF THE APPLICATIONS OF CARTOGRAPHIC PRINCIPLES FOR COMPLEX AND EFFICIENT MAPPING TASKS INCLUDING ATLAS PRODUCTION, CREATION OF ONLINE AND INTERACTIVE MAPS, ANIMATED MAPPING, TERRAIN MAPPING, AND PERSPECTIVE GRAPHICS.

GIS-5753 Spatial Programming **3 Credits**
ADVANCED GRADUATE STUDY OF PROGRAMMING AND DATABASE LANGUAGES. TOPICS INCLUDE DATA TYPES, CONTROL FLOW, OBJECT-ORIENTED PROGRAMMING, RELATIONAL DATABASES, THE DEFINITION, MANIPULATION, AND RETRIEVAL OF DATA, AND GRAPHICAL USER INTERFACE-DRIVEN APPLICATIONS. Required Previous or Concurrent: Take GIS-5613

GIS-5913 Spatial Analysis **3 Credits**
ADVANCED GRADUATE STUDY OF THE METHODS TO SPATIAL PROBLEMS WITH AN EMPHASIS ON GEOSPATIAL DATASET MANAGEMENT AND CONTROL. EXPLORATION OF HOW TO IDENTIFY CHANGE, DISTANCE, DENSITY, AND DISTRIBUTION, OF GEOSPATIAL DATA. Required Previous or Concurrent: Take GIS-5613

GIS-5953 GIS Workflows **3 Credits**
GRADUATE STUDY AND ADVANCED PRESENTATION ON DIGITAL DATA STRUCTURES AND THE USE OF SOFTWARE APPLICATIONS FOR MAINTAINING AND UTILIZING GEOGRAPHIC INFORMATION. EACH GRADUATE STUDENT WILL DEVELOP AND IMPLEMENT A ADVANCED GIS AND ANALYSIS MODEL. Required Previous or Concurrent: Take GIS-5613 or GIS-5753

(H/P/E)

H/P/E-5343 Marriage, Family, and Group Counseling **3 Credits**
A SURVEY OF THE MAJOR THEORIES, METHODS AND TECHNIQUES USED IN THE TREATMENT OF MARITAL AND FAMILY PROBLEMS WITH PARTICULAR EMPHASIS ON THE LEGAL AND ETHICAL ISSUES IN GROUP, MARRIAGE AND FAMILY COUNSELING. EMPHASIS IS ALSO GIVEN TO THE SPECIAL NEEDS OF MULTI-CULTURAL GROUPS AND PEOPLE WITH DISABILITIES.

H/P/E-5443 Advanced Group Counseling **3 Credits**
MAJOR CONTRIBUTIONS TO GROUP COUNSELING THEORIES ARE STUDIED. THE ROLE OF GROUP WORK AS A DEVELOPMENTAL OR PREVENTIVE APPROACH IS EMPHASIZED. MULTI-CULTURAL CONCERNS AND THE NEEDS OF PEOPLE WITH DISABILITIES ARE ALSO STRESSED. Required Previous: EDPSY-5433

HUMAN DEVELOPMENT HOSPITALITY FOOD SERV. (HHFS)

HHFS-1113 Apparel Design and Construction **3 Credits**
THIS COURSE IS DESIGNED TO TEACH THE BEGINNING SEWIST/SEWER HOW TO CONSTRUCT CLOTHING. ONE OF THE GOALS IS TO PROVIDE THE STUDENT WITH THE UNDERSTANDING OF GOOD VS. BAD CONSTRUCTION PRINCIPLES, WHICH TRANSLATE TO THE BUYING, AND SELLING OF WHOLESALE/RETAIL TEXTILES. THIS CLASS ALLOWS THE STUDENTS TO DEVELOP THEIR FIBER ARTIST EYE IN THE PRODUCTION OF GARMENTS.

HHFS-1213 Fibers, Yarns and Textiles in an Emerging Economy **3 Credits**
EVER WONDERED WHAT IS REALLY IN THE CLOTHING YOU WEAR, THE SHEETS YOU SLEEP ON OR YOUR CAR SEAT THIS CLASS IS AN INCLUSIVE LOOK AT HOW FIBERS, YARNS AND FABRICS PLAY A VITAL ROLE IN OUR EMERGING ECONOMY. EXPLORE VARIOUS FIBERS, END USES, ECO-FRIENDLY MANUFACTURING, AND FAIR TRADE.

HHFS-1523 Careers/Foundations in Human Development , Hospitality & Food Science **3 Credits**
PROFESSIONAL ORIENTATION AND OPPORTUNITIES IN VARIOUS HUMAN DEVELOPMENT, HOSPITALITY, AND FOOD SCIENCE CAREER FIELDS. EMPHASIS ON ACADEMIC PREPARATION, CREDENTIALING, AND NETWORKING WITHIN CAREER AND TECHNICAL EDUCATION, HOSPITALITY, DIETETICS, COOPERATIVE EXTENSION, AND MORE.

HHFS-2193 Retail Merchandising **3 Credits**
LEARN ABOUT PROFESSIONAL SALES THROUGH CASE STUDIES, CURRENT TRENDS, AND TECHNIQUES OF SOLVING RETAIL MERCHANDISING PROBLEMS.

HHFS-2463 Human Development I: Lifespan Human Development **3 Credits**
LIFESPAN HUMAN DEVELOPMENT, STUDY OF HUMAN DEVELOPMENT FROM A LIFE SPAN PERSPECTIVE USING ECOLOGICAL SYSTEMS AND OTHER THEORIES.

HHFS-2881 Special Study in Human Development, Hospitality and Food Science (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HHFS-2882 Special Study in Human Development, Hospitality and Food Science (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HHFS-2883 Special Study in Human Development, Hospitality and Food Science (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HHFS-2884 Special Study in Human Development, Hospitality and Food Science (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HHFS-3013 Consumerism **3 Credits**
AN ANALYSIS OF MARKET SEGMENTATION, TARGET MARKETING, TECHNOLOGIES, AND CUSTOMER SATISFACTION. EMPHASIS ON THE CONSUMER ROLE CONCERNING POLITICAL, SOCIAL, AND CULTURAL IMPLICATIONS.

HHFS-3114 Food Science: Service, Safety & Sanitation **4 Credits**
CHEMICAL, PHYSICAL, SENSORY, AND NUTRITIONAL PROPERTIES OF FOOD RELATED TO PROCESSES USED IN FOOD PREPARATION. COURSEWORK PREPARES STUDENTS FOR NATIONAL SERVSAFE MANAGER CERTIFICATION. THIS COURSE ALSO INCLUDES A FOODS LAB.

HHFS-3133 Foundations of Interior Design **3 Credits**
INTRODUCTION TO THE INTERIOR DESIGN PROFESSION AND PRACTICE INCLUDING SOCIALLY AND ENVIRONMENTALLY RESPONSIBLE DESIGN IDEOLOGY. DESIGN STYLES RANGE FROM ANTIQUITIES TO CONTEMPORARY TO MEET THE GROWING NEEDS IN INTERIORS THROUGH RESTAURANTS, EVENT CENTERS, TRADE SHOWS, RETAIL STORES, AS WELL AS COMMERCIAL AND RESIDENTIAL REAL ESTATE.

HHFS-3223 Meeting & Event Management **3 Credits**
OVERVIEW OF VARIOUS EVENT MANAGEMENT INDUSTRIES. TECHNIQUES, PROCEDURES AND TECHNOLOGIES REQUIRED FOR PRODUCING SUCCESSFUL AND SUSTAINABLE GLOBAL EVENTS. STUDENTS WILL DEMONSTRATE SKILLS AND PROCESSES THROUGH CASE STUDIES AND EXPERIENTIAL LEARNING MODALITIES.

HHFS-3233 Introduction to the Hospitality Industry **3 Credits**
THE HOSPITALITY INDUSTRY IS ONE OF THE WORLD'S LARGEST INDUSTRIES. THIS COURSE COVERS ITS GROWTH AND PROGRESS. TOPICS INCLUDE TOURISM, LODGING, RESORTS, GAMING, RESTAURANTS, FOODSERVICE, AND CLUBS.

HHFS-3313 Merchandise Buying **3 Credits**
ANALYSIS OF MARKETS AND MERCHANDISING. A QUANTITATIVE PROCEDURE FOR PLANNING AND ANALYZING SALES, PROFIT, AND INVENTORY. FIELD EXPERIENCE REQUIRED.

HHFS-3413 Aesthetic Design & Analysis in Visual Marketing **3 Credits**
THIS COURSE IS AN IN-DEPTH LOOK AT THE EFFECTS COLORS PLAY IN A COMPANY OR INDIVIDUALS SUCCESS IN THE BUSINESSES WORK. LEARNING WHAT IT TAKES TO GET THE CUSTOMERS OR TARGET MARKET TO PAY ATTENTION TO THE IMAGES THAT ARE PRESENTED TO THEM IN ORDER TO ENHANCE PROFITS.

HHFS-3514 Food Production Management **4 Credits**
PRINCIPLES OF FOOD PRODUCTION. STUDENTS WILL APPLY SKILLS IN PROCUREMENT, QUANTITY AND QUALITY PRODUCTION, HAZARD ANALYSIS CRITICAL CONTROL POINT (HACCP) SYSTEMS, AND WORK SIMPLIFICATION. COURSEWORK PREPARES STUDENTS FOR NATIONAL SERVSAFE CERTIFICATION. THIS COURSE ALSO INCLUDES A FOODS LAB.

HHFS-3514L Food Production Management Lab **0 Credits**
LAB COURSE FOR HHFS-3514.

HHFS-3623 Event Promotion **3 Credits**
PRODUCTION AND EVALUATION OF EVENT PLANNING AND PROMOTION. Required Previous: HHFS-3223

HHFS-3733 Hospitality Management **3 Credits**
EXPLORE MANAGEMENT IN THE ENVIRONMENT OF THE HOSPITALITY INDUSTRY. LEARN HOW TO PLAN STAFFING, EXAMINE LAWS, TRAIN EMPLOYEES, AND TO MAINTAIN A POSITIVE ENVIRONMENT.

HHFS-3813 Internship **3 Credits**
DIRECTED PRACTICAL EXPERIENCES IN AN APPROVED WORK SITUATION RELATED TO INDUSTRY OF CHOICE.

HHFS-3912 Life Span Nutrition **2 Credits**
INVESTIGATE HOW NUTRITION REQUIREMENTS CHANGE THROUGHOUT THE HUMAN LIFECYCLE AND HOW CHANGING NUTRITIONAL INTAKE IMPACTS HUMAN HEALTH.

HHFS-4113 Advanced Clothing Design, Fit & Tailoring **3 Credits**
THIS CLASS LINKS WHOLESALE, RETAIL, SMALL, AND LARGE SCALE COMPANY SEWING AND DESIGN. STUDENTS RECEIVE A HANDS-ON APPROACH TO BETTER UNDERSTAND HOW TO MANUFACTURE, PURCHASE AND MARKET CLOTHING OR ANY PRODUCT THAT IS PRODUCED OUT OF FABRIC.

HHFS-4213 Human Development II: Prenatal to Emerging Adulthood **3 Credits**
TOPICS IN HUMAN DEVELOPMENT: PRENATAL TO EMERGING ADULTHOOD. MAJOR THEORIES AND RESEARCH ON DEVELOPMENT AND ECOLOGICAL INFLUENCES. EXAMINATION OF CHANGE IN PHYSICAL, COGNITIVE/LANGUAGE, SOCIOEMOTIONAL DEVELOPMENT IN CHILDREN UNDER AGE 9. EMPHASIS ON THE SEARCH FOR IDENTITY, SEXUALITY, VOCATIONAL CHOICE AND INTERPERSONAL RELATIONS IN ADOLESCENTS. Required Previous: HHFS-2463

HHFS-4313 Issues in Housing **3 Credits**
ANALYSIS OF HOUSING ISSUES SUCH AS SOCIO-ECONOMIC LEVELS, DESIGN STYLES, FAMILY STRUCTURES, CULTURAL INFLUENCES, AND ENVIRONMENTAL SUSTAINABILITY. STUDENTS CREATE SOLUTIONS TO MODERN HOUSING PROBLEMS.

HHFS-4443 Human Development III: Adult Spectrum **3 Credits**
RELATIONSHIP DEVELOPMENT IN THE ADULT SPECTRUM. THEORY AND RESEARCH ON THE FORMATION AND DEVELOPMENT OF, INTERPERSONAL RELATIONSHIPS IN DATING, FRIENDSHIP, AND THE WORKPLACE. APPLYING FAMILY THEORIES OF DIVERSE FAMILY SYSTEMS ACROSS THE MIDDLE AND LATER YEARS OF LIFE. Required Previous: HHFS-2463

HHFS-4523 Strategies in Resource & Personnel Leadership **3 Credits**
A STUDY OF STRATEGIC AND OPERATIONAL PLANNING, PROBLEM SOLVING, AND DECISION MAKING, LEADERSHIP AND MOTIVATION IN THE WORKPLACE, USE OF RESOURCES, AND VARIOUS BEST PRACTICES OF SUCCESSFUL MANAGEMENT. KEY TOPICS INCLUDE MANAGEMENT CONCEPTS, DIVERSITY, ETHICS, TECHNOLOGY, AND GLOBALIZATION.

HHFS-4981 Seminar in Human Development, Hospitality and Food Science (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECTS OR PROBLEMS.

HHFS-4982 Seminar in Human Development, Hospitality and Food Science (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECTS OR PROBLEMS.

HHFS-4983 Seminar in Human Development, Hospitality and Food Science (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECTS OR PROBLEMS.

HHFS-4984 Seminar in Human Development, Hospitality and Food Science (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECTS OR PROBLEMS.

HHFS-4991 Individual Study in Human Development, Hospitality and Food Science (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

HHFS-4992 Individual Study in Human Development, Hospitality and Food Science (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

HHFS-4993 Individual Study in Human Development, Hospitality and Food Science (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

HHFS-4994 Individual Study in Human Development, Hospitality and Food Science (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

HHFS-5981 Seminar in Human Development, Hospitality, and Food Science (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC.

HHFS-5982 Seminar in Human Development, Hospitality, and Food Science (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC.

HHFS-5983 Seminar in Human Development, Hospitality, and Food Science (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC.

HHFS-5984 Seminar in Human Development, Hospitality, and Food Science (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC.

HHFS-5991 Individual Study in Human Development, Hospitality, and Food Science (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

HHFS-5992 Individual Study in Human Development, Hospitality, and Food Science (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

HHFS-5993 Individual Study in Human Development, Hospitality, and Food Science (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

HHFS-5994 Individual Study in Human Development, Hospitality, and Food Science (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

HHFS-H1213 Emerging Economy 3 Credits
EVER WONDERED WHAT IS REALLY IN THE CLOTHING YOU WEAR, THE SHEETS YOU SLEEP ON OR YOUR CAR SEAT THIS CLASS IS AN INCLUSIVE LOOK AT HOW FIBERS, YARNS AND FABRICS PLAY A VITAL ROLE IN OUR EMERGING ECONOMY. EXPLORE VARIOUS FIBERS, END USES, ECO-FRIENDLY MANUFACTURING, AND FAIR TRADE.

HHFS-H1513 Honors-Basic Nutrition 3 Credits
PRINCIPLES OF NUTRITION APPLIED TO PERSONAL FOOD CHOICES AND HEALTH.

HHFS-H3133 Honors-Foundations of Interior Design 3 Credits
INTRODUCTION TO THE INTERIOR DESIGN PROFESSION AND PRACTICE INCLUDING SOCIALLY AND ENVIRONMENTALLY RESPONSIBLE DESIGN IDEOLOGY. DESIGN STYLES RANGE FROM ANTIQUITIES TO CONTEMPORARY TO MEET THE GROWING NEEDS IN INTERIORS THROUGH RESTAURANTS, EVENT CENTERS, TRADE SHOWS, RETAIL STORES, AS WELL AS COMMERCIAL AND RESIDENTIAL REAL ESTATE.

HHFS-H3313 Honors-Merchandise Buying 3 Credits
ANALYSIS OF MARKETS AND MERCHANDISING. A QUANTITATIVE PROCEDURE FOR PLANNING AND ANALYZING SALES, PROFIT, AND INVENTORY. FIELD EXPERIENCE REQUIRED.

HHFS-H3623 Honors-Event Promotion 3 Credits
PRODUCTION AND EVALUATION OF EVENT PLANNING AND PROMOTION.

HHFS-H3813 Honors-Internship 3 Credits
DIRECTED PRACTICAL EXPERIENCES IN AN APPROVED WORK SITUATION RELATED TO INDUSTRY OF CHOICE.

HHFS-H4443 Honors-Human Development III: Adult Spectrum **3 Credits**
RELATIONSHIP DEVELOPMENT IN THE ADULT SPECTRUM. THEORY AND RESEARCH ON THE FORMATION AND DEVELOPMENT OF INTERPERSONAL RELATIONSHIPS IN DATING, FRIENDSHIP, AND THE WORKPLACE. APPLYING FAMILY THEORIES OF DIVERSE FAMILY SYSTEMS ACROSS THE MIDDLE AND LATER YEARS IN LIFE. Required Previous: HHFS-2463

HHFS-H4523 Strategies in Resource & Personnel Leadership **3 Credits**
A STUDY OF STRATEGIC AND OPERATIONAL PLANNING, PROBLEM SOLVING, AND DECISION MAKING, LEADERSHIP AND MOTIVATION IN THE WORKPLACE, USE OF RESOURCES, AND VARIOUS BEST PRACTICES OF SUCCESSFUL MANAGEMENT. KEY TOPICS INCLUDE MANAGEMENT CONCEPTS, DIVERSITY, ETHICS, TECHNOLOGY, AND GLOBALIZATION.

HEALTH INFORMATION (HIM)

HIM-4633L Health Information Systems Laboratory **0 Credits**
LAB COURSE FOR HIM-4633.

HIM-4813L Health Information Management Laboratory **0 Credits**
LAB COURSE FOR HIM-4813.

HISTORY (HIST)

HIST-1113 Foundations of Western Civilization **3 Credits**
FOUNDATIONS OF WESTERN CIVILIZATION WILL REPRESENT A MORE TOPICAL AND LESS CHRONOLOGICAL APPROACH THAN THE FIRST HALF/SECOND HALF PAIRING OF EARLY WESTERN CIVILIZATION AND MODERN WESTERN CIVILIZATION CURRENTLY REFLECTS. ALSO, TRANSFORMATION OF MODERN WESTERN CIVILIZATION TO MODERN WORLD HISTORY MAY BE ENVISIONED IN THE FUTURE WHICH WOULD LEAVE EARLY WESTERN CIVILIZATION A FIRST HALF COURSE WITHOUT A SECOND HALF.

HIST-1123 Modern Western Civilization **3 Credits**
A STUDY OF EUROPEAN AND WORLD CIVILIZATION 1660 TO THE PRESENT, INCLUDING THE DEVELOPMENT OF INDIVIDUAL NATIONS, PRINCIPAL INTERNATIONAL CONFLICTS, AND CULTURAL MOVEMENTS. THIS COURSE SURVEYS THE SCIENTIFIC REVOLUTION, THE LITERATURE AND PHILOSOPHY OF THE ENLIGHTENMENT, LITERATURE, MUSIC, AND ART IN THE CLASSICAL AND ROMANTIC PERIODS, THE MANNER IN WHICH PEOPLE LIVED, THE FRENCH REVOLUTION, THE INDUSTRIAL REVOLUTION, SOCIALISM, MARXISM, AND THE RISE OF DEMOCRACY.

HIST-2003 Introduction to Historic Preservation **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE PRESERVATION OF THE BUILT ENVIRONMENT. STUDENTS WILL EXAMINE THE HISTORY AND PHILOSOPHY OF HISTORIC PRESERVATION IN THE UNITED STATES AND LEARN HOW IT IS PRACTICED TODAY.

HIST-2213 Oklahoma History **3 Credits**
AN INTRODUCTORY OVERVIEW OF OKLAHOMA HISTORY FROM PRE-HISTORY TO THE PRESENT.

HIST-2223 Medicine in World History **3 Credits**
THIS COURSE EXAMINES THE HISTORY OF MEDICINE IN WORLD HISTORY, STARTING FROM THE THEORIES OF THE ANCIENT WORLD THROUGH MODERN PRACTICES.

HIST-2483 United States History Survey to 1877 **3 Credits**
AN INTRODUCTORY OVER-VIEW OF UNITED STATES HISTORY FROM BEGINNINGS THROUGH RECONSTRUCTION FOLLOWING THE CIVIL WAR.

HIST-2493 United States History Survey Since 1877 **3 Credits**
AN INTRODUCTORY OVERVIEW OF UNITED STATES HISTORY FROM RECONSTRUCTION TO THE PRESENT.

HIST-2503 Women in U.S. History **3 Credits**
THIS COURSE SURVEYS WOMEN'S ROLES IN THE UNITED STATES FROM PRE-EUROPEAN CONTACT TO THE 1990S. TOPICS INCLUDE BUT ARE NOT LIMITED TO NATIVE WOMEN, WOMEN IN WARFARE, WOMEN ON THE FRONTIER, SUFFRAGE, WOMEN IN THE WIDE RANGE OF POLITICS, WOMEN IN THE WORKFORCE, AND MORE.

HIST-2513 Survey of African American History **3 Credits**
STUDENTS WILL GAIN AN UNDERSTANDING OF AFRICAN AMERICAN HISTORY FROM SLAVERY TO THE PRESENT. THE FIRST HALF OF THE COURSE WILL FOCUS ON THE ORIGINS AND GROWTH OF SLAVERY IN THE UNITED STATES. THE SECOND HALF WILL DISCUSS THE ADAPTATION OF AFRICAN AMERICANS TO FREEDOM.

HIST-2613 Explorations in World History and Culture **3 Credits**
THIS COURSE COVERS A HIGH POINT IN THE CIVILIZATION OF AFRICA, THE NEAR EAST, THE FAR EAST, EUROPE AND THE AMERICAS. THROUGH READINGS, FILM, LECTURE AND DISCUSSION STUDENTS WILL COME TO APPRECIATE THE REMARKABLE ACHIEVEMENTS OF HUMANKIND.

HIST-2881 Special Studies in History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-2882 Special Studies in History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-2883 Special Studies in History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-2884 Special Studies in History (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-3003 Renaissance 3 Credits
A HISTORY OF THE CLASSICAL REVIVAL, THE RISE OF HUMANISM, AND THE ARTISTIC MOTIVATIONS OF EUROPE.

HIST-3013 Reformation 3 Credits
A HISTORY OF THE CAUSES, CONSEQUENCES, AND RESPONSES TO THE REFORMATION.

HIST-3023 Age of Kings 3 Credits
A HISTORY OF THE POLITICAL, SOCIAL, ECONOMIC, AND CULTURAL TRANSFORMATION OF EUROPE DURING THE SEVENTEENTH AND EIGHTEENTH CENTURIES.

HIST-303 Ancient Civilizations 3 Credits
THIS COURSE WILL EXPLORE THE EMERGENCE OF WORLD CIVILIZATIONS WITH A SPECIAL EMPHASIS ON THE SOCIETIES OF ANCIENT EGYPT, CANAAN, MESOPOTAMIA, AND PERSIA. IN ADDITION TO EXPLORING THEIR DISTINCT CULTURAL CONTRIBUTIONS, STUDENTS WILL ALSO CONSIDER OW THESE SOCIETIES RELATED TO ONE ANOTHER, THROUGH TRADE, CONFLICT, AND INTERCHANGE OF IDEAS.

HIST-3033 World War II 3 Credits
A HISTORY OF THE PEOPLE, EVENTS, AND FORCES THAT BROUGHT UPON ONE OF THE MOST IMPORTANT EVENTS AND DESTRUCTIVE WAR IN HUMAN HISTORY. THIS COURSE PRIMARILY FOCUSES ON THE MAJOR PARTICIPANTS OF THE WAR, HIGHLIGHTING THEIR DIPLOMATIC, ECONOMIC, SOCIAL, AND MILITARY POLICIES AND PRACTICES THAT NOT ONLY DECIDED THE WAR'S OUTCOME BUT SET IN MOTION PROFOUND CONSEQUENCES FOR THE TRANSFORMED POST-WAR WORLD. THIS WILL GIVE STUDENTS A BETTER UNDERSTANDING OF HOW THE SECOND WORLD WAR DETERMINED MUCH OF THE

HIST-3043 The Cold War 3 Credits
A HISTORY OF THE MAJOR THEMES AND PERSONALITIES IN THE ERA KNOWN AS THE COLD WAR. IT IS TO FAMILIARIZE YOU WITH THE PERSONS, POLICIES, AND EVENTS, WHICH MARKED THE NEARLY HALF-CENTURY FOLLOWING WORLD WAR II WHEN THE WORLD'S ONLY TWO SUPERPOWERS, THE U.S. AND THE SOVIET UNION, VIED FOR GLOBAL INFLUENCE AND HEGEMONY. HOW COULD WAR-TIME ALLIES, WHO VANQUISHED NAZI GERMANY FROM THE WORLD, BECOME MORTAL ENEMIES, TAKING THE WORLD TO THE BRINK OF DESTRUCTION WHAT PROFOUND CONSEQUENCES WERE UNLEASHED T

HIST-3053 History of the 21st Century 3 Credits
AN EXAMINATION OF THE MAJOR PEOPLE, PLACES, IDEAS, AND EVENTS THAT HAVE SHAPED THE HISTORY OF THE 21ST CENTURY.

HIST-3063 Ancient Civilizations 3 Credits
THIS COURSE WILL EXPLORE THE EMERGENCE OF WORLD CIVILIZATIONS WITH A SPECIAL EMPHASIS ON THE SOCIETIES OF ANCIENT EGYPT, CANAAN, MESOPOTAMIA, AND PERSIA. IN ADDITION TO EXPLORING THEIR DISTINCT CULTURAL CONTRIBUTIONS, STUDENTS WILL ALSO CONSIDER OW THESE SOCIETIES RELATED TO ONE ANOTHER, THROUGH TRADE, CONFLICT, AND INTERCHANGE OF IDEAS.

HIST-3073 Gender & Sexuality in U.S. History 3 Credits
THIS COURSE LOOKS AT THE HISTORY OF GENDER AND SEXUALITY IN THE UNITED STATES FROM PRE-EUROPEAN CONTACT THROUGH THE 1990S. IT EMPHASIZES HOW HISTORICAL CONTEXT INFLUENCES DEFINITIONS OF MASCULINITY, FEMININITY, AND NON-GENDER BINARY IDENTITIES.

HIST-3083 Women in World History 3 Credits
THIS COURSE SURVEYS THE HISTORY OF WOMEN IN WORLD HISTORY, FROM ANCIENT TIMES TO THE PRESENT. TOPICS INCLUDE WITCHCRAFT, WOMEN IN WARFARE, WOMEN AND RELIGION, WOMEN AND MEDICINE, WOMEN AND POLITICS, CIVIL RIGHTS, AND MORE!

HIST-3113 Contemporary American History 3 Credits
A STUDY OF CONTEMPORARY ISSUES OF THE UNITED STATES, INCLUDING THEIR IMMEDIATE HISTORICAL BACKGROUND, PROBLEMS DRAWN FROM THE POLITICAL, ECONOMIC, SOCIAL, AND INTELLECTUAL EXPERIENCE OF AMERICA SINCE 1945.

HIST-3313 Ancient Greece 3 Credits
DETAILED STUDY OF THE SOCIAL, POLITICAL, AND INTELLECTUAL LIFE OF THE GREEKS, INFLUENCES OF GREEK PHILOSOPHY AND CULTURE UPON MODERN CIVILIZATION.

HIST-3333 Vistas in World History 3 Credits
THE CLASS WILL OFFER A SWEEPING OVERVIEW OF HUMAN HISTORY, EXPLORING DEVELOPMENTS THAT HAVE AFFECTED SOCIETIES ON A GLOBAL SCALE SUCH AS THE RISE OF AGRICULTURE, THE EMERGENCE OF UNIVERSAL RELIGIONS, THE EXPANSION OF EMPIRES AND COLONIALISM, THE FORMATION OF THE MODERN NATION STATE, THE EVOLUTION OF CAPITALISM AND GLOBALIZATION. STUDENTS WILL ACHIEVE FAMILIARITY WITH THE BASIC HISTORICAL NARRATIVE OF MAJOR WORLD CIVILIZATIONS AND REGIONS INCLUDING THE WESTERN WORLD, LATIN AMERICA, RUSSIA, THE IS

HIST-3343 Vistas in U.S. History 3 Credits
THIS CLASS WILL OFFER A SWEEPING OVERVIEW OF UNITED STATES HISTORY, EXPLORING MAJOR DEVELOPMENTS THAT HAVE AFFECTED SOCIETY ON A NATIONAL SCALE. STUDENTS WILL ACQUIRE A FAMILIARITY WITH THE BASIC NARRATIVE OF MAJOR POLITICAL, SOCIAL, ECONOMIC, AND MILITARY EVENTS IN UNITED STATES HISTORY. THE GOAL WILL BE TO ACHIEVE A MASTERY OF THE ESSENTIALS OF UNITED STATES HISTORY AND BUILD A FOUNDATION FOR FURTHER EXPLORATION OF SPECIFIC TOPICS.

HIST-3453 The Middle Ages 3 Credits
INSTITUTIONS AND IDEALS IN THE MIDDLE AGES, FEUDALISM, FEUDAL MONARCHY, HOLY ROMAN EMPIRE, PAPACY, MONASTERIES, TOWNS, GUILDS, AND UNIVERSITIES. THE CLASSICAL REVIVAL, THE RISE OF HUMANISM, AND THE ARTISTIC INNOVATIONS OF RENAISSANCE EUROPE WILL BE EMPHASIZED.

HIST-3613 Europe, 1815-1914 3 Credits
COURSE COVERS THE PERIOD AFTER NAPOLEON, DURING WHICH SUCCESSIVE REVOLUTIONS ERUPTED AGAINST THE OLD REGIME, THE INDUSTRIAL REVOLUTION BROUGHT ON GREAT CHANGES, MODERN ITALY AND GERMANY WERE FORMED, AND NATIONALISM, MILITARISM, AND IMPERIAL RIVALRIES MOVED EUROPE TOWARD WORLD WAR I.

HIST-3923 World History, 1914-1939 3 Credits
A STUDY OF THE PRINCIPAL EUROPEAN AND ASIATIC NATIONS, AND THE INTERNATIONAL RELATIONS OF THESE COUNTRIES WITH EACH OTHER AND THE U.S., THE RISE AND AIMS OF THE TOTALITARIAN STATES, PARTICULARLY HITLER'S GERMANY AND SOVIET RUSSIA, CONFLICTS BETWEEN THE DEMOCRATIC, FASCIST AND COMMUNIST STATES WHICH SERVE AS THE BACKGROUND FOR WORLD WAR II.

HIST-4003 History of Japan 3 Credits
AN EXPLORATION OF TOPICS IN JAPANESE HISTORY FROM PREHISTORY TO THE PRESENT.

HIST-4013 Holocaust 3 Credits
A HISTORY OF THE HOW AND WHY OF THE HOLOCAUST. IT INCLUDES AN EXAMINATION OF WHY A MODERN, WESTERNIZED COUNTRY SUCH AS GERMANY WOULD PERPETUATE SUCH AN ACT OF BARBARITY OTHER QUESTIONS TO BE ANSWERED ARE WAS THE HOLOCAUST A PLANNED ATTEMPT TO DESTROY THE JEWISH PEOPLE, OR RATHER ONE BORN FROM OPPORTUNITY DID THE WORLD KNOW ABOUT THE HOLOCAUST, AND IF SO, WHY DID THEY NOT DO ANYTHING TO STOP IT.

HIST-4023 Spain and the Indians 3 Credits
COURSE EXAMINES THE RELATIONSHIP BETWEEN THE SPANISH COLONIAL VENTURE IN THE AMERICAS AND NATIVE PEOPLES.

HIST-4033 History of the Incas 3 Credits
AN OVERVIEW OF INCAN HISTORY, FROM THE FOUNDING OF THE INCAN STATE, THROUGH ITS COLLAPSE IN THE 1530'S. COURSE WILL ALSO INCLUDE AN EXAMINATION OF THE PERSISTENCE OF INCAN TRADITIONS DURING THE SPANISH COLONIAL PERIOD.

HIST-4043 History of the Aztecs 3 Credits
A SURVEY OF AZTEC HISTORY FROM PREHISTORY UNTIL THE SPANISH CONQUEST. COURSE WILL ALSO INCLUDE AN EXAMINATION OF THE PERSISTENCE OF AZTEC TRADITIONS DURING THE SPANISH COLONIAL PERIOD.

HIST-4053 Southern Plains Indians 3 Credits
A HISTORY OF THE MAJOR INDIGENOUS PEOPLES IN THE SOUTHERN PLAINS, PRIMARILY OKLAHOMA, ARKANSAS, LOUISIANA, AND TEXAS AND THEY RELATIONS NOT ONLY WITH ONE ANOTHER BUT EUROPEAN AND AMERICAN MIGRANTS. FOCUSING ON THEIR CULTURE AND SOCIETY, ONE WILL GET AN UNDERSTANDING HOW THESE PEOPLE ADAPTED TO A CHANGING WORLD OF OUTSIDERS, DISEASE, TECHNOLOGIES, AND IDEOLOGIES THAT THREATENED THEIR VERY EXISTENCE.

HIST-4063 Indian Wars and Warfare 3 Credits
CHRONICLES THE WESTWARD COLONIZATION OF THE CONTINENTAL UNITED STATES THROUGH THE CONFRONTATION BETWEEN EUROPEAN COLONIZERS AND INDIGENOUS PEOPLES FROM THE EARLY 17TH CENTURY TO 19TH CENTURY. FOCUSING ON INDIGENOUS WARFARE AND HOW IT EVOLVED WITH CONTACT FROM EUROPEANS AND LATER AMERICANS, THIS COURSE HIGHLIGHTS THE MAJOR CONFLICTS THAT OCCURRED WHEN DRASTICALLY DIFFERENT CULTURES MET. IN THE 20TH CENTURY, THE COURSE HIGHLIGHTS THE MARTIAL CONTRIBUTIONS TO THE UNITED STATES MILITARY BY INDIAN PE

HIST-4073 American Revolution 3 Credits
AN IN-DEPTH, INTERPRETIVE STUDY OF THE AMERICAN REVOLUTION FROM THE FRENCH AND INDIAN WAR THROUGH THE AMERICAN WAR FOR INDEPENDENCE. COVERAGE WILL INCLUDE CAUSES OF THE REVOLUTION, THE MILITARY CAMPAIGNS, AND INTERPRETATIONS OF THE ERA.

HIST-4083 Ancient Egypt 3 Credits
AN EXAMINATION OF EGYPTIAN HISTORY AND CULTURE INCLUDING PREHISTORY, THE OLD KINGDOM, MIDDLE KINGDOM, AND NEW KINGDOM.

HIST-4093 Modern Middle East 3 Credits
AN OVERVIEW OF THE HISTORY OF THE MIDDLE EAST FROM THE LAST CENTURY OF THE OTTOMAN EMPIRE THROUGH THE PRESENT.

HIST-4113 World History, 1939 to the Present 3 Credits
A STUDY OF WORLD WAR II AND WORLD DEVELOPMENTS SINCE WORLD WAR II. SPECIAL EMPHASIS IS PLACED ON THE RECONSTRUCTION OF EUROPE, THE SPREADING COMMUNIST EMPIRE, THE EMERGENCE OF THE THIRD WORLD AND SPECIAL PROBLEMS FACING THE SUPER POWERS.

HIST-4233 History and Historians 3 Credits
THIS COURSE DEALS WITH DEFINITIONS, REASONS, AND METHODS FOR HISTORICAL STUDY, HISTORIOGRAPHY, PHILOSOPHY OF HISTORY, AND THE HISTORICAL PROFESSION.

HIST-4353 The American West 3 Credits
AN EXAMINATION OF THE POLITICAL, SOCIAL, CULTURAL, ECONOMIC, AND ENVIRONMENTAL FORCES THAT SHAPED, AND CONTINUE TO SHAPE, THE AMERICAN WEST.

HIST-4533 The United States, 1783-1828 3 Credits
AN IN-DEPTH, INTERPRETIVE STUDY OF AMERICAN HISTORY FROM THE REVOLUTION TO THE ELECTION OF ANDREW JACKSON.

HIST-4553 United States, 1828-1860 3 Credits
AN IN-DEPTH, INTERPRETIVE STUDY OF AMERICAN HISTORY FROM THE ELECTION OF ANDREW JACKSON TO THE EVE OF THE CIVIL WAR.

HIST-4573 American Leaders 1607-1865 3 Credits
A CHRONICLING OF U.S. HISTORY THROUGH CAREFUL EXAMINATION OF THE LIVES OF PROMINENT INDIVIDUALS FROM THE COLONIAL ERA TO THE END OF THE CIVIL WAR.

HIST-4593 American Leaders 1865 to the Present 3 Credits
A CHRONICLING OF U.S. HISTORY THROUGH CAREFUL EXAMINATION OF THE LIVES OF PROMINENT INDIVIDUALS FROM THE END OF THE CIVIL WAR TO THE PRESENT.

HIST-4713 Civil War and Reconstruction in the United States **3 Credits**
CAUSES OF THE CIVIL WAR, THE MILITARY CAMPAIGNS, AND RECONSTRUCTION, 1860-1877.

HIST-4733 The United States 1877-1919 **3 Credits**
INDUSTRIAL GROWTH AND SOCIAL CHANGE IN THE UNITED STATES, ACQUISITION OF THE NATION'S EMPIRE, AND THE U.S. IN WORLD WAR I.

HIST-4753 The United States 1919-1945 **3 Credits**
EMPHASIS ON POLITICAL AND SOCIAL DEVELOPMENTS FROM THE END OF WORLD WAR I THROUGH WORLD WAR II.

HIST-A3883 Writing in History - American (Subject named in title listing) **3 Credits**
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-A4981 Seminar in American History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4982 Seminar in American History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4983 Seminar in American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4984 Seminar in American History (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4991 Individual Studies in American History (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

HIST-A4992 Individual Studies in American History (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4993 Individual Studies in American History (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4994 Individual Studies in American History (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A5983 Seminar in American History (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HIST-A5993 Individual Studies in American History (Subject named in title listing) **3 Credits**
Directed intensive study on definite problem or special subject, based on approved outline or plan; conferences, oral, and written reports. Required Previous: Twelve (12) hours in History or department approval.

HIST-E3883 Writing in History - European (Subject named in title listing) **3 Credits**
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-E4981 Seminar in European History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4982 Seminar in European History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4983 Seminar in European History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM

HIST-E4984 Seminar in European History (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4991 Individual Studies in European History (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4992 Individual Studies in European History (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4993 Individual Studies in European History (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4994 Individual Studies in European History (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E5983 Seminar in European History (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HIST-H2213 Honors-Oklahoma History **3 Credits**
AN INTRODUCTORY OVERVIEW OF OKLAHOMA HISTORY FROM PRE-HISTORY TO THE PRESENT.

HIST-H3113 Honors-Contemporary American History **3 Credits**
A STUDY OF CONTEMPORARY ISSUES OF THE UNITED STATES, INCLUDING THEIR IMMEDIATE HISTORICAL BACKGROUND, PROBLEMS DRAWN FROM THE POLITICAL, ECONOMIC, SOCIAL, AND INTELLECTUAL EXPERIENCE OF AMERICA SINCE 1945.

HIST-H3613 Honors-Europe 1815-1914 **3 Credits**
COURSE COVERS THE PERIOD AFTER NAPOLEON, DURING WHICH SUCCESSIVE REVOLUTIONS ERUPTED AGAINST THE OLD REGIME, THE INDUSTRIAL REVOLUTION BROUGHTON GREAT CHANGES, MODERN ITALY AND GERMANY WERE FORMED, AND NATIONALISM, MILITARISM, AND IMPERIAL RIVALRIES MOVED EUROPE TOWARD WORLD WAR I.

HIST-H3923 Honors-World History, 1914-1939 **3 Credits**
A STUDY OF THE PRINCIPAL EUROPEAN AND ASIATIC NATIONS, AND THE INTERNATIONAL RELATIONS OF THESE COUNTRIES WITH EACH OTHER AND THE U.S., THE RISE AND AIMS OF THE TOTALITARIAN STATES, PARTICULARLY HITLER'S GERMANY AND SOVIET RUSSIA, CONFLICTS BETWEEN THE DEMOCRATIC, FASCIST AND COMMUNIST STATES WHICH SERVE AS THE BACKGROUND FOR WORLD WAR II.

HIST-H4113 Honors-World History 1939 to the Present **3 Credits**
A STUDY OF WORLD WAR II AND WORLD DEVELOPMENTS SINCE WORLD WAR II. SPECIAL EMPHASIS IS PLACED ON THE RECONSTRUCTION OF EUROPE, THE SPREADING COMMUNIST EMPIRE, THE EMERGENCE OF THE THIRD WORLD AND SPECIAL PROBLEMS FACING THE SUPER POWERS.

HIST-H4233 Honors-History and Historians **3 Credits**
THIS COURSE DEALS WITH DEFINITIONS, REASONS, AND METHODS FOR HISTORICAL STUDY, HISTORIOGRAPHY, PHILOSOPHY OF HISTORY, AND THE HISTORICAL PROFESSION.

HIST-H4353 Honors-The American West **3 Credits**
AN EXAMINATION OF THE POLITICAL, SOCIAL, CULTURAL, ECONOMIC, AND ENVIRONMENTAL FORCES THAT SHAPED, AND CONTINUE TO SHAPE, THE AMERICAN WEST.

HIST-H4533 Honors-The United States, 1783-1828 **3 Credits**
AN IN-DEPTH, INTERPRETIVE STUDY OF AMERICAN HISTORY FROM THE REVOLUTION TO THE ELECTION OF ANDREW JACKSON.

HIST-H4713 Honors-Civil War and Reconstruction in the United States **3 Credits**
CAUSES OF THE CIVIL WAR, THE MILITARY CAMPAIGNS, AND RECONSTRUCTION, 1860-1877.

HIST-H4753 Honors-The United States 1919-1945 **3 Credits**
EMPHASIS ON POLITICAL AND SOCIAL DEVELOPMENTS FROM THE END OF WORLD WARI THROUGH WORLD WAR II.

HIST-HA3883 Honors-Writing in History - American (Subject named in title listing) **3 Credits**
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-HA4983 Honors-Seminar in American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-HE4983 Honors-Seminar in European History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-HN4983 Honors-Seminar in Native American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-HW4983 Honors-Seminar in World History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4981 Seminar in Native American History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4982 Seminar in Native American History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4983 Seminar in Native American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4984 Seminar in Native American History (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-S5982 Seminar in History (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HIST-W3883 Writing in History - World History (Subject named in title listing) 3 Credits
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-W4981 Seminar in World History (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4982 Seminar in World History (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4983 Seminar in World History (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4984 Seminar in World History (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4991 Individual Studies in World History (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4992 Individual Studies in World History (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4993 Individual Studies in World History (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4994 Individual Studies in World History (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W5983 Seminar in World History (subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(HMGMT)

HMGMT-3003 Health Information Systems 3 Credits
THIS COURSE PROVIDES AN OVERVIEW OF HEALTH INFORMATION TECHNOLOGY AND ITS ROLE IN HEALTHCARE MANAGEMENT. TOPICS INCLUDE ELECTRONIC HEALTH RECORDS (EHRS), HEALTH DATA ANALYTICS, AND THE USE OF INFORMATION SYSTEMS TO IMPROVE PATIENT OUTCOMES. STUDENTS WILL EXPLORE DATA PRIVACY, SECURITY, AND THE IMPACT OF TECHNOLOGY ON HEALTHCARE DELIVERY AND DECISION-MAKING.

HMGMT-3013 Introduction to Healthcare Management 3 Credits
THIS COURSE INTRODUCES THE FUNDAMENTAL CONCEPTS OF HEALTHCARE MANAGEMENT, INCLUDING THE ROLES, RESPONSIBILITIES, AND FUNCTIONS OF HEALTHCARE MANAGERS. STUDENTS WILL LEARN ABOUT HEALTHCARE SYSTEMS, ORGANIZATIONAL STRUCTURES, AND THE CHALLENGES OF MANAGING HEALTHCARE FACILITIES. EMPHASIS IS PLACED ON UNDERSTANDING LEADERSHIP, OPERATIONS, AND THE REGULATORY ENVIRONMENT IN HEALTHCARE.

HMGMT-4003 Financial Management in Healthcare 3 Credits
THIS COURSE PROVIDES AN INTRODUCTION TO THE FINANCIAL PRINCIPLES AND PRACTICES USED IN HEALTHCARE SETTINGS. TOPICS INCLUDE BUDGETING, FINANCIAL PLANNING, REVENUE CYCLE MANAGEMENT, AND COST CONTROL. STUDENTS WILL LEARN HOW TO APPLY FINANCIAL ANALYSIS TO MAKE INFORMED DECISIONS THAT ENSURE THE FINANCIAL STABILITY OF HEALTHCARE ORGANIZATIONS, WITH A FOCUS ON UNDERSTANDING REIMBURSEMENT MODELS, FINANCIAL REPORTING, AND REGULATORY COMPLIANCE.

HMGMT-4013 Healthcare Regulatory Environment 3 Credits
THIS COURSE EXAMINES THE REGULATORY FRAMEWORK GOVERNING HEALTHCARE ORGANIZATIONS. STUDENTS WILL EXPLORE KEY FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING COMPLIANCE REQUIREMENTS, ACCREDITATION STANDARDS, AND THE ROLE OF GOVERNMENT AGENCIES. EMPHASIS IS PLACED ON UNDERSTANDING HOW REGULATIONS IMPACT HEALTHCARE OPERATIONS, PATIENT CARE, AND ORGANIZATIONAL POLICY.

HONORS (HNRS)

HNRS-1111 Honors Freshman Colloquium 1 Credit
STUDENTS NEWLY ADMITTED TO THE ECU HONORS PROGRAM ARE ORIENTED TO THE CAMPUS LIFE, OPPORTUNITIES FOR STUDY AND SKILL DEVELOPMENT. PRESENTED WITH FUNDAMENTALS OF CRITICAL THINKING AND RESEARCH SKILLS AND ARE ENCOURAGED TO EXPLORE OUR WESTERN CULTURAL TRADITIONS OF LIBERAL ARTS EDUCATION. STUDENTS MAY PARTICIPATE IN GROUP DISCUSSIONS AND PRESENTATIONS.

HNRS-1213 Enduring Questions: Perspectives From the Humanities 3 Credits
THE COURSE IS A FRESHMAN-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE FIRST IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND A SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES AND EMPHASIZING PRIMARY SOURCE MATERIAL DRAWN FROM THE HUMANITIES WILL INFORM THE COURSE STRUCTURE. STUDENT

HNRS-1313 Enduring Questions: Global Perspectives 3 Credits
THE COURSE IS A FRESHMAN-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE SECOND IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND A SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES AND EMPHASIZING PRIMARY SOURCE MATERIAL DRAWN FROM THE GLOBAL HUMANITIES WILL INFORM THE COURSE STRUCTURE. Required Previous: HNRS-1213 OR requisite override by the Honors Director and Admission to Honors Program

HNRS-2213 Enduring Questions: Perspectives from Science **3 Credits**
THIS COURSE IS A SOPHOMORE-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE THIRD IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES AND EMPHASIZING PRIMARY SOURCE MATERIAL DRAWN FROM THE SCIENCES WILL INFORM THE COURSE STRUCTURE. ATTENTION Required Previous: HNRS-1213 OR requisite override by the Honors Director and Admission to Honors Program

HNRS-2313 Enduring Questions: Perspectives from Rhetoric and Research **3 Credits**
THIS COURSE IS A SOPHOMORE-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE FOURTH IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES, EMPHASIZING RHETORIC AND RESEARCH, WILL INFORM THE COURSE STRUCTURE. ATTENTION WILL BE PAID TO HOW THE PR Required Previous: HNRS-1213 OR requisite override by the Honors Director and Admission to the Honors Program

HNRS-2881 Special Studies in Honors (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-2882 Special Studies in Honors (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-2883 Special Studies in Honors (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-2884 Special Studies in Honors (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4981 Seminar in Honors (Subject named in title listing) **1 Credit**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4982 Seminar in Honors (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4983 Seminar in Honors (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4984 Seminar in Honors (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4991 Individual Studies in Honors (Subject named in title listing) **1 Credit**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM

HNRS-4992 Individual Studies in Honors (Subject named in title listing) **2 Credits**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4993 Individual Studies in Honors (Subject named in title listing) **3 Credits**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4994 Individual Studies in Honors (Subject named in title listing) **4 Credits**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

(HPER)

HPER-E1611 Theo&tech Dance I-Md Dn II **1 Credit**
A STUDY OF THE BASIC DANCE STEPS, MOVEMENTS, AND TECHNIQUES USED IN THISAREA OF DANCE. TYPE OF DANCE WILL BE LISTED IN SCHEDULE.

HPER-F1611 Theo&tech Dance I-Folk Dnc **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-F2512 Fund Spts-Football **2 Credits**
INSTRUCTION AND PRACTICE IN FUNDAMENTAL SKILLS. MAY BE REPEATED-WILL COUNT ONLY ONCE IN ANY ONE SPORT ON MAJOR OR MINOR.

HPER-F3113 Offic Spts-Football **3 Credits**
A STUDY OF THE RULES AND THE MECHANICS OF OFFICIATING EACH SPORT.

HPER-F4543 Adv Theo Coach-Football **3 Credits**
AN INTENSIVE STUDY OF MODERN TECHNIQUES OF COACHING.

HPER-H1611 Theo&tech Dance I-Jazz II **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-J1611 Theo&tech Dance I-Tap&jazz **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-K1611 Theo&tech Dance I-Ballet I **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-K3113 Offic Spts-Basketball **3 Credits**
A STUDY OF THE RULES AND THE MECHANICS OF OFFICIATING EACH SPORT.

HPER-K4543 Adv Theo Coach-Basketball **3 Credits**
AN INTENSIVE STUDY OF MODERN TECHNIQUES OF COACHING.

HPER-L1611 Theo&tech Dance I-Ballet **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-M1611 Theo&tech Dance I-Md Dnc I **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-N1002 P E Activ-Aerobic Swimming **2 Credits**
ACTIVITIES FOR GENERAL PHYSICAL IMPROVEMENT. TYPE OF ACTIVITY WILL BEIDENTIFIED IN COURSE LISTING.

HPER-N1611 Theo&tech Dnc I-Ballet II **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-P1611 Theo&tech Dance I-Sq Dnc **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-R2512 Fund Spts-Wrestling **2 Credits**
INSTRUCTION AND PRACTICE IN FUNDAMENTAL SKILLS. MAY BE REPEATED-WILL COUNT ONLY ONCE IN ANY ONE SPORT ON MAJOR OR MINOR.

HPER-T1611 Theo&tech Dance I-Tap I **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-W2512 Fund Spts-Wght Trng & Cond **2 Credits**
INSTRUCTION AND PRACTICE IN FUNDAMENTAL SKILLS. MAY BE REPEATED-WILL COUNT ONLY ONCE IN ANY ONE SPORT ON MAJOR OR MINOR.

HUMAN RESOURCES EDUCATION (HRED)

HRED-S5981 Seminar in Human Resources Education (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HRED-S5982 Seminar in Human Resources Education (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HUMAN RESOURCES PSYCHOLOGY (HRPSY)

HRPSY-3253 Psychology of Aging **3 Credits**
A SURVEY INTRODUCTION TO THE PSYCHOLOGICAL ASPECTS OF LATER LIFE WITH PARTICULAR EMPHASIS ON THE BEHAVIORAL CHANGES ASSOCIATED WITH THE EMOTIONAL, MOTIVATIONAL, PERSONALITY, SOCIAL AND ENVIRONMENTAL CONDITIONS OF THE ELDERLY. Required Previous: Take PSYCH-1113

HUMANITITES (HUM)

HUM-2113 General Humanities I **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST IN HISTORY, VISUAL ARTS, ARCHITECTURE, MUSIC, LITERATURE, AND PHILOSOPHY FROM PREHISTORIC TIMES TO THE RENAISSANCE.

HUM-2123 General Humanities II **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST IN HISTORY, VISUAL ARTS, ARCHITECTURE, MUSIC, LITERATURE, AND PHILOSOPHY FROM THE RENAISSANCE TO THE PRESENT.

HUM-2313 Multicultural American Literature **3 Credits**
A STUDY OF THE PROSE, POETRY, DRAMA, AND FILM OF AMERICAN WRITERS FROM DIVERSE CULTURAL PERSPECTIVES.

HUM-2323 Global Literature **3 Credits**
A STUDY OF GLOBAL PERSPECTIVES EXPRESSED THROUGH LITERATURE FROM MULTIPLE CONTINENTS AND IN MULTIPLE GENRES.

HUM-2413 Responding to Literature **3 Credits**
INTRODUCES THE UNDERSTANDING AND INTERPRETATION OF LITERATURE, WITH EMPHASIS ON WESTERN LITERATURE FROM A VARIETY OF CULTURES. POETRY, FICTION, DRAMA, FILM, AND NON-FICTION FROM A VARIETY OF ERAS ARE STUDIED. LITERARY TERMS ARE INTRODUCED.

HUM-2513 Introduction to Oklahoma Cultural Studies **3 Credits**
INTRODUCES CULTURAL STUDIES BY EXAMINING THE HISTORIC, ECONOMIC AND GEOGRAPHIC INFLUENCES ON OKLAHOMA'S DIVERSE POPULATIONS. TOPICS ARE EXPLORED BY SHOWING HOW LITERATURE, MUSIC, FILM, AND THE ARTS REFLECT AND SHAPE THE STATE'S CULTURE.

HUM-2613 Philosophy: An Introduction **3 Credits**
A STUDY OF SIGNIFICANT IDEAS OF WESTERN CULTURE AS REFLECTED IN PHILOSOPHICAL THOUGHT FROM THE EARLIEST BEGINNINGS TO THE PRESENT.

HUM-2633 World Religion and Thought **3 Credits**
A STUDY OF THE WORLD'S MOST INFLUENTIAL RELIGIONS AND RELIGIOUSLY ORIENTED SCHOOLS OF THOUGHT, WITH AN EMPHASIS ON THOSE FLOURISHING NOW.

HUM-2713 Language and Culture **3 Credits**
A STUDY OF THE NATURE OF LANGUAGE AND OF THE RELATIONSHIP OF LANGUAGE TO SOCIETY AND TO THE INDIVIDUAL. STUDENTS WILL EXPLORE BOTH UNIVERSAL AND CROSSCULTURAL ASPECTS OF LANGUAGE AND WILL BE INTRODUCED TO AT LEAST THREE LANGUAGES FROM THREE DIFFERENT LANGUAGE FAMILIES.

HUM-2813 Interpreting Film **3 Credits**
A STUDY OF FILM FROM AESTHETIC, CULTURAL, AND HISTORICAL PERSPECTIVES.

HUM-2881 Special Studies in Humanities **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-2882 Special Studies in Humanities **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-2883 Special Studies in Humanities **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-2884 Special Studies in Humanities **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4981 Seminar in Humanities **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4982 Seminar in Humanities **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4983 Seminar in Humanities **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4984 Seminar in Humanities **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-H2113 Honors-General Humanities I **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST IN HISTORY, VISUAL ARTS, ARCHITECTURE, MUSIC, LITERATURE, AND PHILOSOPHY FROM PREHISTORIC TIMES TO THE RENAISSANCE.

HUM-H2313 Honors-Multicultural American Literature **3 Credits**
A STUDY OF THE PROSE, POETRY, DRAMA, AND FILM OF AMERICAN WRITERS FROM DIVERSE CULTURAL PERSPECTIVES.

HUM-H2413 Honors-Responding to Literature **3 Credits**
INTRODUCES THE UNDERSTANDING AND INTERPRETATION OF LITERATURE, WITH EMPHASIS ON WESTERN LITERATURE FROM A VARIETY OF CULTURES. POETRY, FICTION, DRAMA, FILM, AND NON-FICTION FROM A VARIETY OF ERAS ARE STUDIED. LITERARY TERMS ARE INTRODUCED.

HUM-H2513 Honors-Intro to Okla Cul Stu **3 Credits**
INTRODUCES CULTURAL STUDIES BY EXAMINING THE HISTORIC, ECONOMIC AND GEOGRAPHIC INFLUENCES ON OKLAHOMA'S DIVERSE POPULATIONS. TOPICS ARE EXPLOREDBY SHOWING HOW LITERATURE, MUSIC, FILM, AND THE ARTS REFLECT AND SHAPE THE STATE'S CULTURE.

HUM-H2633 Honors-World Religion & Thought **3 Credits**
A STUDY OF THE WORLD'S MOST INFLUENTIAL RELIGIONS AND RELIGIOUSLY ORIENTED SCHOOLS OF THOUGHT, WITH AN EMPHASIS ON THOSE FLOURISHING NOW.

HUM-H2713 Honors-Language and Culture **3 Credits**
A STUDY OF THE NATURE OF LANGUAGE AND OF THE RELATIONSHIP OF LANGUAGE TO SOCIETY AND TO THE INDIVIDUAL. STUDENTS WILL EXPLORE BOTH UNIVERSAL AND CROSSCULTURAL ASPECTS OF LANGUAGE AND WILL BE INTRODUCED TO AT LEAST THREE LANGUAGES FROM THREE DIFFERENT LANGUAGE FAMILIES.

HUM-H2883 Honors-Special Studies- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-H4983 Honors-Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUMAN RESOURCES (HURES)

HURES-2063 Survey of Human Resources 3 Credits
ORIENTATION TO THE HUMAN RESOURCE PERSPECTIVE, STUDY OF HUMAN SERVICE DELIVERY SYSTEMS DEVELOPED FOR THE PROMOTION AND MAINTENANCE OF HUMAN WELFARE, HELPING SERVICE PHILOSOPHY AND METHODS, HELPING PROFESSIONAL VALUES AND SKILLS, HUMAN SERVICE OCCUPATIONAL INFORMATION, A VIEW OF SOCIAL FORCES INFLUENCING THE PROVISION OF HUMAN SERVICES.

HURES-2153 Deaf Culture 3 Credits
THIS COURSE COVERS THE TREATMENT OF DEAF INDIVIDUALS, THEIR EDUCATION, AND LEGAL STATUS IN WESTERN CULTURES FROM EARLY CIVILIZATIONS TO THE PRESENT DAY, INCLUDING THE POLITICAL AND PHILOSOPHICAL FORCES WHICH INFLUENCE THIS TREATMENT.

HURES-2293 Introduction to Aging 3 Credits
ORIENTATION TO CONCEPTS, PHILOSOPHY AND LEGISLATION ON AGING. TOPICS INCLUDE: IMPLICATIONS OF AGING, LEGISLATIVE AND COMMUNITY SERVICES. THE COURSE IS DESIGNED SO THAT THE STUDENT MAY GAIN BASIC KNOWLEDGE, VALUES, AND SKILLS IN THIS AREA.

HURES-2511 Field Work Studies (Field study named in title listing) 1 Credit
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-2512 Field Work Studies (Field study named in title listing) 2 Credits
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-2881 Special Studies in Human Resources (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-2882 Special Studies in Human Resources (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-2883 Special Studies in Human Resources (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-2884 Special Studies in Human Resources (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-3083 Medical, Social and Psychological Aspects of Disability 3 Credits
A STUDY OF THE RELATIONSHIP BETWEEN DISABILITY AND BEHAVIOR THROUGHOUT THE LIFE PROCESS WITH PRIMARY EMPHASIS UPON ADAPTIVE PSYCHOLOGICAL AND SOCIAL PROCESSES. CONCEPTS PERTINENT TO THE MEDICAL AND OCCUPATIONAL ASSESSMENT AND PERSONS WITH DISABILITIES WILL BE CONSIDERED AS THEY RELATE TO SELF-CONCEPT, ENVIRONMENTAL DEMANDS, AND MANAGEMENT OF DISABILITY EFFECTS.

HURES-4003 Theory and Practice of Prevention Science 3 Credits
THIS COURSE IS A FOLLOW-UP TO THE INTRODUCTION TO PREVENTION SCIENCE COURSE. STUDENTS WILL EXPLORE AND ADDRESS EMERGING ISSUES IN THE FIELD, PREVENTION ETHICS, AND IMPLEMENTATION SCIENCE, THEORIES, AND THEIR APPLICATION TO COMMUNITY-BASED RESEARCH. Required Previous: HURES-2073

HURES-4263 Gerontological Program Management 3 Credits
A STUDY OF THE VARIOUS COMMUNITY PROGRAMS DESIGNED TO SERVE THE ELDERLY AND AN ANALYSIS OF MANAGEMENT PROCEDURES NECESSARY FOR ADMINISTRATION OF THESE PROGRAMS. TOPICS INCLUDE: PROGRAM DEVELOPMENT, COORDINATION OF SERVICES, USE OF VOLUNTEERS, AND SPECIAL PROBLEMS OF THE TARGET POPULATION.

HURES-4763 Interpreting I 3 Credits
A SURVEY OF THE BASIC THEORIES, GUIDELINES, PRINCIPLES AND PRACTICES OF INTERPRETING, INCLUDING THE INTERPRETER CODE OF ETHICS AND ROLE OF THE INTERPRETER. TECHNIQUES OF INTERPRETING IN VOCATIONAL REHABILITATION, MENTAL HEALTH, SOCIAL SERVICES, EDUCATIONAL, MEDICAL, AND LEGAL SITUATIONS WILL BE DISCUSSED IN TERMS OF RESPONSIBILITIES OF THE INTERPRETER, THE PHYSICAL SETTING, VOCABULARY, ETHICS AND RELATED TOPICS. ROLE PLAYING AND SIMULATED INTERPRETING EXPERIENCES WILL BE INCLUDED IN THE COURSE. Required Previous: ASLHR-3063

HURES-4794 Interpreting II 4 Credits
CONTINUED STUDY OF THE PRINCIPLES AND PRACTICES OF INTERPRETING. EMPHASIS WILL BE PLACED ON THE TECHNIQUES USED FOR INTERPRETING THE MANUAL AND ORAL COMMUNICATIONS OF DEAF PERSONS INTO SPOKEN ENGLISH EQUIVALENTS. ALL TYPES OF SITUATIONS REQUIRING REVERSE INTERPRETING WILL BE PRESENTED USING THE VARIOUS FORMS OF COMMUNICATION USED BY DEAF INDIVIDUALS. SPECIAL TECHNIQUES AND REQUIREMENTS FOR ORAL INTERPRETING AND DEAF-BLIND INTERPRETING WILL ALSO BE INCLUDED. STUDENTS WILL OBSERVE INTERPRETERS IN Required Previous: HURES-4763

HURES-4931 Human Resources Practicum 1 Credit
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4932 Human Resources Practicum **2 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4933 Human Resources Practicum **3 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4934 Human Resources Practicum **4 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4941 Internship (Field named in title listing) **1 Credit**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4942 Internship (Field named in title listing) **2 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4943 Internship (Field named in title listing) **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4944 Internship (Field named in title listing) **4 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4945 Internship (Field named in title listing) **5 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4947 Internship (Field named in title listing) **7 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4982 Seminar in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4983 Seminar in Human Resources (Subject Named in Title Listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4984 Seminar in Human Resources (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4991 Individual Study (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4992 Individual Study (Subject named in Title Listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4993 Individual Study (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4994 Individual Study (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-5083 Concepts in Addiction Counseling Practice **3 Credits**
THIS COURSE IS AN EXPLORATION OF CONCEPTS OF CHEMICAL DEPENDENCY, INCLUDING: THE NATURE OF ADDICTION, GENDER AND SUBSTANCE USE DISORDERS, SUBSTANCE USE AND ABUSE BY CHILDREN AND ADOLESCENTS, CODEPENDENCY AND ENABLING, DUAL-DIAGNOSIS, MEDICAL MODEL, PSYCHOSOCIAL MODEL, DISEASE OF THE HUMAN SPIRIT, ASSESSMENT, INTERVENTION, AND TREATMENT MODALITIES.

HURES-5113 Personal, Social and Work Adjustment Counseling **3 Credits**
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE AND EXPERIENCE IN INDIVIDUALIZED WORK ADJUSTMENT PLAN DEVELOPMENT, TREATMENT/TRAINING STRATEGIES, AND PROGRESS MONITORING PROCEDURES RELATED TO THE DEVELOPMENT OF APPROPRIATE WORK BEHAVIOR AND FUNCTIONAL COMMUNITY SKILLS FOR PERSONS WITH MENTAL AND PSYCHO-SOCIAL DISABILITIES. ADDRESSES THE DIFFERENT TYPES OF HABILITATION AND REHABILITATION FACILITIES, COMMUNITY INTEGRATION, INDEPENDENT LIVING, AND TRANSITION FROM SCHOOL TO WORK OF PERSONS

HURES-5153 Operations Management **3 Credits**
A STUDY OF THE DESIGN, OPERATIONS AND CONTROL OF THE HUMAN SERVICE DELIVERY SYSTEM. TOPICS OF STUDY INCLUDE STRATEGIC PLANNING AND PROGRAMMING, BUDGETING, OPERATING, AND ACCOUNTING SYSTEMS, COST OUTCOME/COST EFFECTIVENESS TECHNIQUES, PROJECT SCHEDULING AND CONTROL, AND FACILITY/OFFICE LAYOUT.

HURES-5173 Rehabilitation in the Private Sector **3 Credits**
THIS COURSE EXPLORES THE REHABILITATION PROCESS IN PRIVATE-FOR-PROFIT AND PRIVATE-NON-PROFIT ORGANIZATIONS. PRIVATE SECTOR MODELS WILL BE PRESENTED. ISSUES SUCH AS THE EMPHASIS ON PROFIT, PRODUCTION, AND EFFICIENCY WILL BE DISCUSSED. ETHICS FOR PRACTICE WILL BE INCLUDED.

HURES-5193 Adaptations and Accommodations in Assessment and Work Settings **3 Credits**
THIS COURSE IDENTIFIES NECESSARY ACCOMMODATIONS FOR PERSONS WITH DISABILITIES TO SUCCESSFULLY COMPLETE VOCATIONAL EVALUATION, WORK ADJUSTMENT, AND EMPLOYMENT TASKS. STUDENTS WILL LEARN TO ADAPT AND MODIFY VOCATIONAL ASSESSMENT PROCEDURES AND THE WORK ADJUSTMENT SETTING. IN ADDITION THE STUDENT WILL BE PREPARED TO MAKE SIMILAR RECOMMENDATIONS TO EMPLOYMENT SETTINGS.

HURES-5263 Management Information Systems **3 Credits**
ACQUAINTANCE WITH AT LEAST ONE COMPUTER LANGUAGE AND DEPARTMENTAL APPROVAL. A STUDY OF THE INFORMATION PROCESSING SYSTEM NEEDED FOR PLANNING AND CONTROLLING A HUMAN SERVICE ORGANIZATION. TOPICS INCLUDE DESIGN AND OPERATION OF MANAGEMENT INFORMATION SYSTEMS AND ADMINISTRATIVE USE OF COMPUTERS.

HURES-5333 Vocational Assessment of Person with Disabilities **3 Credits**
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE AND EXPERIENCE IN VOCATIONAL ASSESSMENT AND COUNSELING OF PERSONS WITH DISABILITIES. INCLUDES USING THE MEASURES OF VOCATIONAL INTEREST, ACHIEVEMENT, APTITUDE, AND PERSONALITY TESTS, WORK SAMPLES, SITUATIONAL ASSESSMENT, CURRICULUM-BASED VOCATIONAL ASSESSMENT. STRESSES ASSESSMENT PROCEDURES FOR PERSONS WITH SEVERE DISABILITIES AND ADDRESSES VOCATIONAL EDUCATION OF SECONDARY SPECIAL NEED STUDENTS AND TRANSITION FROM SCHOOL TO WORK.

HURES-5343 Personnel Supervision **3 Credits**
A STUDY OF THE PERSONNEL ASPECTS OF THE HUMAN SERVICE ORGANIZATION AND ITS RELATION WITH OTHER ORGANIZATIONAL COMPONENTS. EMPHASIS IS GIVEN TO INCREASING THE STUDENTS' KNOWLEDGE AND UNDERSTANDING OF FACTORS AFFECTING EFFECTIVE HUMAN RESOURCE UTILIZATION. TOPICS COVERED INCLUDE LEADERSHIP AND MOTIVATION THEORIES, MANPOWER PLANNING, RECRUITMENT AND SELECTION, CIVIL SERVICE SYSTEMS, COLLECTIVE BARGAINING/UNIONIZATION, CAREER DEVELOPMENT/ TRAINING, PERFORMANCE EVALUATION, DISCIPLINE, EQUAL OPPORTUNI

HURES-5383 Family Systems and Addictions **3 Credits**
AN ADVANCED STUDY OF THE FAMILY AS A HOMOGENOUS SOCIAL UNIT AND THE INTERACTION OF ADDICTIVE PROCESSES (INCLUDING ALCOHOL, CHEMICAL, GAMBLING, AND OTHER) HAS ON THE FAMILY SYSTEM. FAMILY INTERVENTION AND TREATMENT MODALITIES WILL BE EXPLORED.

HURES-5433 Organizational Leadership and Decision Making **3 Credits**
AN INTEGRATIVE APPROACH TO THE STUDY OF MAJOR LEADERSHIP AND DECISION MAKING THEORIES. THIS COURSE WILL EXPLORE STRATEGIES AND OPTION FOR INTEGRATING VALUES INTO THE LEADERSHIP DECISION MAKING. APPLYING THOSE STRATEGIES TO REAL WORLD CASE STUDIES AND DEVELOPING TOOLS TO NAVIGATE THOSE SITUATIONS WHERE THERE IS PRESSURE TO COMPROMISE VALUES OR DISENGAGE FROM OUR ETHICS OR MORAL COMPASS.

HURES-5463 Medical Aspects of Disability **3 Credits**
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE AND UNDERSTANDING OF THE BODY SYSTEMS AND RELATED DISABILITIES. A HOLISTIC APPROACH TO ASSESSMENT OF FUNCTIONAL CAPACITY OF PERSONS WITH DISABILITIES IS PRESENTED. EMPHASIS IS PLACED ON THE FUNCTIONAL LIMITATIONS AND EFFECT OF MEDICAL DISABILITY ON EMPLOYMENT, TRAINING, AND INDEPENDENT LIVING. PSYCHOLOGICAL IMPLICATIONS INCLUDING PSYCHO-SOCIAL AND ADJUSTMENT ASPECTS OF DISABILITY IS ALSO EMPHASIZED.

HURES-5473 Framework for Job Placement Development **3 Credits**
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE, UNDERSTANDING, & EXPERIENCE IN THE JOB PLACEMENT OF PERSONS WITH SIGNIFICANT DISABILITIES AND THE IMPACT ON THE INDIVIDUAL AND FAMILY. A HOLISTIC APPROACH TO JOB PLACEMENT IS PRESENTED. INCLUDES: JOB SEEKING TRAINING, JOB DEVELOPMENT PROCEDURES, JOB ANALYSIS, JOB MODIFICATION, LABOR MARKET INFORMATION, WORKING WITH BUSINESS AND INDUSTRY, LEGISLATION AND PLACEMENT, SELECTIVE PLACEMENT, SUPPORTED EMPLOYMENT, SUPPORTIVE SERVICES, INDEPENDEN

HURES-5483 Family Therapy and Addictions **3 Credits**
A SURVEY OF THE MAJOR THEORIES, METHODS, AND TECHNIQUES OF MARRIAGE AND FAMILY COUNSELING, WITH AN EMPHASIS ON THE IMPACT OF ADDICTION AND THE TREATMENT OF ADDICTIVE PATTERNS IN FAMILY WORK. THE APPLICATION OF FAMILY SYSTEMS THEORY AND THE IMPLEMENTATION OF FAMILY THERAPY TECHNIQUES TO THE PATTERNS OF ADDICTION IS THE FOUNDATION OF THIS COURSE. THE MAJOR CAMPS MARRIAGE AND FAMILY THERAPY THEORY WILL BE COVERED. THIS MAY INCLUDE, BUT IS NOT LIMITED TO EXPERIENTIAL, PROCESS, BEHAVIORAL, COGNITIVE,

HURES-5563 Practicum in Counseling Supervision **3 Credits**
THE STUDENT WILL BE PROVIDED THEORETICAL AND APPLICATION MODELS FOR PROVIDING SUPERVISION OF INDIVIDUAL AND GROUP COUNSELING IN A HUMAN SERVICE ORGANIZATION. STUDENTS WILL EXPLORE APPROPRIATE TECHNIQUES FOR EVALUATION OF EFFECTIVENESS. TECHNIQUES FOR PROVIDED SUPPORT AND SKILL BUILDING WILL ALSO BE EMPHASIZED. Required Previous: HURES-5553 taken twice

HURES-5953 Internship in Counseling **3 Credits**
COMPLETION OF COURSEWORK AND DEPARTMENTAL APPROVAL. STUDENTS WILL SPEND A MINIMUM OF 600 CLOCK HOURS PROVIDING COUNSELING IN AN APPROVED HUMAN SERVICES ORGANIZATION. THE INTERNSHIP WILL BE CLOSELY SUPERVISED BY AND ONSITE SUPERVISOR AND FACULTY ADVISOR. STUDENTS ARE EXPECTED TO ENGAGE IN THE FULL RANGE OF SERVICES PROVIDED BY THE INTERNSHIP AGENCY. MAY NOT BE TAKEN WITH ANY PRACTICUM. Required Previous: HURES-C5553

HURES-5963 Internship Addictions Counseling **3 Credits**
STUDENTS WILL SPEND A MINIMUM OF 300 CLOCK HOURS PROVIDING COUNSELING SERVICES IN AN ADDICTION AGENCY UNDER THE SUPERVISION OF A LICENSED ALCOHOL & DRUG COUNSELOR, A LICENSED PROFESSIONAL COUNSELOR AND/OR OTHER APPROPRIATELY CREDENTIALED AND APPROVED ONSITE SUPERVISOR. STUDENTS ARE EXPECTED TO ENGAGE IN THE FULL RANGE OF COUNSELING SERVICES.

HURES-5981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5982 Seminar in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5983 Seminar in Human Resources (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5984 Seminar in Human Resources (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5991 Individual Study in Human Resources (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or departmental approval

HURES-5992 Individual Study in Human Resources (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or departmental approval

HURES-5993 Individual Study in Human Resources (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or departmental approval

HURES-5994 Individual Study in Human Resources (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or deparmental approval

HURES-A2511 Field Work Study-Aging 1 Credit
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-A2512 Field Work Studies-Aging 2 Credits
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-C5553 Practicum in Counseling 3 Credits
SUPERVISED INDIVIDUAL OR GROUP COUNSELING AND COMMUNITY DEVELOPMENT FIELD EXPERIENCES THROUGH PLACEMENT IN AN APPROPRIATE HUMAN SERVICE SETTING, AND/OR SUPERVISED COUNSELING AND GUIDANCE ACTIVITIES IN A LABORATORY SETTING. PRACTICUM I AND II ARE TO BE TAKEN CONSECUTIVELY. STUDENT MUST BE WITHIN THE LAST 20 HOURS OF THE PROGRAM AND HAVE COMPLETED CORE COUNSELING THEORY COURSEWORK. INSTRUCTOR PERMISSION REQUIRED. MAXIMUM NUMBER OF ALLOWABLE HOURS IS DETERMINED BY PROGRAM OPTION CURRICULUM.

HURES-H2083 Honors-Human Behavior and Social Environment I 3 Credits
THEORETICAL FRAMEWORKS DRAWN FROM THE BIOLOGICAL, SOCIAL, AND BEHAVIORAL SCIENCES FOR UNDERSTANDING ACROSS THE LIFE COURSE AND THE RANGE OF SOCIAL SYSTEMS IN WHICH PEOPLE LIVE, AND THE WAYS SOCIAL SYSTEMS PROMOTE OR DETER ACHIEVEMENT OF HEALTH AND WELL-BEING. EXPLORED IS THE IMPACT OF FACTORS INCLUDING ETHNICITY, RACE, CLASS, AGE, GENDER, SEXUAL ORIENTATION, DISABILITY, AND CULTURE ON HUMAN DEVELOPMENT AND BEHAVIOR. Required Previous: SOC-1113

HURES-H2153 Honors-Introduction to Deafness 3 Credits
THIS COURSE COVERS THE TREATMENT OF DEAF INDIVIDUALS, THEIR EDUCATION &LEGAL STATUS IN WESTERN CULTURES FROM EARLY CIVILIZATIONS TO THE PRESENT DAY, TOUCHING ON THE POLITICAL & PHILOSOPHICAL FORCES WHICH INFLUENCED THIS TREATMENT. INTRODUCED ARE BASIC METHODS OF EDUCATING THE DEAF USED TODAY & THE PHILOSOPHICAL STANCE SUPPORTING EACH (PARTICULARLY AS THEY CONCERN COMMUNICATION).

HURES-H2183 Honors-Fundamentals of Counseling 3 Credits
THIS COURSE PROVIDES A PHILOSOPHICAL ORIENTATION TO THE COUNSELING FUNCTION, AND THE COUNSELING MODEL OF COMMUNITY SERVICES, AND EXPLORES THE VARIOUS THEORETICAL APPROACHES TO THE PROVISION OF THESE SERVICES.

HURES-H2213 Honors-Introduction to Rehabilitation Counseling 3 Credits
A STUDY OF REHABILITATION CONCEPTS, PROCESS, PHILOSOPHY, AND ITS LEGISLATIVE-HISTORICAL PROGRESSION. EMPHASIS WILL BE PLACED ON THE ROLE AND FUNCTION OF THE COUNSELOR AND THE METHODS AND TECHNIQUES UTILIZED IN THE REHABILITATION PROCESS.

HURES-H3103 Honors-Psychological-Social Aspects of Deafness 3 Credits
CONSIDERS EFFECTS OF PRELINGUAL AND POSTLINGUAL DEAFNESS OR HEARING IMPAIRMENT ON THE PSYCHOLOGICAL AND EMOTIONAL DEVELOPMENT AND ADAPTATION OF THE INDIVIDUAL TO DEAFNESS. PRESENTS A STUDY OF COGNITIVE AND LINGUISTIC DEVELOPMENT, PERSONALITY, INTERPERSONAL BEHAVIOR, SOCIAL REACTIONS, PERSONAL ADJUSTMENT, AND DEAF CULTURE. ALSO INCLUDES AN INTRODUCTION TO COUNSELING WITH DEAF PEOPLE.

HURES-H3183 Honors-Case Management Practice 3 Credits
A STUDY AND PRACTICE OF CASE MANAGEMENT AND KNOWLEDGE AND SKILLS FOR EFFECTIVE CASE MANAGEMENT. AREAS OF EMPHASIS WILL INCLUDE: IDENTIFICATION AND ASSESSMENT OF CLIENT SITUATIONS, USE OF FORMAL AND INFORMAL ASSESSMENT TECHNIQUES, CASE RECORDING SKILLS, AND DEVELOPMENT OF INDIVIDUALIZED ASSESSMENTS AND CASE PLANS. Required Previous or Concurrent: HURES-2103 or Departmental Approval

HURES-H3203 Honors-Vocational Testing and Evaluation 3 Credits
A STUDY OF THE VOCATIONAL TESTING AND EVALUATION PRINCIPLES AND PROCEDURES USED IN VARIOUS HELPING SERVICES. INSTRUCTION AND PRACTICE IN THE ADMINISTRATION, SCORING, AND INTERPRETATION OF INSTRUMENTS USED IN THE ASSESSMENT OF INTELLIGENCE, APTITUDE, INTEREST, AND PERSONALITY.

HURES-H3763 Honors-Group Processes and Practice 3 Credits
A STUDY OF THE NATURE AND PURPOSE OF VARIOUS TYPES OF GROUPS, TECHNIQUES OF GROUP FACILITATION AND DIRECTION, AND THE ROLES OF PARTICIPANT AND LEADER IN VARIOUS PRACTICE SETTINGS. INCLUDE EXPERIENTIAL COMPONENTS DESIGNED TO EXPOSE STUDENTS TO GROUP PROCESS. Required Previous: HURES-2103

HURES-H4443 Honors-Counseling Services **3 Credits**
THIS COURSE IS THE APPLICATION OF COUNSELING KNOWLEDGE AND TECHNIQUES TO VARIOUS CLIENT GROUPS AND SPECIALIZED SETTINGS. Required Previous: HURES-2183

HURES-H4453 Honors-Intervention Techniques **3 Credits**
THIS COURSE PROVIDES THE KNOWLEDGE OF CRISIS INTERVENTION AS A TREATMENT MODALITY INCLUDING ITS HISTORY, THEORETICAL BASE, AND APPLICATION OF TECHNIQUES IN CRISIS SITUATIONS. Required Previous: HURES-2183

HURES-H4763 Honors-Interpreting I **3 Credits**
A SURVEY OF THE BASIC THEORIES, GUIDELINES, PRINCIPLES AND PRACTICES OF INTERPRETING, INCLUDING THE INTERPRETER CODE OF ETHICS AND ROLE OF THE INTERPRETER. TECHNIQUES OF INTERPRETING IN VOCATIONAL REHABILITATION, MENTAL HEALTH, SOCIAL SERVICES, EDUCATIONAL, MEDICAL, AND LEGAL SITUATIONS WILL BE DISCUSSED IN TERMS OF RESPONSIBILITIES OF THE INTERPRETER, THE PHYSICAL SETTING, VOCABULARY, ETHICS AND RELATED TOPICS. ROLE PLAYING AND SIMULATED INTERPRETING EXPERIENCES WILL BE INCLUDED IN THE COURSE. Required Previous: ASLHR-3063

HURES-H4932 Honors-Human Resources Practicum **2 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-H4943 Internship-Human Services Counseling **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-H4983 Honors-Seminar in Human Resources (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-H4992 Honors-Individual Study in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-L4943 Internship-Law Enforcement **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-S4981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-S5981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-S5982 Seminar in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-T4943 Internship-Cleet **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

INTERDISCIPLINARY STUDIES (IDS)

IDS-3113 Interdisciplinary Studies **3 Credits**
AN INTRODUCTION TO THE THEORY AND PRACTICE OF INTERDISCIPLINARY STUDY AND ADULT LEARNING THEORY, WITH EMPHASIS ON THE STUDENT'S ACADEMIC AND CAREER GOALS.

IDS-3123 Professional Field Experience I **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE STUDENT'S ACADEMIC AND/OR CAREER GOAL AREA AND WILL PROVIDE THE STUDENT WITH A PRACTICAL LEARNING EXPERIENCE. THE COURSE MAY INCLUDE AN INTERNSHIP OR PRACTICUM, OR AN INDEPENDENT LEARNING PROJECT WHICH ENCOMPASSES WORK PROJECTS OR LEARNING OUTSIDE THE STUDENT'S CURRENT WORK ASSIGNMENT. Required Previous: IDS-3113 or Departmental Approval

IDS-4123 Professional Field Experience II **3 Credits**
ADVANCED STUDY IN THE STUDENT'S ACADEMIC AND/OR CAREER GOAL AREA PROVIDING THE STUDENT WITH A PRACTICAL LEARNING EXPERIENCE. THIS COURSE MAY INCLUDE AN INTERNSHIP OR PRACTICUM OR AN INDEPENDENT LEARNING PROJECT WHICH ENCOMPASSES WORK PROJECTS OR LEARNING OUTSIDE THE STUDENT'S CURRENT WORK ASSIGNMENT. Required Previous: IDS-3123 or Departmental Approval

IDS-4723 Senior Project **3 Credits**
THE CAPSTONE COURSE FOR THE INTERDISCIPLINARY STUDIES PROGRAM. THE STUDENT WILL COMPLETE AN INTERDISCIPLINARY PROJECT INTEGRATING THEIR COURSEWORK AND PROFESSIONAL FIELD EXPERIENCE WITH THEIR PROFESSIONAL AND/OR OCCUPATIONAL INTERESTS. Required Previous: IDS-4123 or Departmental Approval

INFORMATION TECHNOLOGY MANAGEMENT (ITM)

ITM-3423 Web Development **3 Credits**
THIS COURSE COVERS A WIDE ARRAY OF PROGRAMMING CONCEPTS USING CURRENT SOFTWARE DEVELOPMENT TOOLS, INCLUDING DATA STRUCTURES, RESOURCE MANAGEMENT, SECURITY, SOFTWARE DEVELOPMENT, AND WEB DEVELOPMENT. STUDENTS WILL ENGAGE IN A COMMUNITY OF SOFTWARE DEVELOPERS AND PRESENT A FINAL PROJECT TO THEIR PEERS. Required Previous: CMPSC-1113 with a grade of C or higher or departmental approval.

ITM-3473 Data Visualization **3 Credits**
PROVIDES AN UNDERSTANDING OF THE ROLE OF ANALYTICS, VISUALIZATION, DASHBOARDING, AND BUSINESS INTELLIGENCE IN SUPPORT OF MANAGERIAL DECISION MAKING. Required Previous: BSEC-2603 or departmental approval.

ITM-3613 Data Communications and Computer Networks **3 Credits**
DATA COMMUNICATIONS AND TELEPROCESSING SYSTEMS PRINCIPLES ARE EXAMINED IN DETAIL. MAJOR TOPICS INCLUDE HARDWARE, NETWORKS (LANS AND WANS), PROTOCOLS AND ARCHITECTURES, AND THE PLANNING AND MANAGEMENT OF DATA COMMUNICATIONS AND TELEPROCESSING SYSTEMS. THE MATERIAL COVERED IN THIS COURSE WILL INCLUDE MATERIAL TO PREPARE A STUDENT TO SEEK A+ AND NETWORK + CERTIFICATIONS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY.

ITM-3823 Cybersecurity **3 Credits**
THIS COURSE LOOKS AT PHILOSOPHICAL, THEORETICAL, AND APPLIED SCENARIOS AND INFRASTRUCTURES SUPPORTING THE FOUNDATIONS OF CURRENT CYBER SECURITY MEASURES AND SECURITY POLICIES. THIS COURSE WILL LOOK AT COMPLEX LEGAL, REGULATORY, AND POLICY-BASED ISSUES AND THEIR EFFECT ON SOCIAL, GOVERNMENT, AND ECONOMIC IMPLICATIONS. YOU WILL EXPLORE ISSUES AND IMPACTS OF PRIVACY, ECOMMERCE, INFORMATION SECURITY, SOCIAL EQUITY, CRIME, FREE SPEECH, AND TELECOMMUNICATIONS AND HOW THEY RELATE TO THE POLICIES OF CYB

ITM-3843 Cloud Management **3 Credits**
TEACHES STUDENTS TO IMPLEMENT AND MAINTAIN CLOUD TECHNOLOGIES. REVIEWS THE THEORY AND APPLICATION OF CONFIGURATIONS RESIDING IN A PLATFORM UTILIZING CLOUD SOLUTIONS IN A WINDOWS AZURE ENVIRONMENT. STUDENTS WILL LEARN HOW TO MANAGE AZURE RESOURCES; CONFIGURE AND MANAGE STORAGE; CONFIGURE AND MANAGE VIRTUAL MACHINES AND NETWORKS; AND MANAGE IDENTITIES USING TOOLS WITHIN THE AZURE PLATFORM.

ITM-4653 Database Theory and Applications **3 Credits**
DATABASE CONCEPTS AND STRUCTURES. FILE AND DATA MANAGEMENT PRINCIPLES UNDERLYING DATABASE CONSTRUCTION. FUNDAMENTAL TYPES OF DATABASE MODELS WITH EMPHASIS ON RELATIONAL DATABASES AND THE USE OF MICROSOFT SQL SERVER. PRACTICE IN ANALYSIS, DESIGN, DEVELOPMENT, AND OPTIMIZATION OF WORKING DATABASE APPLICATIONS WITH REGARD TO A VARIETY OF PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: CMPSC-1113 or departmental approval.

ITM-4753 Software Development & Team Dynamics **3 Credits**
THIS COURSE ADDRESSES SOFTWARE DEVELOPMENT METHODOLOGIES, TEAM DYNAMICS, AND EFFECTIVE COMMUNICATION AND DOCUMENTATION. STUDENTS WILL UTILIZE KNOWLEDGE AND SKILLS OBTAINED FROM DATABASE THEORY AND APPLICATIONS AND PROGRAMMING COURSES TO WORK WITH A TEAM TO ANALYZE PROBLEMS AND CREATE A SOFTWARE SOLUTION. THIS CAPSTONE COURSE WILL ALSO INCLUDE COLLEGE-TO-CAREER BUSINESS COMMUNICATION. Required Previous: ITM-4653; ITM-4753 must be taken in the last semester; or departmental approval.

ITM-H3823 Honors-Cybersecurity **3 Credits**
THIS COURSE LOOKS AT PHILOSOPHICAL, THEORETICAL, AND APPLIED SCENARIOS AND INFRASTRUCTURES SUPPORTING THE FOUNDATIONS OF CURRENT CYBER SECURITY MEASURES AND SECURITY POLICIES. THIS COURSE WILL LOOK AT COMPLEX LEGAL, REGULATORY, AND POLICY-BASED ISSUES AND THEIR EFFECT ON SOCIAL, GOVERNMENT, AND ECONOMIC IMPLICATIONS. YOU WILL EXPLORE ISSUES AND IMPACTS OF PRIVACY, ECOMMERCE, INFORMATION SECURITY, SOCIAL EQUITY, CRIME, FREE SPEECH, AND TELECOMMUNICATIONS AND HOW THEY RELATE TO THE POLICIES OF CYB Required Previous: MIS-3433 with a grade of C or higher or departmental approval.

ITM-H4653 Honors-Database Theory and Applications **3 Credits**
DATABASE CONCEPTS AND STRUCTURES. FILE AND DATA MANAGEMENT PRINCIPLES UNDERLYING DATABASE CONSTRUCTION. FUNDAMENTAL TYPES OF DATABASE MODELS WITH EMPHASIS ON RELATIONAL DATABASES AND THE USE OF MICROSOFT SQL SERVER. PRACTICE IN ANALYSIS, DESIGN, DEVELOPMENT, AND OPTIMIZATION OF WORKING DATABASE APPLICATIONS WITH REGARD TO A VARIETY OF PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MIS-3433 with a grade of C or higher or departmental approval.

KINESIOLOGY (KIN)

KIN-1963 Introduction to Kinesiology **3 Credits**
AN ORIENTATION COURSE DESIGNED TO ACQUAINT MAJORS AND MINORS WITH THE ORIGIN, SCOPE, DEVELOPMENT, AND PURPOSE OF THE KINESIOLGOY DISCIPLINE. THE COURSE WILL PROVIDE KNOWLEDGE CONCERNING FUTURE DIRECTIONS AND CAREER POSSIBILITIES.

KIN-2122 Choices in Wellness **2 Credits**
A STUDY OF CONCEPTS FROM THE BIOLOGICAL, SOCIAL, AND BEHAVIORAL SCIENCESAS THEY RELATE TO LIFESTYLE CHOICES OF WELLNESS. EMPHASIS IS ON INTEGRATION OF KNOWLEDGE, ATTITUDES, AND APPROPRIATE PRACTICES RELATED TO SELF-DIRECTED POSITIVE HEALTH BEHAVIORS.

KIN-2131 Intercollegiate Sports **1 Credit**
VARSITY LEVEL COMPETITION OF THE SPORT IN SEASON. MEETS FIVE DAYS AWEEK.Course will be graded P(Pass) or NP(NoPass).

KIN-2183 Basic Nutrition **3 Credits**
PRINCIPLES OF NUTRITION APPLIED TO PERSONAL FOOD CHOICES AND HEALTH.

KIN-2223 Sports Nutrition **3 Credits**
THIS COURSE EXAMINES THE ROLE OF NUTRITION AS IT RELATES TO ATHLETES AND OTHERS INVOLVED IN ACTIVE LIFESTYLES. SPECIFICALLY, NUTRITION IS EXAMINED AS IT RELATES TO ATHLETIC PERFORMANCE, DISEASE PREVENTION/TREATMENT, AND VARIOUS SPORT-SPECIFIC NUTRITIONAL REQUIREMENTS, AND SPECIAL POPULATIONS.

KIN-2273 First Aid **3 Credits**
IMMEDIATE AND TEMPORARY TREATMENT FOR ACCIDENTAL INJURIES, SUDDEN ILLNESS, TRAUMATIC SHOCK AND THERMAL BURNS. MAJOR EMPHASIS IS PLACED ON CPR, ARTIFICIAL RESPIRATION, TRANSPORTING INJURED PERSONS FROM ONE LOCATION TO ANOTHER, IMMOBILIZATION OF SUSPECTED FRACTURES AND POISON CONTROL. ALSO INCLUDED, MENTAL HEALTH CONSIDERATIONS AS RELATED TO SICKNESS, INJURY AND STRESS MANAGEMENT.

KIN-2413 Applied Anatomy **3 Credits**
STUDY OF THE STRUCTURE OF THE HUMAN BODY WITH LIMITED PHYSIOLOGICAL APPLICATIONS FOR EACH ANATOMICAL SYSTEM. SPECIAL EMPHASIS IS PLACED ON THE ANATOMICAL SYSTEMS CONTRIBUTING TO MOVEMENT AND ENERGY PRODUCTION.

KIN-2433 Theory of Coaching **3 Credits**
STUDY OF THE TECHNIQUES OF COACHING MODERN-DAY SPORTS.

KIN-2713 Care and Prevention of Athletic Injuries **3 Credits**
BASIC INSTRUCTION IS GIVEN IN THE CARE, PREVENTION, ASSESSMENT AND MANAGEMENT OF COMMON INJURIES AND ILLNESSES. ADDITIONAL MEDICAL CONCERNS ARE ADDRESSED AS THEY RELATE TO ATHLETIC PARTICIPATION. THIS INCLUDED TOPICS SUCH AS ILLNESS, DISEASE, LEGAL ISSUES, ETC. THIS COURSE SERVES AS AN OVERVIEW AND INTRODUCTION TO BASIC ATHLETIC TRAINING PRINCIPLES.

KIN-3103 Technology in Kinesiology **3 Credits**
A KINESIOLOGY APPROACH TO THE CONCEPTS, TERMS, AND TRENDS IN COMPUTING. HARDWARE AND SOFTWARE USED IN THE FIELD OF KINESIOLOGY WILL BE INTERWOVEN WITH DATABASE, SPREADSHEET, WORD PROCESSING, NETWORK, AND INTERNET SKILLS. THE COURSE EQUIPS STUDENTS TO USE VARIOUS FORMS OF TECHNOLOGY IN THE FIELD OF KINESIOLOGY.

KIN-3233 Adapted Physical Education **3 Credits**
A CLASS TO PREPARE PHYSICAL EDUCATION MAJORS IN PLANNING ACTIVITIES AND PHYSICAL EDUCATION PROGRAMS FOR HANDICAPPED STUDENTS. IT INCLUDES CHARACTERISTICS OF DIFFERENT HANDICAPPING CONDITIONS AND SUGGESTIONS FOR CORRECTIVE THERAPY.

KIN-3303 Fundamentals of Sports Administration **3 Credits**
INTRODUCTION TO THE CONCEPTS, ASPECTS, AND PHILOSOPHIES OF MANAGING SPORT, FITNESS AND RECREATIONAL ORGANIZATIONS.

KIN-3353 Research and Evaluation in Kinesiology **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING IN THE PROCESS OF SELECTION, ADMINISTRATION, AND INTERPRETATION OF ASSESSMENT INSTRUMENTS AS THEY RELATE TO KINESIOLOGY.

KIN-3552 Methods of Elementary Physical Educatn **2 Credits**
METHODS AND PROCEDURES FOR TEACHING AGE APPROPRIATE PHYSICAL EDUCATION ACTIVITIES TO ELEMENTARY STUDENTS WITH CONSIDERATION FOR MATURATION AND INDIVIDUAL DIFFERENCES. NOTE-DEGREE CREDIT NOT ALLOWED IN BOTH 3433 AND 3552.

KIN-3563 Health Promotion **3 Credits**
BASIC INTRODUCTION TO THE PRINCIPLES OF HEALTH PROMOTION. SPECIFIC TOPICS WILL INCLUDE DISEASE PREVENTION, RISK REDUCTION, WELLNESS, RISK APPRAISAL AND RISK REDUCTION, BEHAVIOR CHANGE THEORIES, PROGRAM PLANNING AND MANAGEMENT, HOLISTIC HEALTH/WELLNESS, AND OTHERS.

KIN-3613 Motor Learning **3 Credits**
AN EXPLORATION OF LEARNING THEORY AS IT RELATES TO MOVEMENT SKILLS, THE INTERACTION OF COGNITIVE, AFFECTIVE AND PSYCHOMOTOR LEARNING DOMAINS, THE APPLICATION OF LEARNING THEORIES TO THE SKILLS OF PHYSICAL EDUCATION, RECREATION AND ATHLETICS.

KIN-3623 Community Recreation **3 Credits**
A STUDY OF THE ORGANIZATION OF COMMUNITY RECREATION PROGRAMS WITH ANEMPHASIS ON LEADERSHIP, PERSONNEL, FACILITIES, AND FINANCE.

KIN-3723 Biomechanics **3 Credits**
SCIENTIFIC STUDY OF HUMAN MOVEMENT, ANALYSIS OF FUNDAMENTAL MOVEMENTS AND THE MECHANICAL PRINCIPLES THAT APPLY TO HUMAN MOTION, APPLICATION TO TEACHING MOVEMENT SKILLS. Required Previous or Concurrent: KIN-3613 or KIN-3612

KIN-3733 Physiology of Exercise **3 Credits**
A GENERAL STUDY OF THE BIOENERGETICS OF MUSCULAR WORK, NEUROMUSCULAR STRUCTURE FUNCTION, AND CONTROL, CARDIORESPIRATORY FUNCTION AND CONTROL, PHYSICAL TRAINING, AND NUTRITION AND EXERCISE PERFORMANCE. Required Previous or Concurrent: KIN-3723

KIN-3883 Legal Aspects of Kinesiology **3 Credits**
EXPLORES THE LAW AND HOW IT IMPACTS THE FIELD OF KINESIOLOGY. EXAMINATION OF TOPICS INCLUDES THE AMERICAN LEGAL SYSTEM, INDIVIDUAL COURSES OF ACTION, LEGAL ISSUES COMMONLY FOUND WITHIN KINESIOLOGY, UNDERSTANDING THE CONCEPTS OF ETHICS, NEGLIGENCE AND RISK MANAGEMENT STRATEGIES TO REDUCE LEGAL LIABILITY.

KIN-4153 Organization and Administration **3 Credits**
AN OVERVIEW TO PREPARE THE STUDENT FOR THE ROLES AND RESPONSIBILITIES OF ADMINISTRATION INCLUDING BASIC MANAGEMENT PRINCIPLES, PERSONNEL, AND BUDGET.

KIN-4223 Strength and Conditioning **3 Credits**
STUDENTS WILL LEARN PRINCIPLES OF DESIGNING AND IMPLEMENTING STRENGTH AND CONDITIONING PROGRAMS FOR CLIENTS RANGING FROM THE PHYSICALLY ACTIVE TO THE COMPETITIVE ATHLETE. STUDENTS WILL GAIN KNOWLEDGE, EXPERTISE AND SPECIFIC TECHNIQUES CHARACTERISTIC OF SAFE AND EFFECTIVE STRENGHT AND CONDITIONING PROGRAMS. EMPHASIS WILL BE PLACED ON PROGRAMMING NEEDS OF INDIVIDUALS ACROSS GENDER, AGE, AND PHYSICAL FITNESS STATUS.

KIN-4253 Management of Tournaments and Competitive Sports Events **3 Credits**
A COMPREHENSIVE STUDY OF THE ORGANIZATION OF TOURNAMENTS AND MEETS.THIS COURSE OFFERS THE OPPORTUNITY TO BECOME INVOLVED IN THE DIRECT ORGANIZATION AND COMMUNICATION WITH HIGH SCHOOLS CONDUCTING PROGRAMS GERMANE TO THIS PHASE OF PUBLIC SCHOOL EDUCATION.

KIN-4284 Practicum **4 Credits**
A STRUCTURED PRACTICAL EXPERIENCE IN EXERCISE SCIENCE, RECREATION, OR ATHLETIC TRAINING. THE ASSIGNMENT WILL BE UNDER THE SUPERVISION OF A KINESIOLOGY DEPARTMENT FACULTY MEMBER.

KIN-4543 Advanced Theory of Coaching **3 Credits**
AN INTENSIVE STUDY OF MODERN TECHNIQUES OF COACHING.

KIN-4593 Psychology of Sports **3 Credits**
THIS COURSE EXAMINES PSYCHOLOGICAL THEORIES AND RESEARCH RELATED TO SPORT AND EXERCISE BEHAVIOR. THE COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE FIELD OF SPORT AND EXERCISE PSYCHOLOGY BY PROVIDING A BROAD OVERVIEW OF THE MAJOR TOPICS IN THE AREA.

KIN-4623 Exerercise Testing and Prescription **3 Credits**
THIS COURSE REVIEWS THE ESTABLISHED LINK BETWEEN FITNESS AND HEALTH. SKILLS AND CONCEPTS ARE TAUGHT THAT ENABLE THE LEARNER TO CHOOSE AND PERFORM APPROPRIATE PHYSICAL ASSESSMENTS FOR THE FOUR PRIMARY AREAS OF FITNESS AND PRESCRIBE APPROPRIATE EXERCISE REGIMENS BASED ON THE RESULTS AND KNOWLEDGE OF THE NEEDS OF VARIOUS POPULATIONS. Required Previous or Concurrent: KIN-3733

KIN-4981 Seminar in Kinesiology **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4982 Seminar in Kinesiology **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4983 Seminar in Kinesiology **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4984 Seminar in Kinesiology **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4991 Individual Study in Kinesiology **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4992 Individual Study in Kinesiology **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4993 Individual Study in Kinesiology **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4994 Individual Study in Kinesiology **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-5303 Sports Administration **3 Credits**
INTRODUCTION TO THE CONCEPTS, ASPECTS, AND PHILOSOPHIES OF MANAGING SPORT, FITNESS, AND RECREATIONAL ORGANIZATIONS.

KIN-5313 Sport Facility Management **3 Credits**
PLANNING, DESIGN, MANAGEMENT AND UPKEEP OF FACILITIES SUCH AS GYMNASIUMS, FIELDS, COURTS, AND AQUATIC CENTERS.

KIN-5323 Legal Aspects of Sport **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EACH STUDENT IN SPORTS ADMINISTRATION AN INTRODUCTION TO LEGAL IMPLICATIONS AND AN UNDERSTANDING OF HOW LEGAL CONCEPTS IMPACT DECISION MAKING.

KIN-5353 Ethics in Sports Administration **3 Credits**
THIS COURSE WILL PROVIDE THE STUDENT WITH A THEORETICAL BASE AND SYSTEMATIC REASONING TOOLS TO ADDRESS ETHICAL DILEMMAS IN A THOUGHTFUL, REFLECTIVE MANNER. FOCUS WILL BE PLACED ON SPECIFIC ISSUES RELATED TO SPORTS SUCH AS RESPECT, FAIR PLAY, HONESTY, SPROTSMANSHIP, AND RESPONSIBILITY.

KIN-5413 Principles of Sport Finance **3 Credits**
THIS COURSE IS DESIGNED TO EXAMINE FINANCIAL CONCEPTS IN SPORT WITH EMPHASIS ON VARIOUS TYPES OF BUDGETS, COST CONTROL MEASURES, PLANNING AND MONITORING VARIOUS ACCOUNT TYPES, AND CREATING ANNUAL REPORTS.

KIN-5423 Marketing and Event Management **3 Credits**
BASIC CONCEPTS OF MARKETING AND MANAGEMENT OF SPORT AND SPORTING EVENTS AND VENUES, PROMOTION, FACILITY MAINTENANCE, FUND RAISING AND OTHER INCOME SOURCES, LICENSING, JOINT VENTURE AGREEMENTS AND CORPORTATE SPONSORSHIP WILL BE EXAMINED.

KIN-5513 Leadership and Personnel Management **3 Credits**
THIS COURSE EXAMINES ISSUES OF MANAGEMENT AND ORGANIZATIONAL BEHAVIOR WITHIN SPORTS ADMINISTRATION, WITH SPECIFIC REFERENCE TO ISSUES OF STAFFING, MOTIVATION, AND COMMUNICATION. INTRODUCES LEADERSHIP THEORY, AS WELL AS THE TOOLS AND TECHNIQUES FOR ITS PRACTICAL APPLICATIONS, INCLUDING HOW TO MOST EFFECTIVELY APPLY LEADERSHIP THEORY ON A DAILY BASIS WITHIN A SPORTS ORGANIZATION.

KIN-5533 Sports in American Society **3 Credits**
THIS COURSE EXAMINES THE INFLUENCE OF THE SOCIAL CONTEXT ON SPORT, THE INFLUENCE OF SOCIETY ON SPORT, AND HOW SPORT AFFECTS THE SOCIAL WORLD WE LIVE IN. SPECIAL EMPHASIS WILL BE ON HOW SPORT INTERACTS WITH GENDER, RACE/ETHNICITY/CULTURE, SOCIOECONOMIC CLASS, MEDIA RELATIONS, VIOLENCE, DEVIANCE, AND SEXUALITY.

KIN-5613 Practicum in Sports Administration **3 Credits**
MINIMUM OF 100 HOURS OF ON-THE-JOB LEARNING EXPERIENCE, RELATED TO STUDENTS' CAREER INTEREST. THE INTERNSHIP WILL BE SPECIFIED BY THE EMPLOYER/SUPERVISOR WITH CONSENT OF THE INSTRUCTOR AND PROGRAM DIRECTOR. PROVIDES EXPERIENTIAL LEARNING DURING WHICH THE STUDENT WORKS UNDER DIRECT SUPERVISION. THE STUDENT IS IMMERSED IN A VARIETY OF INTENSIVE WORK ASSIGNMENTS, INCLUDING: WEEKLY JOURNALS, WRITTEN REPORTS, AND VARIOUS PRESENTATIONS. THE STUDENT WILL BE EVALUATED BY BOTH THE EMPLOYER/SUPERVISOR AND

KIN-5981 Seminar in Kinesiology **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5982 Seminar in Kinesiology **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5983 Seminar in Kinesiology **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5984 Seminar in Kinesiology **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5991 Individual Study in Kinesiology **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-5992 Individual Study in Kinesiology **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-5993 Individual Study in Kinesiology **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-5994 Individual Study in Kinesiology **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-H3563 Honors-Health Promotion **3 Credits**
BASIC INTRODUCTION TO THE PRINCIPLES OF HEALTH PROMOTION. SPECIFIC TOPICS WILL INCLUDE DISEASE PREVENTION, RISK REDUCTION, WELLNESS, RISK APPRAISAL AND RISK REDUCTION, BEHAVIOR CHANGE THEORIES, PROGRAM PLANNING AND MANAGEMENT, HOLISTIC HEALTH/WELLNESS, AND OTHERS.

KIN-H3613 Honors-Motor Learning **3 Credits**
AN EXPLORATION OF LEARNING THEORY AS IT RELATES TO MOVEMENT SKILLS, THE INTERACTION OF COGNITIVE, AFFECTIVE AND PSYCHOMOTOR LEARNING DOMAINS, THE APPLICATION OF LEARNING THEORIES TO THE SKILLS OF PHYSICAL EDUCATION, RECREATION AND ATHLETICS. Required Previous or Concurrent: KIN-2413

KIN-H3723 Honors-Biomechanics **3 Credits**
SCIENTIFIC STUDY OF HUMAN MOVEMENT, ANALYSIS OF FUNDAMENTAL MOVEMENTS AND THE MECHANICAL PRINCIPLES THAT APPLY TO HUMAN MOTION, APPLICATION TOTEACHING MOVEMENT SKILLS. Required Previous or Concurrent: KIN-3613 or KIN-3612

KIN-H3733 Honors-Physiology of Exercise **3 Credits**
A GENERAL STUDY OF THE BIOENERGETICS OF MUSCULAR WORK, NEUROMUSCULAR STRUCTURE FUNCTION, AND CONTROL, CARDIORESPIRATORY FUNCTION AND CONTROL, PHYSICAL TRAINING, AND NUTRITION AND EXERCISE PERFORMANCE. Required Previous or Concurrent: KIN-3723

KIN-H4153 Honors-Organization and Admin **3 Credits**
AN OVERVIEW TO PREPARE THE STUDENT FOR THE ROLES AND RESPONSIBILITIES OF ADMINISTRATION INCLUDING BASIC MANAGEMENT PRINCIPLES, PERSONNEL, AND BUDGET.

KIN-H4284 Honors-Practicum **4 Credits**
A STRUCTURED PRACTICAL EXPERIENCE IN EXERCISE SCIENCE, RECREATION, OR ATHLETIC TRAINING. THE ASSIGNMENT WILL BE UNDER THE SUPERVISION OF A KINESIOLOGY DEPARTMENT FACULTY MEMBER.

KIN-H4623 Honors-Exercise Testing & Prescription **3 Credits**
THIS COURSE REVIEWS THE ESTABLISHED LINK BETWEEN FITNESS AND HEALTH. SKILLS AND CONCEPTS ARE TAUGHT THAT ENABLE THE LEARNER TO CHOOSE AND PERFORM APPROPRIATE PHYSICAL ASSESSMENTS FOR THE FOUR PRIMARY AREAS OF FITNESS AND PRESCRIBE APPROPRIATE EXERCISE REGIMENS BASED ON THE RESULTS AND KNOWLEDGE OF THE NEEDS OF VARIOUS POPULATIONS. Required Previous or Concurrent: KIN-3733

LATIN (LATIN)

LATIN-1113 Elementary Latin I **3 Credits**
TRAINING IN THE ESSENTIALS OF LATIN FORMS AND CONSTRUCTION, EASY READING.

LATIN-1223 Elementary Latin II **3 Credits**
CONTINUED STUDY OF GRAMMAR AND COMPOSITION, READING OF STORIES OF MYTHOLOGY AND ROMAN HISTORY.

LATIN-2881 Special Studies in Latin **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-2882 Special Studies in Latin **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-2883 Special Studies in Latin **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-2884 Special Studies in Latin **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4981 Seminar in Latin **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4982 Seminar in Latin **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4983 Seminar in Latin **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4984 Seminar in Latin **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBRARY SCIENCE (LIBSC)

LIBSC-3003 Foundations of Librarianship **3 Credits**
SURVEY OF THE HISTORY AND CURRENT TRENDS IN LIBRARIES AND MODERN LIBRARIANSHIP, PHILOSOPHY AND ETHICS OF LIBRARY AND INFORMATION SCIENCES.

LIBSC-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-5113 School Library Administration I **3 Credits**
INTRODUCTION TO PRACTICAL PROBLEMS OF SCHOOL LIBRARIES ADDRESSED THROUGH LEADERSHIP SUCH AS SETTING GOALS, ADVOCACY, PROFESSIONAL DEVELOPMENT, PUBLIC RELATIONS, BUDGETING, CREATING AND MANAGING LEARNING ENVIRONMENTS, EQUIPMENT, AND TECHNOLOGY TO IMPROVE THE ROLE OF THE SCHOOL LIBRARY PROGRAM AS WELL AS STUDENT LEARNING.

LIBSC-5123 School Library Administration II **3 Credits**
STUDY OF THE ADMINISTRATION OF SCHOOL LIBRARIES. POLICY MAKING, RELATIONS WITH FACULTY, STUDENTS, PARENTS, ADMINISTRATIVE STAFF, AND COMMUNITY,MANAGEMENT TECHNIQUES.

LIBSC-5133 Materials Selection **3 Credits**
PRINCIPLES AND PRACTICE IN SELECTING DIVERSE PRINT AND NON-PRINT RESOURCES FOR ALL LEVELS AND ABILITIES OF LEARNERS IN SCHOOL LIBRARIES. CREATION, EVALUATION AND SHARING OF PRACTICES, POLICIES AND PROFESSIONAL POSITION STATEMENTS (E.G., LIBRARY BILL OF RIGHTS) THAT GUIDE SELECTION, ACCESS, AND SERVICES LEADING TO A RELEVANT COLLECTION OF INFORMATION RESOURCES, INCLUDING THOSE FOR LEISURE READING AND RESEARCH.

LIBSC-5213 Catalog and Classification **3 Credits**
AN INTRODUCTION TO AUTOMATED CATALOGS AND THE PRINCIPLES AND THEORIES OF CATALOGING AND CLASSIFICATION AS IT APPLIES TO SCHOOL LIBRARY PROGRAMS. AN EMPHASIS ON THE APPLICATION AND USE OF LOC, OCLC, WORLDCAT, SEARS LIST OF SUBJECT HEADINGS, THE DDC, AND OTHER

RESOURCES TO CREATE ACCURATE AND CONSISTENT LIBRARY RECORDS THAT IMPACT ACCESS OF THE COLLECTION FOR PK-12 LEARNERS. SHELVING AND LABELING PRACTICES WILL BE PRESENTED AS IT PERTAINS TO ALA/AASL POSITION STATEMENTS, STATE GUIDELINES, AND BEST

LIBSC-5233 Information Resources **3 Credits**
SELECTION AND EVALUATION OF INFORMATION RESOURCES TO DEVELOP, CURATE, AND ORGANIZE A COLLECTION. FOCUS ON THE USE OF INSTRUCTIONAL STRATEGIES, INFORMATION NEEDS, AND THE DEVELOPMENT OF INFORMATION SKILLS IN THE P-12 ENVIRONMENT.

LIBSC-5353 Literacy in the School Library **3 Credits**
PRINCIPLES OF PRINT, INFORMATION, AND MEDIA LITERACY WILL BE ADDRESSED WITH AN INCLUSION OF MOTIVATIONAL STRATEGIES, ETHICAL USE OF INFORMATION, AND EVALUATION OF SOURCES TO ADDRESS NATIONAL SCHOOL LIBRARY STANDARDS. STUDENTS WILL MAKE USE OF RESEARCH DATA AND MODEL STRATEGIES IN USING INFORMATION TO CREATE INSTRUCTIONAL LEARNING EXPERIENCES FOR P-12 LEARNERS.

LIBSC-5373 Media Production and Planning **3 Credits**
DESIGN AND PRODUCTION OF MATERIALS INCLUDING VIDEO, MULTIMEDIA PRODUCTION AND WEB PAGE DESIGN. STUDY OF PRINCIPLES OF VISUAL DESIGN AS IT RELATES TO PRODUCTION OF MATERIALS. LIBRARY UTILIZATION OF MATERIALS FOR INDIVIDUALIZED OR SMALL GROUP INSTRUCTION, TRAINING OF VOLUNTEERS AND PUBLIC RELATIONS.

LIBSC-5383 The Library and the Special Student **3 Credits**
TECHNIQUES OF ANALYZING STUDENT BODY COMPOSITION FOR SPECIAL GROUPS, RATIONALE FOR FOCUS ON SPECIAL GROUPS, CHARACTERISTICS, NEEDS, ATTITUDES OF AND TOWARDS SPECIAL GROUPS. LIBRARY SERVICES, PROGRAMS, AND MATERIALS RELEVANT TO SPECIAL STUDENTS, INCLUDING GIFTED AND TALENTED, MINORITY, PHYSICALLY-DISABLED, LEARNING-DISABLED, AND EMOTIONALLY-DISTURBED. AVOIDANCE OF STEREOTYPING IN LIBRARY MATERIALS AND BIBLIOGRAPHIC TOOLS.

LIBSC-5923 Young Adult Literature **3 Credits**
EXAMINATION OF CURRENT ISSUES IN YOUNG ADULT LITERATURE INCLUDING THE READING HABITS OF TEEN READERS, CREATION OF ENGAGING PHYSICAL AND VIRTUAL ACTIVITIES TO MOTIVATE AND ENCOURAGE SOCIAL INTERACTION AND READING FOR PLEASURE, AND EXPOSURE TO A WIDE VARIETY (I.E., GENRES, FORMATS) OF YOUNG ADULT LITERATURE.

LIBSC-5952 Practicum and Capstone in Library Media **2 Credits**
SUPERVISED PRACTICUM AND CAPSTONE EXPERIENCE IN AN APPROVED SCHOOL LIBRARY LEARNING ENVIRONMENT. THE CAPSTONE IS A SELF-SELECTED, RESEARCH SUPPORTED PROJECT ALIGNED TO PROGRAM STANDARDS AND IMPLEMENTED WITH INSTRUCTOR APPROVAL DURING THE COURSE TERM. CANDIDATES WILL COMPLETE A VARIETY OF ACTIVITIES THAT ADDRESS THE LIBRARY PROGRAM INCLUDING READING ADVISORY AND MOTIVATION, PROGRAM PROMOTION, INSTRUCTION, ACCESS, COLLECTION DEVELOPMENT POLICIES, FIDUCIARY RESPONSIBILITY, AND PROFESSIONAL DEVELOPM

LIBSC-5963 Library Technology **3 Credits**
IMPACT OF TECHNOLOGY ON LIBRARY MATERIALS AND PROCESSES. PLANNING, IMPLEMENTING, MAINTAINING, AND EVALUATING AUTOMATED LIBRARY SYSTEMS. USE OF AUTOMATION, INCLUDING CATALOGING NETWORKS AND COMPUTERIZED INFORMATION RETRIEVAL.

LIBSC-5973 Curriculum and the School Library **3 Credits**
THE SCHOOL LIBRARIAN'S ROLE AND RESPONSIBILITY IN SUPPORTING TEACHERS AND GUIDING STUDENTS BY TEACHING, COLLABORATING, AND DESIGNING DEVELOPMENTALLY AND CULTURALLY RESPONSIVE RESOURCE-BASED LEARNING EXPERIENCES THAT INTEGRATE THE NATIONAL SCHOOL LIBRARY STANDARDS' SHARED FOUNDATIONS. DEVELOPMENT OF INSTRUCTION THAT INCLUDES A VARIETY OF STRATEGIES IN BOTH PHYSICAL AND VIRTUAL LEARNING ENVIRONMENTS THAT ADDRESSES MULTIPLE INTELLECTUAL AND PHYSICAL ABILITIES OF LEARNERS.

LIBSC-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-S4981 Seminar in Library Science (subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-S5981 Seminar in Library Science (subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LEGAL STUDIES (LS)

LS-3223 Legal Research and Writing I 3 Credits
INTRODUCTION TO LEGAL RESEARCH, WRITING, RESEARCH STRATEGIES, CASE BRIEFS, VOCABULARY, UNIFORM SYSTEM OF CITATION, DIGESTS, STATUTES, AND REPORTS, SHEPARDS, ANNOTATED LAW REPORTS, ENCYCLOPEDIAS AND COMPUTER DATABASES. Required Previous: Take LSPS-2153 or departmental approval

LS-3233 Legal Research and Writing II 3 Credits
CONTINUATION OF LS 3223. ADVANCED LEGAL RESEARCH, COURT RULES, RESTATEMENTS, ADMINISTRATIVE DECISIONS, DRAFTING OPERATIVE LEGAL DOCUMENTS, MEMORANDA OF LAW TO THE TRIAL COURT, APPELLATE BRIEFS, TREATISES, FORM BOOKS, PERIODICALS. Required Previous: Take LS-3223 or departmental approval

LS-3243 Native American Legal Clinic 3 Credits
PRACTICAL EXPERIENCE IN SKILLS SUCH AS CLIENT INTAKE, CASE MANAGEMENT, LEGAL RESEARCH, AND DOCUMENT DRAFTING. SPECIAL EMPHASIS IS GIVEN TO LEGAL ISSUES FACING FIRST AMERICAN TRIBAL MEMBERS. MAY BE REPEATED FOR A MAXIMUM OF 6 CREDIT HOURS.

LS-3383 Legal Systems Applications 3 Credits
A COMPREHENSIVE COURSE COVERING LEGAL OFFICE APPLICATIONS, TERMINOLOGY, ETHICS AND CONFIDENTIALITY, AND HUMAN RELATIONS. Required Previous or Concurrent: Take LSPS-2153

LS-3563 Civil Procedure and Litigation 3 Credits
TOPICS TO INCLUDE: CLIENT INTERVIEWING, CASE INVESTIGATION, VENUE, JURISDICTION, THE FILING OF PLEADINGS AND MOTIONS, DISCOVERY TECHNIQUES, FILE AND DOCUMENT MANAGEMENT, TRIAL PREPARATION AND ASSISTANCE, AND POST TRIAL PRACTICE. Required Previous: Take LSPS-2153 or departmental approval

LS-4123 Torts 3 Credits
AN INTRODUCTION AND STUDY OF THE BROAD AREA OF CIVIL WRONGS AND THEIR APPROPRIATE REMEDIES. ANALYSIS OF TORT LAW PRINCIPLES IN THE TRADITIONAL AREAS OF INTENTIONAL TORTS, NEGLIGENCE, ABSOLUTE LIABILITY, PRODUCT LIABILITY, NUISANCE AND COMMONLY EMPLOYED DEFENSES. EMPHASIS IS PLACED ON THE ETHICAL OBLIGATIONS PERTAINING TO THE PRACTICE OF TORT LAW FOR PARALEGALS AND ATTORNEYS. Required Previous: Take LSPS-2153 or departmental approval

LS-4133 Evidence 3 Credits
A STUDY OF THE FEDERAL AND OKLAHOMA RULES OF EVIDENCE. ANALYSIS OF EVIDENTIARY RULES REGARDING HEARSAY, CHARACTER EVIDENCE, EVIDENCE OF OTHER CRIMES, LAY AND EXPERT TESTIMONY, AND OTHER TYPES OF EVIDENCE IN TRIALS. THE COURSE WILL FOCUS ON THE EVIDENTIARY RULES, THE POLICY REASONS FOR THOSE RULES, AND THEIR APPLICATION AT TRIAL WITH A PROGRESSION THROUGH THE LITIGATION PROCESS, UTILIZING THE RULES OF EVIDENCE. EVIDENTIARY RULES REGULATE THE ADMISSION OF PROOF IN THE TRIAL SETTING, THEREFORE, THE Required Previous: Take LSPS-2153 or departmental approval

LS-4143 Native American Law 3 Credits
AN INTRODUCTION AND STUDY OF ISSUES RELATED TO NATIVE AMERICANS AND THE LAW. EMPHASIS ON THE ANALYSIS OF SOVEREIGNTY ISSUES, TREATIES, AND NATIVE AMERICAN COURTS.

LS-4173 Contracts 3 Credits
A PRACTICAL STUDY OF THE BASIC ELEMENTS OF CONTRACTS. THIS COURSE FOCUSES ON FUNDAMENTAL PROBLEMS OF CONTRACT FORMATION, PERFORMANCE, BREACH, AND REMEDIES. Required Previous: LSPS-2153

LS-4183 Real Estate Law 3 Credits
THE LAW AND HISTORY OF REAL ESTATE TRANSACTIONS AND PROCEDURES. TOPICSTO INCLUDE: INFORMATION GATHERING, TITLE SEARCHES, PREPARATION OF PRE-LIMINARY ABSTRACTS OF TITLE AND TITLE OPINIONS, MORTGAGES, DEEDS, LEASES AND CLOSING PROCEDURES. Required Previous: Take LSPS-2153 or departmental approval

LS-4253 Family Law 3 Credits
LAW AND PROCEDURE RELATING TO MARRIAGE, CHILDREN, AND PROPERTY. TOPICS TO INCLUDE: INTERVIEWING; PREPARATION OF PLEADINGS FOR DISSOLUTION, SUPPORT, AND DIVISION OF PROPERTY; TRACING ASSETS; DRAFTING SETTLEMENTS; AND OTHER ISSUES. Required Previous: Take LSPS-2153 or departmental approval

LS-4283 Criminal Law 3 Credits
A STUDY OF THE SOURCE AND DEVELOPMENT OF CRIMINAL LAW, ITS PRACTICAL APPLICATION, INTERPRETATION, AND ENFORCEMENT, AND AN ANALYSIS OF SUPREME COURT DECISIONS TO EMPHASIZE PROBLEMS IN DUE PROCESS. Required Previous: Take LSPS-2153 or departmental approval

LS-4543 Wills, Estates, Trusts and Probate 3 Credits
ESTATE PLANNING AND FIDUCIARY MANAGEMENT. TOPICS TO INCLUDE: ESTATE PLANS, WILLS, FEDERAL ESTATE TAX, STATE INHERITANCE TAX, FEDERAL AND STATE INCOME TAX, RECORD KEEPING, COURT ACCOUNTINGS, TRUST ADMINISTRATION, AND ASSET INVENTORY. Required Previous: Take LSPS-2153 or departmental approval

LS-4653 Administrative Law 3 Credits
AN EXAMINATION OF THE LAWS AND PROCEDURES OF GOVERNMENT AGENCIES, INCLUDING AGENCY PURPOSES, RIGHTS OF PRIVATE PARTIES, LEGAL ISSUES, QUASI-JUDICIAL DECISIONS AND APPEALS. Required Previous: Take LSPS-2153 or departmental approval

LS-4863 Legal Ethics **3 Credits**
AN EXAMINATION OF ETHICAL PROBLEMS CONFRONTING PARALEGALS AND THE LEGAL PROFESSION AND AN INTENSE APPLICATION OF SKILLS LEARNED IN THE LEGAL STUDIES MAJOR.

LS-4943 Legal Internship **3 Credits**
PRACTICAL EXPERIENCE GAINED WHILE SERVING IN A LAW OFFICE OR A LEGALLY RELATED CONTEXT UNDER PROFESSIONAL SUPERVISION WITH SPECIAL PROJECTS UNDER THE GUIDANCE OF A FACULTY MEMBER.

LS-4981 Seminar **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-4983 Seminar **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-4984 Seminar **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-H4543 Honors-Wills, Estates, Trusts, and Probate **3 Credits**
ESTATE PLANNING AND FIDUCIARY MANAGEMENT. TOPICS TO INCLUDE: ESTATEPLANS, WILLS, FEDERAL ESTATE TAX, STATE INHERITANCE TAX, FEDERAL ANDSTATE INCOME TAX, RECORD KEEPING, COURT ACCOUNTINGS, TRUST ADMINISTRATION, AND ASSET INVENTORY. Required Previous: LSPS-2153 or departmental approval

LS-H4653 Honors-Administrative Law **3 Credits**
AN EXAMINATION OF THE LAWS AND PROCEDURES OF GOVERNMENT AGENCIES, INCLUDING AGENCY PURPOSES, RIGHTS OF PRIVATE PARTIES, LEGAL ISSUES, QUASI-JUDICIAL DECISIONS AND APPEALS. Required Previous: LSPS-2153 or departmental approval

LS-H4863 Hnrs Legal Ethics, Professional Responsibility, and Advanced Litigation **3 Credits**
AN EXAMINATION OF ETHICAL PROBLEMS CONFRONTING PARALEGALS AND THE LEGALPROFESSION AND AN INTENSE APPLICATION OF SKILLS LEARNED IN THE LEGAL STUDIES MAJOR.

LS-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LEGAL STUDIES - POLITICAL SCIENCE (LSPS)

LSPS-2153 Introduction to Law **3 Credits**
AN EXAMINATION OF THE NATURE OF LAW, THE STRUCTURE AND FUNCTIONS OF THE AMERICAN COURTS AND JUDICIARY, SELECTION OF JUDGES, AND POLITICAL INFLUENCES ON JUDICIAL DECISIONS. Required Previous: Take PS-1113 or departmental approval

LSPS-3113 Constitutional Law: Issues of National Power **3 Credits**
A STUDY OF THE POWERS OF THE FEDERAL COURTS, THE CONGRESS, THE PRESIDENT, AND THE DISTRIBUTION OF AUTHORITY BETWEEN THE NATIONAL AND STATE GOVERNMENTS, CONTRACTS, THE COMMERCE AND TAX POWERS, AS THESE RELATE TO GOVERNMENT REGULATION OF THE NATIONAL ECONOMY, AND THE 14TH AMENDMENT.

LSPS-3133 Civil Rights and Liberties **3 Credits**
THIS COURSE EXAMINES MAJOR SUPREME COURT DECISIONS INCLUDING HOW THE DUE PROCESS CLAUSE HAS BEEN APPLIED IN THE IN THE CRIMINAL JUSTICE SYSTEM AS WELL AS HOW THE EQUAL PROTECTION CLAUSE OF THE 14TH AMENDMENT HAS BEEN USED TO PROTECT PEOPLE ON THE BASIS OF RACE, SEX, SEXUAL ORIENTATION, AND GENDER IDENTITY. PRIVACY LAW, GUN RIGHTS, AND VOTING RIGHTS ARE ALSO EXAMINED.

LSPS-3143 First Amendment Law **3 Credits**
STUDIES THE SUPREME COURT'S INTERPRETATION OF THE FIRST AMENDMENT, WITHAN EMPHASIS ON ITS RELIGION AND SPEECH CLAUSES. THE POLITICAL, HISTORICAL, AND THEORETICAL BACKGROUND OF THE CASES IS ALSO CONSIDERED.

LSPS-4113 International Law **3 Credits**
THIS COURSE EXPLORES THE ROLE OF INTERNATIONAL LAW IN THE RELATIONS OF STATES, INTERGOVERNMENTAL ORGANIZATIONS, NATURE, DEVELOPMENT, THEORY, SOURCES OF LAW, INTERNATIONAL PERSONALITY, JURISDICTION, INCLUDING TERRITORY AND NATIONALITY, DISPUTE SETTLEMENT. Required Previous: Take LSPS-2153

LSPS-4883 Jurisprudence **3 Credits**
JURISPRUDENCE IS THE PHILOSOPHY OF LAW. THIS COURSE EXAMINES THE LEADING SCHOOOLS OF THOUGHT THAT INFLUENCE LEGAL THINKING AND DECISION MAKING, INCLUDING NATURAL LAW, POSITIVISM, LEGAL REALISM, AND OTHERS. Required Previous: Take LSPS-2153

LSPS-4981 Seminar in Law **1 Credit**
DIRECTED GROUP STUDY ON SPEICAL SUBJECT OR PROBLEM.

LSPS-4982 Seminar in Law **2 Credits**
DIRECTED GROUP STUDY OF SPECIAL SUBJECT OR PROBLEM.

LSPS-4983 Seminar in Law **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LSPS-4984 Seminar in Law **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LSPS-H2153 Honors-Introduction to Law **3 Credits**
AN EXAMINATION OF THE NATURE OF LAW, THE STRUCTURE AND FUNCTIONS OF THEAMERICAN COURTS AND JUDICIARY, SELECTION OF JUDGES, AND POLITICAL INFLUENCES ON JUDICIAL DECISIONS. Required Previous: Take PS-1113 or departmental approval

LSPS-H4983 Honors-Seminar in Law **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATHEMATICS (MATH)

MATH-0113 Beginning Algebra **3 Credits**
REVIEW OF ELEMENTARY ALGEBRA THROUGH INTRODUCTION TO QUADRATIC EQUATIONS. THIS COURSE DOES NOT COUNT FOR DEGREE CREDIT AND DOES NOT SATISFY THE GENERAL EDUCATION REQUIREMENT IN MATHEMATICS. GRADING IS P OR F.

MATH-0214 Intermediate Algebra **4 Credits**
A REVIEW OF ELEMENTARY ALGEBRA INCLUDING FRACTIONS, OPERATIONS ON REAL NUMBERS, POLYNOMIALS, FIRST AND SECOND DEGREE EQUATIONS AND INEQUALITIES, EXPONENTS, GRAPHING, RELATIONS AND FUNCTIONS, AND SYSTEMS OF EQUATIONS AND INEQUALITIES. THIS COURSE DOES NOT COUNT FOR DEGREE CREDIT AND DOES NOT SATISFY THE GENERAL EDUCATION REQUIREMENT IN MATHEMATICS. GRADING IS P OR F. Required Previous: Students with ACT of 19 or above may not enroll.

MATH-0221 Supplemental Probability and Statistics **1 Credit**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE AN INTRODUCTION TO PROBABILITY AND STATISTIC COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN INTRODUCTION TO PROBABILITY AND STATISTICS. THESE CONCEPTS INCLUDE DATA ANALYSIS, ELEMENTARY AND GENERAL PROBABILITY SPACES TREATED FROM AN INTUITIVE POINT OF VIEW, COMMON FREQUENCY DISTRIBUTIONS, AND STATISTICAL INFERENCE.

MATH-0411 Supplemental Survey of Mathematics **1 Credit**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE A SURVEY OF MATHEMATICS COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN SURVEY OF MATHEMATICS. TOPICS WILL BE SELECTED FROM LOGIC, ALGEBRA, ANALYSIS, GEOMETRY, TOPOLOGY, PROBABILITY, STATISTICS, AND MATHEMATICS OF FINANCE. Required Previous: Students with ACT of 19 or above may not enroll.

MATH-0512 College Algebra Supplemental **2 Credits**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE A COLLEGE ALGEBRA COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN COLLEGE ALGEBRA. THESE CONCEPTS INCLUDE RATIONAL ARITHMETIC, FACTORING POLYNOMIALS, GRAPHING FUNCTIONS, ALGEBRAIC RULES, AND NOTATION. Required Previous: Students with ACT of 19 of above may not enroll.

MATH-0612 Supplemental Functions and Modeling **2 Credits**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE A FUNCTIONS AND MODELING COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN FUNCTIONS AND MODELING. THESE CONCEPTS INCLUDE STUDY OF EQUATIONS AND FUNCTIONS (LINEAR, POLYNOMIAL, RATIONAL, EXPONENTIAL, LOGARITHMIC) FROM VARIOUS PERSPECTIVES (SYMBOLIC, VERBAL, NUMERICAL, GRAPHICAL), DIGITAL TECHNIQUES FOR GRAPHING FUNCTIONS, SOLVING EQUATIONS, AND MODELING DATA USING REGRESSIONS. Required Previous: Students with ACT 19 or above may not enroll.

MATH-1223 Introduction to Probability and Statistics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0214, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0221.

MATH-1413 Survey of Mathematics **3 Credits**
AN INTRODUCTION TO VARIOUS TOPICS IN MATHEMATICS DESIGNED TO CONVEY A GENERAL KNOWLEDGE AND APPRECIATION OF MATHEMATICS. TOPICS WILL BE SELECTED FROM LOGIC, ALGEBRA, ANALYSIS, GEOMETRY, TOPOLOGY, PROBABILITY, STATISTICS, AND MATHEMATICS OF FINANCE. Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0203, OR have completed Math-0124, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0411.

MATH-1513 College Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0124, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0512.

MATH-1613 Functions and Modeling **3 Credits**
STUDY OF EQUATIONS AND FUNCTIONS (LINEAR, POLYNOMIAL, RATIONAL, EXPONENTIAL, LOGARITHMIC) FROM VARIOUS PERSPECTIVES (SYMBOLIC, VERBAL, NUMERICAL, GRAPHICAL), DIGITAL TECHNIQUES FOR GRAPHING FUNCTIONS, SOLVING EQUATIONS, AND MODELING DATA USING REGRESSIONS. THIS COURSE IS DESIGNED FOR STUDENTS IN AGRICULTURAL, BUSINESS, LIFE/HEALTH SCIENCE, OR SOCIAL SCIENCE MAJORS. Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0124, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0612.

MATH-1653 Mathematics for Biological Science **3 Credits**
SELECTED TOPICS FROM ALGEBRA, TRIGONOMETRY, ANALYTICAL GEOMETRY, PROBABILITY, AND OTHER TOPICS APPLICABLE TO THE STUDY OF BIOLOGY. OPEN ONLY TO MEDICAL TECHNOLOGY MAJORS AND BIOLOGY MAJORS AND MINORS. DEGREE CREDIT NOT ALLOWED IN BOTH MATH 1513 & 1653, NOR IN BOTH MATH 1614 & 1653. THIS COURSE DOES NOT SATISFY THE GENERAL EDUCATION REQUIREMENT FOR TEACHER CERTIFICATION. Required Previous: Must have an ACT Math subject score of 19 or have a SAT Math subject score of 510 or have completed Math-0214 or have tested out of a math deficiency in Accuplacer.

MATH-1713 Trigonometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous or Concurrent: Take MATH-1513 MATH-1613 or MATH-1653.

MATH-2332 Medical Mathematics **2 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE, NON-ROUTINE, AND REAL-WORLD PROBLEMS. THE CONTENT OF THIS COURSE IS DESIGNED TO STRENGTHEN THE FOUNDATIONAL SKILLSET NEEDED FOR DOSAGE AND OTHER CALCULATIONS IN THE NURSING FIELD AND FURTHER STUDENTS' UNDERSTANDING OF DOSAGE FROM AN ALGEBRAIC STANDPOINT. CAREFUL TREATMENT IS GIVEN TO RATIOS WITH A STRONG FOCUS ON RELATIONSHIPS ACROSS RATIONA

MATH-2613 Calculus for Business, Life and Social Sciences **3 Credits**
INFORMAL STUDY OF DIFFERENTIATION AND INTEGRATION OF POLYNOMIAL, EXPONENTIAL AND LOGARITHMIC FUNCTIONS WITH APPLICATIONS TO BUSINESS, LIFE AND SOCIAL SCIENCES. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH MATH 2613 & 2825) Required Previous: Take MATH-1513 MATH-1613 or MATH-1653.

MATH-2713 Mathematical Concepts I **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: DEMONSTRATE AND EXPLAIN ARITHMETIC OPERATIONS USING STANDARD AND NON-STANDARD ALGORITHMS WITH VARIOUS MODELS, INTERPRETATIONS, MANIPULATIVES, AND REPRESENTATIONS FOR WHOLE NUMBERS AND INTEGERS.; UTILIZE MENTAL MATH, ESTIMATION, SET THEORY, OTHER BASE NUMERATION SYSTEMS, FACTORING, AND DIVISIBILITY TO SOLVE PRO Required Previous: Must have an ACT Math subject score of 19 or have a SAT Math subject score of 510 or have completed Math-0124 or have tested out of a math deficiency in Accuplacer.

MATH-2723 Mathematical Concepts II **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: USE APPROPRIATE TERMINOLOGY AND NOTATION OF GEOMETRY; CLASSIFY, ANALYZE, AND CATEGORIZE SHAPES IN TWO AND THREE DIMENSIONS; DEFINE AND APPLY UNITS OF MEASURE, INCLUDING THE CREATION AND USE OF NONSTANDARD UNITS; APPLY AND CONSTRUCT ALGEBRAIC FORMULAS RELATING LINEAR MEASUREMENTS OF GEOMETRIC SHAPES TO THE TWO Required Previous or Concurrent: Take MATH-2713

MATH-2733 Mathematical Concepts III **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: USE RATIOS, PROPORTIONS, DRAWINGS, AND/OR MANIPULATIVES TO REPRESENT, EXPLAIN, AND SOLVE PROBLEMS INCORPORATING FRACTIONS, DECIMALS, AND PERCENTAGES; DEMONSTRATE AND DISTINGUISH BETWEEN STANDARD AND NONSTANDARD ALGORITHMS, INTERPRETATIONS, AND REPRESENTATIONS OF RATIONAL AND REAL NUMBERS; IDENTIFY AND APPLY TH Required Previous or Concurrent: Take MATH-2713.

MATH-2825 Calculus and Analytic Geometry I **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-1713.

MATH-2881 SPSTU- **1 Credit**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-2882 SPSTU- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-3025 Calculus and Analytic Geometry II **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Math-2825 or departmental approval.

MATH-3033 Calculus and Analytic Geometry III **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3025 or departmental approval.

MATH-3093 Introduction to Theorem Proving and Number Theory **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Math-3025 or departmental approval.

MATH-3213 College Geometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3025 and MATH-3093.

MATH-3263 Methods of Teaching Jr High Mathematics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-2825 and MATH-2733.

MATH-3513 Mathematical Statistics **3 Credits**
A STUDY OF ADVANCED PROBABILITY THEORY INCLUDING COUNTING TECHNIQUES, PERMUTATIONS, AND COMBINATIONS, PROPERTIES OF RANDOM VARIABLES WITH EMPHASIS ON DENSITY FUNCTIONS, EXPECTED VALUES, ESTIMATORS, MOMENTS AND MOMENT GENERATING FUNCTIONS, AND DISCRETE AND CONTINUOUS PROBABILTY DISTRIBUTIONS. Required Previous: Math-1223 or departmental approval

MATH-3583 Applied Statistics **3 Credits**
AN ADVANCED COURSE IN APPLIED STATISTICS COVERING THE FOLLOWING TOPICS: SAMPLING DISTRIBUTIONS, SUMMARY MEASURES, INTERVAL ESTIMATION, HYPOTHESIS TESTING, CHI-SQUARE TEST, ANALYSIS OF VARIANCE, LINEAR AND MULTIPLE REGRESSION, CORRELATION ANALYSIS, FORECASTING, TIME SERIES, AND NONPARAMETRIC METHODS. Required Previous: Take MATH-1223 or BSEC-2603.

MATH-3713 Linear Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3025.

MATH-3813 Modern Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3033 and MATH-3093 or departmental approval.

MATH-4113 Differential Equations **3 Credits**
INTRODUCTION TO THE THEORY OF ORDINARY DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF THE FIRST ORDER AND FIRST DEGREE, FIRST ORDER AND HIGHER DEGREE, LINEAR DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF ORDER HIGHER THAN THE FIRST, APPLICATIONS. Required Previous: Take MATH-3025 or departmental approval.

MATH-4133 Real Analysis **3 Credits**
SOME PROPERTIES OF THE REAL NUMBER SYSTEM, FUNCTIONS, SEQUENCES, LIMITS, DIFFERENTIATION, RIEMANN INTEGRALS. Required Previous: Math-3033 or departmental approval

MATH-4223 Introduction to Point Set Topology **3 Credits**
ELEMENTS OF SET THEORY, THE REAL NUMBER SYSTEM, MAPPINGS, METRIC SPACES AND GENERAL TOPOLOGICAL SPACES. Required Previous: Take MATH-3033 and MATH-3093 or departmental approval.

MATH-4313 Introduction to Complex Variables **3 Credits**
A STUDY OF THE COMPLEX NUMBER SYSTEM, FUNCTIONS OF A COMPLEX VARIABLE, DIFFERENTIATION, INTEGRATION, SERIES, RESIDUES AND POLES, CONFORMAL MAPPINGS, AND APPLICATIONS TO THE PHYSICAL SCIENCES. Required Previous: Take MATH-3025.

MATH-4363 Mathematical Modeling **3 Credits**

MATH-4811 History of Mathematics **1 Credit**
THE HISTORICAL DEVELOPMENT OF MATHEMATICAL CONCEPTS AND SYMBOLISM. Required Previous: Take MATH-3025 or departmental approval.

MATH-4922 Methods of Teaching Secondary Mathematics **2 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Math-2825 or departmental approval

MATH-4923 Perspectives in Mathematics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3033.

MATH-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MATH-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-H1223 Honors-Intro to Prob & Stats **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H1513 Honors-College Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H1713 Honors-Trigonometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H2723 Honors-Mathematical Concepts II **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: USE APPROPRIATE TERMINOLOGY AND NOTATION OF GEOMETRY; CLASSIFY, ANALYZE, AND CATEGORIZE SHAPES IN TWO AND THREE DIMENSIONS; DEFINE AND APPLY UNITS OF MEASURE, INCLUDING THE CREATION AND USE OF NONSTANDARD UNITS; APPLY AND CONSTRUCT ALGEBRAIC FORMULAS RELATING LINEAR MEASUREMENTS OF GEOMETRIC SHAPES TO THE TWO Required Previous or Concurrent: Take MATH-2713

MATH-H2825 Honors-Calculus and Analytic Geometry I **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3025 Honors-Calculus and Analytic Geometry II **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3033 Honors-Calculus and Analytic Geometry III **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3213 Honors-College Geometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3513 Honors-Mathematical Statistics **3 Credits**
A STUDY OF ADVANCED PROBABILITY THEORY INCLUDING COUNTING TECHNIQUES, PERMUTATIONS, AND COMBINATIONS, PROPERTIES OF RANDOM VARIABLES WITH EMPHASIS ON DENSITY FUNCTIONS, EXPECTED VALUES, ESTIMATORS, MOMENTS AND MOMENT GENERATING FUNCTIONS, AND DISCRETE AND CONTINOUS PROBABILTY DISTRIBUTIONS.

MATH-H3583 Honors-Applied Statistics **3 Credits**
AN ADVANCED COURSE IN APPLIED STATISTICS COVERING THE FOLLOWING TOPICS: SAMPLING DISTRIBUTIONS, SUMMARY MEASURES, INTERVAL ESTIMATION, HYPOTHESES TESTING, CHI-SQUARE TEST, ANALYSIS OF VARIANCE, LINEAR AND MULTIPLE REGRESSION, CORRELATION ANALYSIS, FORECASTING, TIME SERIES, AND NONPARAMETRIC METHODS.

MATH-H3713 Honors-Linear Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3813 Honors-Modern Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H4113 Honors-Differential Equations **3 Credits**
INTRODUCTION TO THE THEORY OF ORDINARY DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF THE FIRST ORDER AND FIRST DEGREE, FIRST ORDER AND HIGHER DEGREE, LINEAR DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF ORDER HIGHER THAN THE FIRST, APPLICATIONS.

MATH-H4133 Honors-Intermediate Analysis **3 Credits**
SOME PROPERTIES OF THE REAL NUMBER SYSTEM, FUNCTIONS, SEQUENCES, LIMITS,DIFFERENTIATION, RIEMANN INTEGRALS.

MATH-H4313 Honors-Introduction to Complex Variables **3 Credits**
A STUDY OF THE COMPLEX NUMBER SYSTEM, FUNCTIONS OF A COMPLEX VARIABLE,DIFFERENTIATION, INTEGRATION, SERIES, RESIDUES AND POLES, CONFORMAL MAPPINGS, AND APPLICATIONS TO THE PHYSICAL SCIENCES.

MATH-H4915 Honors-Methods of Teaching Secondary Mathematics **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-S5981 Seminar in Math-Subject Named in Title title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-S5982 Seminar in Math-Subject Named in Title title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-S5983 Seminar in Math-Subject Named in Title title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MASS COMMUNICATION (MCOM)

MCOM-1211 Introduction to Media Equipment **1 Credit**
THIS COURSE IS DESIGNED TO HAVE STUDENTS BECOME ACQUAINTED WITH AUDIO RECORDING EQUIPMENT, CINEMATOGRAPHY AND PHOTOGRAPHY CAMERA EQUIPMENT, COMPUTER, DIGITAL FILE ORGANIZATION, AND ADOBE CREATIVE SUITE SOFTWARE.

MCOM-1713 Introduction to Photography **3 Credits**
INTRODUCTION TO BASICS OF LIGHTING, CAMERA OPERATION, AND USE OF THE DIGITAL DARKROOM. EMPHASIS ON COMPOSITION, SUBJECT MATTER, AND DEVELOPMENT OF A VISION THROUGH THE LENS OF A CAMERA. STUDENTS CREATE A FINAL THEMATIC PROJECT AS AN INTRODUCTION TO PHOTOJOURNALISM AND CONVERGED MEDIA.

MCOM-1733 Introduction to Mass Media **3 Credits**
A SURVEY OF THE MASS COMMUNICATIONS FIELDS, INCLUDING A HISTORY AND DEVELOPMENT OF NEWSPAPERS, MAGAZINES, WEB-BASED MEDIA, RADIO, AND TELEVISION.

MCOM-1813 Introduction to Video Production **3 Credits**
INTRODUCTION TO CAMERA OPERATION AND EDITING WITH AN EMPHASIS ON THE DEVELOPMENT OF TECHNICAL AESTHETIC SKILLS.

MCOM-2003 Principles of Game Design **3 Credits**
THIS COURSE EXAMINES THE PRINCIPLES OF GAME DESIGN THROUGH EXERCISES AND ASSIGNMENTS GEARED TOWARD CREATING COMPELLING GAMES. STUDENTS WILL LEARN THE GAME DESIGN PROCESS THROUGH A COMPREHENSION OF THE HISTORY OF GAME DESIGN, GAME THEORY, AND PROJECT DEVELOPMENT FROM INITIAL CONCEPT TO PUBLIC LAUNCH. TOPICS INCLUDE BASIC TERMINOLOGY AND BEST PRACTICES IN THE FUNDAMENTALS OF ART, DESIGN, AND PROGRAMMING USING CONTEMPORARY GAME ENGINE SOFTWARE.

MCOM-2733 Writing for Media I **3 Credits**
PRINCIPLES OF WRITING STYLES FOR MASS MEDIA. STUDY INCLUDES WRITING FORMATS IN PRINT, BROADCAST AND INTERNET.

MCOM-2743 Photojournalism **3 Credits**
PHOTOJOURNALISM BRINGS THE WORLDS OF MEDIA WRITING AND MEDIA PRODUCTION TOGETHER. WITH AN EMPHASIS ON WRITING FOR PRINT, ONLINE, AND BROADCAST MEDIA, STUDENTS WILL ENHANCE THEIR WRITING AND PRODUCTION SKILLS THROUGH REPORTING ON CURRENT EVENTS. Required Previous: MCOM-2733

MCOM-2753 Introduction to Audio Production **3 Credits**
PRINCIPLES AND PRACTICES OF CONTEMPORARY AUDIO PRODUCTION.

MCOM-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-3013 Media Practicum **3 Credits**
STUDENTS HAVE AN OPPORTUNITY TO DEVELOP THEIR SKILLS WITH HANDS-ON AND SERVICE LEARNING EXPERIENCES. STUDENTS WILL PREPARE AND PRESENT THEIR OWN PROGRAMS/PERFORMANCES, REVIEW AND CRITIQUE MEDIA PRODUCTS, AND WORK IN DIFFERENT ASPECTS OF THE INDUSTRY THROUGH STUDENT MEDIA OR LOCAL COMMUNITY ORGANIZATIONS. STUDENTS ARE ENCOURAGED AND ENABLED TO USE THIS COURSE TO NETWORK AND WORK WITH EACH OTHER, EXPANDING THEIR PROFESSIONAL AND PERSONAL SPHERES, WHILE CREATING AND ORGANIZING COLLABORATIVE PRODUCT

MCOM-3023 Audio Engineering I **3 Credits**
STUDENTS WILL EXPLORE THE BASICS OF STUDIO RECORDING, THE PRINCIPLES OF LIVE SOUND REINFORCEMENT, AND DIGITAL AUDIO WORKSTATION RECORDING. THEY WILL IDENTIFY SUCCESSFUL TECHNIQUES AND METHODOLOGIES IN WORKING WITH ADOBE AUDITION AND PRO TOOLS AND EMPLOY THEM IN AUDIO PROCESSING TO CREATE SOUND DESIGNS. Required Previous: MCOM-2753

MCOM-3043 Ar/Vr Production **3 Credits**
THIS COURSE IS DESIGNED TO INTRODUCE FUNDAMENTAL PRACTICES OF IMMERSIVE MEDIA PRODUCTION. STUDENTS ALREADY CAPABLE OF LINEAR VIDEO PRODUCTION OR MOTION GRAPHIC DESIGN WILL EXPAND THEIR SKILLS TO 360 DEGREE AUDIO AND VIDEO CAPTURING, AUTHORING AUGMENTED REALITY EXPERIENCES, AND INTERACTIVE VIRTUAL REALITY PROJECTS.

MCOM-3053 Social Media Management **3 Credits**
THE STUDENT WILL INVESTIGATE THE INDIVIDUAL PIECES OF A SOCIAL MEDIA MARKETING PLAN INCLUDING; SOCIAL MEDIA ANALYSIS, TARGET AUDIENCE, OBJECTIVES, STRATEGIES, AND TACTICS, SOCIAL MEDIA SCHEDULING AND CALENDARS, BUDGETING, EVALUATION, SEARCH ENGINE OPTIMIZATION, AND MEDIA AND WEB ANALYTICS.

MCOM-3063 Emerging Media **3 Credits**
STUDENTS ENGAGE WITH NEW AND EMERGING MEDIA PRACTICES, CONCEPTS, TRENDS, AND TECHNOLOGY. STUDENTS WILL PRODUCE PROJECTS UTILIZING NEW AND EMERGING TECHNOLOGY, ALLOWING THEM TO CREATIVELY EXPRESS IDEAS AND SOLVE PROBLEMS. THE COURSE INTRODUCES STUDENTS TO CURRENT CHANGES OCCURRING IN THE FIELD, AND ALSO PREPARES THEM TO SUCCEED IN A CONSTANTLY SHIFTING MEDIA LANDSCAPE.

MCOM-3333 Intermediate Photography **3 Credits**
INTRODUCTION TO BASICS OF STUDIO LIGHTING AND INTERMEDIATE CAMERA AND DIGITAL DARKROOM TECHNIQUES. DEVELOP VISUAL STORYTELLING SKILLS AND A THEMATIC LANGUAGE OF THE MEDIUM. STUDENT WILL BE INTRODUCED TO THE PROFESSIONAL MARKET AND TO RESOURCES AVAILABLE FOR PRINT AND THE INTERNET. Required Previous: MCOM-1713

MCOM-3343 Imaging for Media **3 Credits**
INTRODUCTION TO BASIC DESIGN AND LAYOUT CONCEPTS. STUDENTS WILL LEARN HOW TO DESIGN AND LAY OUT PUBLICATIONS, IMAGES, TEXT, AS WELL AS THE BASICS OF WEB DESIGN.

MCOM-3623 Web Design **3 Credits**
INTRODUCTION TO THE BASICS OF WEB DESIGN, INCLUDING PAGE DESIGN, WORKFLOW, AND INTEGRATION OF TEXT, GRAPHICS, AUDIO, AND VIDEO IN WEB PAGE DESIGN.

MCOM-3783 Writing for Media II **3 Credits**
A STUDY OF THE TYPES OF SPECIALIZED STYLES FOR ARTICLES IN NEWSPAPERS, MAGAZINES, AND CORPORATE IN-HOUSE NEWS, ADVERTISING, AND PUBLIC RELATIONS.

MCOM-3823 Advertising **3 Credits**
THIS COURSE COVERS AN INTRODUCTION OF ADVERTISING, TARGET AUDIENCE, THE PLANNING PROCESS, THE CREATIVE PROCESS, ELECTRONIC MEDIA: TELEVISION AND RADIO AND INTEGRATING MARKETING COMMUNICATION ELEMENTS.

MCOM-3843 Advertising Copy & Layout **3 Credits**
PRINCIPLES AND PRACTICES OF WRITING COPY AND LAYOUT DESIGN FOR ADVERTISEMENTS.

MCOM-3853 Media Ethics and Law **3 Credits**
A STUDY OF ETHICS AND LAW IN MASS COMMUNICATION.

MCOM-3863 Radio and Podcast Production **3 Credits**
TECHNIQUES IN NEWS GATHERING, FIELD REPORTING, INTERVIEWING AND STORY PRODUCTION. COURSE WILL FOCUS ON PRESENTATIONAL SKILLS, PRACTICAL PRODUCTION PROBLEMS AND RESPONSIBILITIES, AUDIENCE, ETHICS AND LAW, AND NEWS JUDGMENT FOR ELECTRONIC MEDIA.

MCOM-3873 Intermediate Video Production **3 Credits**
THIS COURSE IS DESIGNED TO EXPAND ON FUNDAMENTAL VIDEO PRODUCTION TECHNIQUES, EXPLORE LIVE VIDEO CAPTURING, AND INTERMEDIATE TO ADVANCED DIGITAL EDITING PROCESSES. STUDENTS PARTICIPATING IN MCOM 3873 WILL DEVELOP THEIR SKILLS WITH SINGLE AND MULTIPLE CAMERA CINEMATOGRAPHY AS WELL AS DIGITAL EDITING. Required Previous: MCOM-1813

MCOM-3893 Public Relations **3 Credits**
THIS COURSE COVERS THE HISTORY, ORIGIN AND BUSINESS OF PR ALONG WITH TACTICS, PUBLICS/DIVERSITY, ETHICS/LEGAL ISSUES, RESEARCH/EVALUATION, CRISIS COMMUNICATION AND OVERALL PROFESSIONAL STRATEGIC COMMUNICATION.

MCOM-4012 Career Preparation **2 Credits**
STUDENTS PURSUE RESEARCH INTO CAREER OPPORTUNITIES FOR ONE HOLDING A DEGREE IN MASS COMMUNICATION. INCLUDES GUEST LECTURERS AND ALUMNI WHO HAVE WORKED IN THE FIELD OR CREATED NEW OPPORTUNITIES USING SKILLS LEARNED.

MCOM-4023 Audio Engineering II **3 Credits**
STUDENTS WILL UTILIZE ADVANCED STUDIO RECORDING, CONCERT PRODUCTION AND LIVE SOUND REINFORCEMENT, AND ADVANCED SOUND DESIGN AS WELL AS AUDIO INSTALLATION. STUDENTS WILL EXPLORE 5.1 SURROUND SOUND MIXING. Required Previous: MCOM-3023

MCOM-4123 Short Film Production **3 Credits**
SHORT FILM PRODUCTION IS DESIGNED FOR STUDENTS TO PRODUCE A SHORT FILM WITH THE INTENT OF ENTERING THEIR WORK INTO STATE-LEVEL FILM FESTIVALS. STUDENTS WILL FORM A PRODUCTION TEAM AND WRITE, DIRECT, SHOOT, EDIT, PRODUCE AUDIO, CORRECT IMAGING AND PUBLISH A SHORT FILM IN THE GENRE OF THEIR CHOOSING.

MCOM-4223 Conceptual Art Photography **3 Credits**
STUDENTS WILL CREATE CONCEPT BASED PORTFOLIOS OF ARTISTIC PHOTOGRAPHY. Required Previous: MCOM-1713

MCOM-4233 Documentary Production **3 Credits**
DEVELOP A DOCUMENTARY FORM FOR THE PURPOSE OF PUBLICATION OR PORTFOLIO.

MCOM-4313 Advanced Video Production **3 Credits**
THIS COURSE IS DESIGNED TO EXPAND ON INTERMEDIATE VIDEO PRODUCTION TECHNIQUES AND EXPLORE ADVANCED DIGITAL EDITING PROCESSES. STUDENTS PARTICIPATING IN MCOM-4313 WILL DEVELOP THEIR SKILLS WITH SINGLE AND MULTIPLE CAMERA CINEMATOGRAPHY AS WELL AS DIGITAL EDITING. Required Previous: Take MCOM-3873

MCOM-4323 Advertising & Public Relations Campaigns- **3 Credits**
PRINCIPLES AND PRACTICES TO INTEGRATE ADVERTISING AND PUBLIC RELATIONS SKILLS TO PRODUCE CAMPAIGNS. EMPHASIS ON CREATING PRINT, BROADCAST, INTERNET AND/OR OTHER MEDIA ELEMENTS FOLLOWED BY FULL CAMPAIGN PREPARATION. MAY BE REPEATED AS TOPIC CHANGES.

MCOM-4611 Senior Portfolio in Mass Communication **1 Credit**
STUDENTS WILL COMPLETE INDIVIDUAL PORTFOLIOS APPROPRIATE TO THEIR CONCENTRATIONS FOR CAREER PREPARATION AND ASSESSMENT PURPOSES.

MCOM-4711 Professional Internship **1 Credit**
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-4712 Professional Internship **2 Credits**
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-4713 Professional Internship **3 Credits**
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-4733 Contemporary Issues in Mass Communication **3 Credits**
A STUDY OF CONTEMPORARY ISSUES IN MASS COMMUNICATIONS.

MCOM-4743 Editing and Design **3 Credits**
PRINCIPLES OF STORY, ADVERTISING OR PUBLIC RELATIONS MATERIAL SELECTION, EDITING AND PLACEMENT, AND OF PAGE, SECTION, EDITION OR BROCHURE DESIGN.

MCOM-4813 Public Relations Writing **3 Credits**
PRINCIPLES AND PRACTICES OF PUBLIC RELATIONS WRITING SUCH AS PRESS RELEASES, MEDIA KITS AND FEATURE STORIES.

MCOM-4863 Television Studio Production **3 Credits**
STUDY OF PRINCIPLES AND PRACTICES OF VIDEO PRODUCTION USING STUDIO EQUIPMENT WITH AN EMPHASIS ON THE DEVELOPMENT OF TECHNICAL AND AESTHETIC SKILLS. Required Previous: MCOM-1813

MCOM-4961 Senior Project in Mass Communication **1 Credit**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4962 Senior Project in Mass Communication **2 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4963 Senior Project in Mass Communication **3 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4964 Senior Project in Mass Communication **4 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4991 Individual Studies- 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-H1713 Hnrs-Introduction to Photography 3 Credits
INTRODUCTION TO BASICS OF LIGHTING, CAMERA OPERATION, AND USE OF THE DIGITAL DARKROOM. EMPHASIS ON COMPOSITION, SUBJECT MATTER, AND DEVELOPMENT OF A VISION THROUGH THE LENS OF A CAMERA. STUDENTS CREATE A FINAL THEMATIC PROJECT AS AN INTRODUCTION TO PHOTOJOURNALISM AND CONVERGED MEDIA.

MCOM-I4711 Internship-Mass Media 1 Credit
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-I4712 Internship-Mass Media 2 Credits
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-I4713 Internship-Mass Media 3 Credits
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MEDICAL TECHNOLOGY (MEDTE)

MEDTE-1611 Orientation to Medical Techniques 1 Credit
AN INTRODUCTION TO THE SKILLS AND TECHNIQUES ESSENTIAL FOR THE PROFESSIONAL MEDICAL TECHNOLOGIST.

MEDTE-4117 Clinical Microbiology 7 Credits
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN PATHOGENIC BACTERIA, FUNGI, PARASITES, VIRUSES, AND ANTIMICROBIAL SUSCEPTIBILITY TESTING WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4125 Clinical Chemistry I **5 Credits**
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN BIOCHEMISTRY METHODOLOGY AND CLINICAL MICROSCOPY WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4236 Clinical Hematology **6 Credits**
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN ROUTINE AND SPECIAL HEMATOLOGY STUDIES CORRELATING HEMATOLOGICAL FINDINGS WITH MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4246 Clinical Immunology/Immunohematology **6 Credits**
LECTURES ON IMMUNOLOGIC (ANTIGEN-ANTIBODY) RESPONSES, SEROLOGICAL METHODOLOGY AND THEORY OF IMMUNOHEMATOLOGY AS APPLIED TO BLOOD GROUPS, TYPES, COMPATIBILITY TESTING, AND BLOOD COMPONENTS. SUPERVISED LABORATORY INSTRUCTION IN IMMUNOLOGY AND IMMUNOHEMATOLOGY METHODOLOGY WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4325 Clinical Chemistry II **5 Credits**
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN BIOCHEMISTRY METHODOLOGY AND CLINICAL MICROSCOPY WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, LAB MATHEMATICS, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4351 Topics in Medical Technology **1 Credit**
LECTURES ON PRINCIPLES AND PRACTICES OF THE MEDICAL LABORATORY INCLUDING MANAGEMENT EDUCATION (HEALTH CARE DELIVERY SYSTEM, ETHICS, PROFESSIONALISM, COMMUNICATION SKILLS, HUMAN RESOURCES AND FINANCIAL MANAGEMENT), REGULATIONS, AND RESEARCH DESIGN/SPECIAL PROJECTS.

MANAGEMENT (MGMT)

MGMT-3013 Principles of Management **3 Credits**
A STUDY OF THE MODERN ORGANIZATION, AND THE FUNDAMENTAL PROCESSES WHICH OPERATE TO MOVE THE ORGANIZATION AND ITS MEMBERS TOWARD OBJECTIVE ACCOMPLISHMENT. EMPHASIS IS GIVEN TO THE BASIC ADMINISTRATIVE ASPECTS, INCLUDING ESTABLISHING OF POLICY AND OBJECTIVES, COMMUNICATION, LEADER-SHIP, MOTIVATION, ORGANIZATIONAL STRUCTURE, DECISION MAKING, AND CONTROL.

MGMT-3023 Project Management I **3 Credits**
THE COURSE INTRODUCES STUDENTS TO THE TOOLS COMMONLY USED IN PROJECT MANAGEMENT AND THE PROJECT MANAGEMENT STANDARDS DEVELOPED BY THE PROJECT MANAGEMENT INSTITUTE (PMI). THE COURSE ALSO COVERS THE FOLLOWING PROJECT MANAGEMENT AREAS OF KNOWLEDGE: (1) THE PROJECT LIFECYCLE AND THE ORGANIZATION; (2) PROJECT MANAGEMENT PROCESSES FOR A PROJECT; (3) PROJECT INTEGRATION MANAGEMENT; (4) PROJECT SCOPE MANAGEMENT; (5) PROJECT TIME MANAGEMENT; AND, (6) PROJECT MANAGEMENT SYSTEMS USING MICROSOFT PROJECT. T

MGMT-3043 Human Resources Management **3 Credits**
AN INTRODUCTION TO THE DEVELOPMENT, APPLICATION AND EVALUATION OF POLICIES, PROCEDURES, AND PROGRAMS FOR THE RECRUITMENT, SELECTION, DEVELOPMENT, AND UTILIZATION OF HUMAN RESOURCES IN AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-3063 Production/Operations Management **3 Credits**
AN INTRODUCTION TO THE BASIC BUSINESS FUNCTION OF PRODUCTION AND OPERATIONS MANAGEMENT. THIS COURSE INCLUDES COMPUTER APPLICATIONS IN PROJECT MANAGEMENT, FORECASTING, AND RESOURCE ALLOCATION. THE STUDENT WILL STUDY A SYNTHESIS OF CONCEPTS AND TECHNIQUES THAT RELATE DIRECTLY TO PRODUCTIVE SYSTEMS AND ENHANCE THEIR MANAGEMENT. THIS MANAGEMENT ACTIVITY IS AIMED AT THE DIRECT RESOURCES REQUIRED TO PRODUCE THE GOODS AND/OR SERVICES PROVIDED BY AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-3103 Organizational Behavior **3 Credits**
A STUDY OF THE HUMAN ASPECTS OF THE ORGANIZATION AND ITS RELATION WITH OTHER ORGANIZATION COMPONENTS. TOPICS INCLUDING LEADERSHIP MOTIVATION, JOB SATISFACTION, GROUP DYNAMICS, AND ORGANIZATION CLIMATE WILL BE EXAMINED. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-3213 Labor Relations Management **3 Credits**
EMPHASIZES LABOR-MANAGEMENT COOPERATION. INCLUDES THE HISTORY, APPLICATION, AND INTERPRETATION OF LABOR LAWS; CERTIFICATION, CONTRACT NEGOTIATION, AND ADMINISTRATION; AND BEHAVIORAL ISSUES IN LABOR-MANAGEMENT RELATIONS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MGMT-3013 or departmental approval.

MGMT-3433 Introduction to Leadership **3 Credits**
THIS COURSE WILL INTRODUCE STUDENTS TO VARIOUS LEADERSHIP PRINCIPLES AND ENCOURAGE THEM TO DEVELOP SELF-AWARENESS OF THEIR OWN LEADERSHIP POTENTIAL AND THE SKILLS NECESSARY TO BECOME AN EFFECTIVE LEADER. TOPICS INCLUDE LEADERSHIP STYLES, DEVELOPING AND COMMUNICATION A VISION, MANAGING CONFLICT, EMBRACING DIVERSITY AND INCLUSION, AND ESTABLISHING A CONSTRUCTIVE CLIMATE-WITH A SPECIFIC EMPHASIS ON DEVELOPING THE UNIQUE STRENGTHS OF SELF AND OTHERS. Required Previous: MGMT-3013 with a minimum grade of C or departmental approval.

MGMT-4003 Recruitment, Selection, and Retention **3 Credits**
THIS COURSE FOCUSES ON THE APPLICATION OF HUMAN RESOURCE MANAGEMENT PRACTICES SPECIFIC TO THE ACQUISITION AND RETENTION OF TALENT. TOPICS INCLUDE WORKFORCE PLANNING, RECRUITMENT PROCESSES, SELECTION METHODS, ONBOARDING TECHNIQUES, AND EMPLOYEE RETENTION STRATEGIES. Required Previous: MGMT-3043

MGMT-4013 Project Management II **3 Credits**
THE COURSE COVERS THE FOLLOWING PROJECT MANAGEMENT AREAS OF KNOWLEDGE: 1) PROJECT QUALITY MANAGEMENT, 2) PROJECT RISK MANAGEMENT, 3) PROJECT HUMAN RESOURCES MANAGEMENT, 4) PROJECT COMMUNICATION MANAGEMENT, 5) PROJECT STAKEHOLDER MANAGEMENT, 6) PROJECT COST MANAGEMENT, 7) PROJECT PROCUREMENT MANAGEMENT, AND, 8) PROJECT KNOWLEDGE MANAGEMENT. THIS COURSE IS NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MGMT-3023 or departmental approval.

MGMT-4023 Project Management III **3 Credits**
THE COURSE COVERS THE ADVANCED PROJECT MANAGEMENT SYSTEMS USED IN INDUSTRY AND INTEGRATES PRIOR PROJECT MANAGEMENT KNOWLEDGE THROUGH THE USE OF A COMPREHENSIVE CASE STUDY AND PROJECT PLANNING CURRICULUM. STUDENTS WILL PRESENT THEIR COMPREHENSIVE CASE STUDY PROJECT PLANS AND PROVIDE FEEDBACK ON LESSONS LEARNED. THIS COURSE IS NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-4013 or departmental approval.

MGMT-4313 Compensation and Benefits **3 Credits**
THIS COURSE EXAMINES HOW TO DEVELOP, SELECT, IMPLEMENT, ADMINISTER, AND EVALUATE COMPENSATION AND BENEFITS PROGRAMS FOR ALL EMPLOYEE GROUPS IN ORDER TO SUPPORT THE ORGANIZATION'S GOALS, OBJECTIVES, AND VALUES. THIS COURSE COVERS THE COMPENSATION AND BENEFITS TOPICS FOUND ON THE SHRM ASSURANCE OF LEARNING ASSESSMENT EXAM. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-3013 or departmental approval.

MGMT-4323 Human Resources Training and Development **3 Credits**
THIS COURSE FOCUSES ON THE DESIGN AND IMPLEMENTATION OF LEARNING AND DEVELOPMENT PROGRAMS THAT CONTRIBUTE TO INDIVIDUAL, GROUP, AND ORGANIZATIONAL EFFECTIVENESS. TOPICS INCLUDE NEEDS ASSESSMENT, LEARNING AND TRANSFER OF TRAINING, PROGRAM DESIGN, TRAINING EVALUATION, AND CAREER DEVELOPMENT. THIS COURSE COVERS THE HUMAN RESOURCES TRAINING AND DEVELOPMENT TOPICS FOUND ON THE SHRM ASSURANCE OF LEARNING ASSESSMENT EXAM. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY.

MGMT-4623 Leadership **3 Credits**
THIS COURSE BEGINS WITH A PERSONAL EXPLORATION OF INDIVIDUAL LEADERSHIP ABILITIES BUILDING AN AWARENESS OF PREVIOUS HELD BELIEFS THAT SUPPORT OR HINDER THE DEVELOPMENT OF THE STUDENTS' LEADERSHIP POTENTIAL. THE COURSE INCLUDES SIGNIFICANT LEADERSHIP SKILLS INCLUDING COMMUNICATION, NEGOTIATION, CONFLICT RESOLUTION, MOTIVATION, RELATIONSHIP CREATION, COLLABORATION TECHNIQUES, AND CULTURE DEVELOPMENT. THE COURSE OUTCOME INCLUDES SYNTHESIZING THE ABOVE TOPICS INTO A VALUES BASED AUTHENTIC LEADERSHIP Required Previous: MGMT-3013 or departmental approval.

MGMT-4813 Pm - Project Management Professional (pmp) Certification Prep Course **3 Credits**
THE COURSE REVIEWS THE PROJECT MANAGEMENT STANDARDS DEVELOPED BY THE PROJECT MANAGEMENT INSTITUTE (PMI) AND KNOWLEDGE AREAS OUTLINED IN A GUIDE TO THE PROJECT MANAGEMENT BODY OF KNOWLEDGE (PMBOK GUIDE).

MGMT-5043 Special Topics in Management (subject named in title listing) **3 Credits**
IN DEPTH STUDY OF A SELECTED MANAGEMENT TOPIC. COURSE MAY BE REPEATED FOR CREDIT WHEN TOPICS VARY.

MGMT-5103 Intoduction to Graduate Business Studies **3 Credits**
THIS COURSE IS AN INTRODUCTION TO GRADUATE BUSINESS STUDIES. THIS CLASS PROVIDES NON-BUSINESS STUDENTS WITH A FUNDAMENTAL UNDERSTANDING OF BUSINESS CONCEPTS RELATED TO ACCOUNTING, ECONOMICS, FINANCE, AND MARKETING NEEDED TO BE SUCCESSFUL IN A GRADUATE BUSINESS PROGRAM.

MGMT-5203 Foundations of Management **3 Credits**
FUNDAMENTAL CONCEPTS IN BUSINESS MANAGEMENT INCLUDING PLANNING, ORGANIZING, LEADING, AND CONTROLLING ARE EXPLORED THROUGH BOTH THEORETICAL AND APPLIED LENSES. STUDENTS WILL LEARN HOW TO APPLY MANAGEMENT THEORY AND BEHAVIORAL RESEARCH TO INFORM OPERATIONAL DECISIONS. COURSE TOPICS INCLUDE ORGANIZATIONAL STRATEGY AND STRUCTURE, MOTIVATION, LEADERSHIP, AND ORGANIZATIONAL CONTROL MECHANISMS.

MGMT-5503 Leadership and Organizational Behavior **3 Credits**
THIS COURSE FOCUSES ON HOW MANAGERS AND LEADERS DEVELOP HUMAN CAPITAL IN ORGANIZATIONS. THIS COURSE COVERS THE METHODS THAT MANAGERS USE TO LEAD HIGH-PERFORMANCE EMPLOYEES AND TEAMS WHILE ALSO PROMOTING POSITIVE JOB ATTITUDES, JOB SATISFACTION, AND ORGANIZATIONAL COMMITMENT IN COMPLEX BUSINESS ENVIRONMENTS. COURSE TOPICS INCLUDE PERSONALITY AND VALUES, PERCEPTION AND DECISION MAKING, MOTIVATION CONCEPTS AND APPLICATIONS, GROUP AND TEAM BEHAVIOR, LEADERSHIP, AND ORGANIZATIONAL CULTURE. Required Previous: MGMT-5203 or departmental approval.

MGMT-5603 Managing in the Global Economy **3 Credits**
THIS CLASS PREPARES STUDENTS TO UNDERSTAND AND MANAGE THE CHALLENGES ORGANIZATIONS FACE AS PARTICIPANTS IN TODAY'S GLOBAL ECONOMY. TOPICS INCLUDE AN OVERVIEW OF THE PROS AND CONS OF GLOBALIZATION; THE UNIQUE PROBLEMS FACED BY GLOBAL FIRST; THE GLOBAL ECONOMIC, SOCIAL, POLITICAL, CULTURAL, NATURAL AND LEGAL ENVIRONMENTS; GLOBAL INSTITUTIONS AND THEIR ROLES; GLOBAL BUSINESS STRATEGIES INCLUDING IMPORTING AND EXPORTING; JOINT VENTURE, FRANCHISING, AND SUBSIDIARIES; GLOBAL MANAGEMENT, MARKETING AND

MGMT-5703 Strategic Management **3 Credits**
THIS COURSE USES THE STRATEGIC MANAGEMENT PROCESS TO TEACH STUDENTS HOW TO ANALYZE AN ORGANIZATION'S VISION, MISSION, CORE VALUES, AND STRATEGIC GOALS AND OBJECTIVES; CONDUCT AN INTERNAL AND EXTERNAL ANALYSIS OF THE ORGANIZATION, ITS INDUSTRY, AND ITS MACROENVIRONMENT; FORMULATE BUSINESS-LEVEL, CORPORATE-LEVEL, AND INTERNATIONAL STRATEGIES; AND IMPLEMENT THOSE STRATEGIES WITH THE OVERALL GOAL OF ACHIEVING A SUSTAINABLE COMPETITIVE ADVANTAGE. Required Previous: MGMT-5103 or departmental approval. MGMT-5703 is to be taken in the last semester prior to graduation.

MGMT-5953 Internship in Management **3 Credits**
SPECIFIED BY EMPLOYER WITH CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIR. PROVIDES EXPERIENTIAL LEARNING DURING WHICH THE STUDENT WORKS UNDER THE SUPERVISION OF A MANAGEMENT PRACTITIONER. THIS WORK EXPERIENCE MAY BE IN A SUPERVISORY, MANAGERIAL OR LEADERSHIP ROLE WITHIN BUSINESS. THE STUDENT IS IMMERSED IN A VARIETY OF INTENSIVE WORK ASSIGNMENTS WITH INCREASED LEVEL OF RESPONSIBILITY. LIMITED TO STUDENTS ADMITTED TO THE MASTER OF SCIENCE IN MANAGEMENT PROGRAM.

MGMT-5981 Seminar in Management (Subject Named title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5982 Seminar in Management (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5983 Seminar in Management (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5984 Seminar in Management (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5991 Individual Study in Management (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5992 Individual Study in Management (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5993 Individual Study in Management (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5994 Individual Study in Management (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-H3013 Honors-Principles of Management 3 Credits
A STUDY OF THE MODERN ORGANIZATION, AND THE FUNDAMENTAL PROCESSES WHICH OPERATE TO MOVE THE ORGANIZATION AND ITS MEMBERS TOWARD OBJECTIVE ACCOMPLISHMENT. EMPHASIS IS GIVEN TO THE BASIC ADMINISTRATIVE ASPECTS, INCLUDING ESTABLISHING OF POLICY AND OBJECTIVES, COMMUNICATION, LEADERSHIP, MOTIVATION, ORGANIZATIONAL STRUCTURE, DECISION MAKING, AND CONTROL.

MGMT-H3043 Honors-Human Resources Management 3 Credits
AN INTRODUCTION TO THE DEVELOPMENT, APPLICATION AND EVALUATION OFPOLICIES, PROCEDURES, AND PROGRAMS FOR THE RECRUITMENT, SELECTION,DEVELOPMENT, AND UTILIZATION OF HUMAN RESOURCES IN AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-H3063 Honors-Production/Operations Management 3 Credits
AN INTRODUCTION TO THE BASIC BUSINESS FUNCTION OF PRODUCTION AND OPERATIONS MANAGEMENT. THIS COURSE INCLUDES COMPUTER APPLICATIONS IN PROJECT MANAGEMENT, FORECASTING, AND RESOURCE ALLOCATION. THE STUDENT WILL STUDY A SYNTHESIS OF CONCEPTS AND TECHNIQUES THAT RELATE DIRECTLY TO PRODUCTIVE SYSTEMS AND ENHANCE THEIR MANAGEMENT. THIS MANAGEMENT ACTIVITY IS AIMED AT THE DIRECT RESOURCES REQUIRED TO PRODUCE THE GOODS AND/OR SERVICES PROVIDED BY AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-H3103 Honors-Organizational Behavior 3 Credits
A STUDY OF THE HUMAN ASPECTS OF THE ORGANIZATION AND ITS RELATION WITH OTHER ORGANIZATION COMPONENTS. TOPICS INCLUDING LEADERSHIP MOTIVATION, JOB SATISFACTION, GROUP DYNAMICS, AND ORGANIZATION CLIMATE WILL BE EXAMINED. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-3013 with a grade of C or higher or departmental approvl.

MGMT-H4323 Honors-Human Resources Training and Development 3 Credits
THIS COURSE FOCUSES ON THE DESIGN AND IMPLEMENTATION OF LEARNING AND DEVELOPMENT PROGRAMS THAT CONTRIBUTE TO INDIVIDUAL, GROUP, AND ORGANIZATIONAL EFFECTIVENESS. TOPICS INCLUDE NEEDS ASSESSMENT, LEARNING AND TRANSFER OF TRAINING, PROGRAM DESIGN, TRAINING EVALUATION, AND CAREER DEVELOPMENT. THIS COURSE COVERS THE HUMAN RESOURCES TRAINING AND DEVELOPMENT TOPICS FOUND ON THE SHRM ASSURANCE OF LEARNING ASSESSMENT EXAM. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY.

MGMT-H4623 Honors-Leadership 3 Credits
THIS COURSE BEGINS WITH A PERSONAL EXPLORATION OF INDIVIDUAL LEADERSHIP ABILITIES BUILDING AN AWARENESS OF PREVIOUS HELD BELIEFS THAT SUPPORT OR HINDER THE DEVELOPMENT OF THE STUDENTS' LEADERSHIP POTENTIAL. THE COURSE INCLUDES SIGNIFICANT LEADERSHIP SKILLS INCLUDING COMMUNICATION, NEGOTIATION, CONFLICT RESOLUTION, MOTIVATION, RELATIONSHIP CREATION, COLLABORATION TECHNIQUES, AND CULTURE DEVELOPMENT. THE COURSE OUTCOME INCLUDES SYNTHESIZING THE ABOVE TOPICS INTO A VALUES BASED AUTHENTIC LEADERSHIP Required Previous: MGMT-3013 or departmental approval.

MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS-1903 Computer Business Applications 3 Credits
INTRODUCTION TO THE MICROCOMPUTER AND THE MOST WIDELY USED PERSONAL COMPUTER APPLICATIONS SOFTWARE. THE STUDENT WILL LEARN ESSENTIAL COMPUTER CONCEPTS AND THE RUDIMENTS OF OPERATING SYSTEMS, USING A LAN NETWORK, WRITING WITH A WORD PROCESSOR, DESIGNING AND BUILDING SPREADSHEETS AND EFFECTIVELY USING DATABASE MANAGEMENT SYSTEMS. THE HANDS-ON APPROACH IS USED EXTENSIVELY THROUGHOUT THE COURSE.

MIS-3433 Management Information Systems 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT ATTAIN INFORMATION SYSTEM LITERACY, A BASIC UNDERSTANDING OF THE VALUE AND USE OF INFORMATION SYSTEMS FOR BUSINESS ORGANIZATION OPERATIONS, MANAGEMENT DECISION MAKING, AND STRATEGIC ADVANTAGE. THE COURSE USES

ADVANCED MICROSOFT EXCEL TO APPLY MIS CONCEPTS. Required Previous: MIS-1903 taken within the last five (5) years with a grade of C or higher or departmental approval.

MIS-3453 Advanced Computer Business Applications 3 Credits
STUDY OF ADVANCED TECHNIQUES FOR ADDRESSING COMPLEX ACCOUNTING AND BUSINESS PROBLEMS USING MICROCOMPUTER SOFTWARE PACKAGES. SOFTWARE PACKAGES USED INCLUDE ADVANCED MICROSOFT EXCEL, VISUAL BASIC, AND QUICKBOOKS. ADDITIONAL DATABASE MANAGEMENT, PROJECT SCHEDULER, AND STATISTICAL PACKAGES MAY ALSO BE USED. Required Previous: MIS-3433 with a grade of C or higher or departmental approval.

MIS-H3433 Honors-Management Information Systems 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT ATTAIN INFORMATION SYSTEM LITERACY, A BASIC UNDERSTANDING OF THE VALUE AND USE OF INFORMATION SYSTEMS FOR BUSINESS ORGANIZATION OPERATIONS, MANAGEMENT DECISION MAKING, AND STRATEGIC ADVANTAGE. THE COURSE USES ADVANCED MICROSOFT EXCEL TO APPLY MIS CONCEPTS. Required Previous: MIS-1903 taken with the last five (5) years and a grade of C or higher or departmenatl approval.

MARKETING (MKTG)

MKTG-3113 Consumer Behavior 3 Credits
THIS COURSE EXPLORES THE PSYCHOLOGICAL, SOCIAL, AND CULTURAL FACTORS THAT INFLUENCE CONSUMER DECISION-MAKING. STUDENTS WILL EXAMINE HOW INDIVIDUALS AND GROUPS SELECT, PURCHASE, USE, AND DISPOSE OF PRODUCTS AND SERVICES. TOPICS INCLUDE PERCEPTION, MOTIVATION, LEARNING, ATTITUDE FORMATION, PERSONALITY, GROUP DYNAMICS, AND LIFESTYLE SEGMENTATION. EMPHASIS IS PLACED ON APPLYING CONSUMER BEHAVIOR THEORIES TO MARKETING STRATEGY, BRANDING, PRODUCT DEVELOPMENT, AND ADVERTISING. Required Previous: Take MKTG-3313

MKTG-3123 Event Marketing 3 Credits
THIS COURSE EXPLORES THE STRATEGIC ROLE OF MARKETING IN THE PLANNING, PROMOTION, AND EXECUTION OF SUCCESSFUL EVENTS. STUDENTS WILL LEARN HOW TO DEVELOP AND IMPLEMENT EVENT MARKETING CAMPAIGNS THAT DRIVE ATTENDANCE, ENGAGEMENT, AND BRAND AWARENESS. TOPICS INCLUDE TARGET AUDIENCE IDENTIFICATION, SPONSORSHIP DEVELOPMENT, MEDIA PLANNING, DIGITAL PROMOTION, EXPERIENTIAL MARKETING, BUDGETING, AND POST-EVENT EVALUATION. THE COURSE COVERS A VARIETY OF EVENT TYPES, INCLUDING CORPORATE EVENTS, TRADE SHOWS Required Previous: Take MKTG-3313

MKTG-3313 Principles of Marketing 3 Credits
A MANAGERIAL APPROACH TO THE STUDY OF MARKETING CONCEPTS. EMPHASIS GIVEN TO PLANNING, PRICING, PROMOTION, AND PHYSICAL DISTRIBUTION OF A PRODUCT OR SERVICE.

MKTG-3333 Digital Marketing 3 Credits
THROUGH RELEVANT AND APPLICABLE BUSINESS EXAMPLES, THIS COURSE PROVIDES LEARNERS THE ABILITY TO FORMULATE AND ENACT INTELLIGENT, DATA-DRIVEN MARKETING STRATEGIES. CORE CONTENT WILL FOCUS ON IDENTIFYING AND UNDERSTANDING DIGITAL MARKETING METRICS TO GAUGE SUCCESS OF BOTH SOCIAL MEDIA AND TRADITIONAL DIGITAL MARKETING EFFORTS. THROUGH AN EXAMINATION OF ACCESSIBLE DATA PROVIDED BY CURRENT TECHNOLOGIES, STUDENTS WILL FURTHER THEIR UNDERSTANDING OF THE ONLINE VALUE CHAIN AND HOW TO CAPITALIZE ON EMER Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-3353 Retailing and eBusiness Management 3 Credits
A PRACTICAL STUDY AND COMPARISON OF TRADITIONAL RETAILING AND RETAILING ON THE INTERNET, INCLUDING PRODUCTS AND SERVICES, BUYING/ PROCUREMENT, PROMOTION, MERCHANDISING/ DISTRIBUTION, PAYMENTS, CUSTOMER RELATIONSHIP MANAGEMENT, ETHICS AND SECURITY WITH AN EMPHASIS ON LOGISTICS AND HOW THE INTERNET HAS CHANGED RETAILING. SOME ATTENTION WILL ALSO BE PAID TO BUSINESS MARKETING. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 or departmental approval.

MKTG-3423 Integrated Marketing Communications 3 Credits
ANALYSIS OF ADVERTISING AND PROMOTIONAL POLICIES WITH EMPHASIS ON INTEGRATED MARKETING COMMUNICATIONS AND DEVELOPMENT OF ACTIONABLE PROMOTION PROGRAMS AND STRATEGIES. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-3813 Professional Selling 3 Credits
SKILLS TO UNDERSTANDING THE PROFESSIONAL PERSONAL SELLING PROCESS AND THE MANAGEMENT OF A SALES ORGANIZATION. STRONG EMPHASIS ON THE COMMUNICATIONS FUNCTION OF PERSONAL SELLING. LECTURE SESSIONS COMBINED WITH EXPERIENTIAL EXERCISES AND ROLE PLAYING. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY.

MKTG-4113 Sports Marketing 3 Credits
THIS COURSE PROVIDES AN IN-DEPTH EXAMINATION OF MARKETING PRINCIPLES AS THEY APPLY TO THE SPORTS INDUSTRY. STUDENTS WILL EXPLORE THE UNIQUE ASPECTS OF SPORTS MARKETING, INCLUDING FAN BEHAVIOR, SPONSORSHIPS, LICENSING, BRANDING, MEDIA RIGHTS, AND EVENT PROMOTION. EMPHASIS IS PLACED ON THE DEVELOPMENT AND IMPLEMENTATION OF MARKETING STRATEGIES FOR PROFESSIONAL, COLLEGIATE, AND AMATEUR SPORTS ORGANIZATIONS. Required Previous: Take MKTG-3313

MKTG-4123 Retail Management 3 Credits
THIS COURSE FOCUSES ON THE STRATEGIC AND OPERATIONAL ASPECTS OF MANAGING RETAIL BUSINESSES IN A COMPETITIVE AND EVOLVING MARKETPLACE. TOPICS INCLUDE RETAIL FORMATS AND STRATEGIES, STORE LAYOUT AND DESIGN, MERCHANDISE PLANNING, PRICING STRATEGIES, SUPPLY CHAIN MANAGEMENT, CUSTOMER SERVICE, AND THE INTEGRATION OF BRICK-AND-MORTAR AND ONLINE CHANNELS. STUDENTS WILL ANALYZE CURRENT TRENDS SUCH AS OMNICHANNEL RETAILING, DATA-DRIVEN DECISION-MAKING, AND THE IMPACT OF TECHNOLOGY ON CONSUMER BEHAVIOR. Required Previous: Take MKTG-3313

MKTG-4413 Marketing Research 3 Credits
A STUDY OF MODERN MARKETING RESEARCH TECHNIQUES AND THEIR APPLICATIONS BY MANAGEMENT TO PROBLEMS OF MARKETING STRATEGY, DEVELOPMENT, IMPLEMENTATION, AND CONTROL. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-4423 Marketing Management 3 Credits
A STUDY OF MARKETING FROM THE VIEW OF THE MARKETING EXECUTIVE AND THE FIRM. MAJOR EMPHASIS IS ON EFFECTIVE MARKETING PLANNING, DECISION MAKING AND IMPLEMENTING MARKETING PLANS. CONTEMPORARY MARKETING ISSUES AND PROBLEMS ARE ADDRESSED WITH FOCUS ON DEVELOPMENT OF SOLUTIONS TO MARKETING PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-4623 Marketing Analytics and Strategy 3 Credits
CAPSTONE COURSE WITH FOCUS ON QUANTITATIVE DECISION TOOLS TO ANALYZE, PLAN AND IMPLEMENT MARKETING STRATEGIES, PROGRAMS AND TACTICS. TOPICS INCLUDE CUSTOMER ACQUISITION AND RETENTION, MARKET SHARE ANALYSIS, SEGMENTATION, CUSTOMER LOYALTY, RETURN ON MARKETING INVESTMENT, PRODUCT PERFORMANCE, CUSTOMER PROFITABILITY, PRICING STRATEGY, SALES FORCE AND CHANNEL MANAGEMENT, AND MARKETING PROMOTION, ADVERTISING, AND WEB METRICS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-5103 Advanced Marketing for Managers 3 Credits
A STUDY OF MARKETING THEORY AS IT RELATES TO UNDERSTANDING AND MANAGING THE MARKETING FUNCTION AND MARKETING'S ROLE IN ORGANIZATIONAL EFFORTS TO PRODUCE AND DELIVER VALUE. TOPICS INCLUDE THE MECHANICS OF MARKETING MANAGEMENT; LOGISTICS; MARKETING PLANNING AND STRATEGIES; UNDERSTANDING MARKETS; SEGMENTING MARKETS; TARGETING MARKETS; AND DEVELOPING, COMMUNICATING AND DELIVERING VALUE AND BUILDING RELATIONSHIPS THROUGH APPROPRIATE MARKETING MIXES.

MKTG-5173 Marketing Analysis 3 Credits
TRANSLATES CONCEPTUAL UNDER-STANDING INTO SPECIFIC OPERATIONAL PLANS. TOPICS INCLUDE MARKET ANALYTICS AND METRICS, SEGMENTATION TARGETING AND POSITIONING, PRICING STRATEGIES, PRODUCT DEVELOPMENT AND SELECTION, SALES FORCE UTILIZATION, ADVERTISING AND PROMOTION PLANNING, AND THE DEVELOPMENT OF THE MARKETING PLAN.

MKTG-H3353 Honors-Retailing and eBusiness Management 3 Credits
A PRACTICAL STUDY AND COMPARISON OF TRADITIONAL RETAILING AND RETAILING ON THE INTERNET, INCLUDING PRODUCTS AND SERVICES, BUYING/ PROCUREMENT, PROMOTION, MERCHANDISING/ DISTRIBUTION, PAYMENTS, CUSTOMER RELATIONSHIP MANAGEMENT, ETHICS AND SECURITY WITH AN EMPHASIS ON LOGISTICS AND HOW THE INTERNET HAS CHANGED RETAILING. SOME ATTENTION WILL ALSO BE PAID TO BUSINESS MARKETING. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 or departmental approval.

MKTG-H3423 Honors-Integrated Marketing Communications 3 Credits
ANALYSIS OF ADVERTISING AND PROMOTIONAL POLICIES WITH EMPHASIS ON INTEGRATED MARKETING COMMUNICATIONS AND DEVELOPMENT OF ACTIONABLE PROMOTION PROGRAMS AND STRATEGIES. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-H4413 Honors-Marketing Research 3 Credits
STUDY OF MODERN MARKETING RESEARCH TECHNIQUES AND THEIR APPLICATIONS BY MANAGEMENT TO PROBLEMS OF MARKETING STRATEGY, DEVELOPMENT, IMPLEMENTATION, AND CONTROL. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-H4423 Honors-Marketing Management 3 Credits
A STUDY OF MARKETING FROM THE VIEW OF THE MARKETING EXECUTIVE AND THE FIRM. MAJOR EMPHASIS IS ON EFFECTIVE MARKETING PLANNING, DECISION MAKING AND IMPLEMENTING MARKETING PLANS. CONTEMPORARY MARKETING ISSUES AND PROBLEMS ARE ADDRESSED WITH FOCUS ON DEVELOPMENT OF SOLUTIONS TO MARKETING PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-H4623 Honors-Marketing Analytics and Strategy 3 Credits
CAPSTONE COURSE WITH FOCUS ON QUANTITATIVE DECISION TOOLS TO ANALYZE, PLAN AND IMPLEMENT MARKETING STRATEGIES, PROGRAMS AND TACTICS. TOPICS INCLUDE CUSTOMER ACQUISITION AND RETENTION, MARKET SHARE ANALYSIS, SEGMENTATION, CUSTOMER LOYALTY, RETURN ON MARKETING INVESTMENT, PRODUCT PERFORMANCE, CUSTOMER PROFITABILITY, PRICING STRATEGY, SALES FORCE AND CHANNEL MANAGEMENT, AND MARKETING PROMOTION, ADVERTISING, AND WEB METRICS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MILITARY SCIENCE (MS)

MS-1000 Military Science Leadership Lab 0 Credits
A NON-CREDIT COURSE REQUIRED EACH SEMESTER FOR G.O.L.D. PROGRAM, SOLDIERS AND MILITARY SCIENCE MINORS. THIS COURSE PROVIDES LEADERSHIP AND MANAGEMENT OPPORTUNITIES IN FORMAL AND INFORMAL MILITARY SETTINGS.

MS-1223 Introduction to the Military Profession 3 Credits
MS-1223 INTRODUCES CANDIDATES TO THE CHALLENGES AND COMPETENCIES THAT ARE CRITICAL FOR EFFECTIVE LEADERSHIP. CANDIDATES LEARN HOW THE DEVELOPMENT OF LIFE SKILLS SUCH AS CREATIVE THINKING, CRITICAL THINKING, AND EFFECTIVE COMMUNICATION FORM A FOUNDATION FOR SUCCESS. WRITING AND BRIEFING IN THE ARMY STYLE WILL BE INTRODUCED AND REINFORCED THROUGH A SERIES OF IN-CLASS BRIEFING AND WRITING ASSIGNMENTS. CANDIDATES BEGIN LEARNING THE BASICS OF TEAM DYNAMICS AND SQUAD LEVEL TACTICS. THEY ARE REQUIRED T

MS-1313 Introduction to Military Leadership and and Personal Development 3 Credits
INTRODUCES THE STUDENT TO THE PERSONAL CHALLENGES AND COMPETENCIES THAT ARE CRITICAL FOR EFFECTIVE LEADERSHIP. STUDENTS WILL LEARN HOW THE PERSONAL DEVELOPMENT OF LIFE SKILLS SUCH AS GOAL SETTING, PROBLEM-SOLVING AND TIME MANAGEMENT RELATE TO LEADERSHIP, OFFICERSHIP AND THE ARMY PROFESSION. STUDENTS WILL FOCUS ON AND EXPLORE DIMENSIONS OF THE LEADERSHIP ATTRIBUTES AND CORE COMPETENCIES IN PRACTICAL HANDS-ON SCENERIOS AND EXERCISES. OPEN TO ALL STUDENTS.

MS-2113 Leadership and Decision Making 3 Credits
MS-2113 FOCUSES ON THE BASICS OF SMALL UNIT LEADERSHIP AND THE WARFIGHTING FUNCTIONS. THE COURSE INTRODUCES THE CANDIDATES TO THE TROOP LEADING PROCEDURES AND HOW TO APPLY THEM TO THE 5-PARAGRAPH OPERATIONS ORDER. THE ABILITY TO LEAD AND FOLLOW IS ALSO COVERED

THROUGH TEAM BUILDING AND COMMUNICATION EXERCISES AT SQUAD LEVEL. WRITING AND BRIEFING IN THE ARMY STYLE ARE STRESSED THROUGH A SERIES OF WRITTEN ASSIGNMENTS AND IN-CLASS BRIEFINGS. CANDIDATES WILL READ TWO BOOKS DURING THE SEMESTER THAT D

MS-2123 Foundations of Leadership 3 Credits
MS-2123 EXPLORES THE FOUNDATIONS OF LEADERSHIP BY STUDYING MILITARY HISTORY, AND THE PROMINENT LEADERS AND BATTLES THAT SHAPED OUR COUNTRY. WRITING AND BRIEFING IN THE ARMY STYLE ARE STRESSED THROUGH A SERIES OF WRITTEN ASSIGNMENTS AND IN-CLASS BRIEFINGS, AND CANDIDATES WILL READ TWO BOOKS DIRECTLY RELATED TO THEIR PERSONAL GROWTH AND DEVELOPMENT. CANDIDATES WILL CONTINUE TO BUILD ON THEIR LAND NAVIGATION SKILLS THROUGH A SERIES OF WRITTEN AND PRACTICAL LAND NAVIGATION EXERCISES. CANDIDATES ARE

MS-3123 Military Tactics and Operations 3 Credits
STUDIES THE FUNDAMENTALS, TECHNIQUES, AND PROCEDURES OF LIGHT INFANTRY SQUAD AND PLATOON TACTICS. DEVELOPS LEADERSHIP SKILLS AND PLANNING, ORGANIZING, AND EXECUTING SMALL UNIT OPERATIONS. OPEN TO QUALIFIED UNDERGRADUATE STUDENTS WHO HAVE BEEN ACCEPTED TO THE OKLAHOMA NATIONAL GUARD OCS PROGRAM.

MS-3313 Military Leadership and Management 3 Credits
STUDIES SMALL UNIT LEADERSHIP FUNDAMENTALS. EXAMINES THE JUNIOR OFFICER'S ROLE AND RESPONSIBILITIES IN THE LEADERSHIP PROCESS. ADDRESSES TOPICS SUCH AS PROFESSIONAL ETHICS, SOLDIER/TEAM DEVELOPMENT, AND ARMY WRITTEN AND ORAL COMMUNICATION SKILLS. OPEN TO QUALIFIED UNDERGRADUATE STUDENTS WHO HAVE BEEN ACCEPTED TO THE OKLAHOMA NATIONAL GUARD OCS PROGRAM.

MS-3412 Advanced Leadership Camp 2 Credits
AN INTENSIVE TWO-WEEK PERIOD OF PRE-COMMISSIONING TRAINING. ORIENTED TOWARDS SQUAD AND PLATOON LEVEL OPERATIONS IN A FIELD ENVIRONMENT. STUDENTS PLAN, ORGANIZE, AND CONDUCT SMALL UNIT OPERATIONS AND TRAINING IN A VARIETY OF LEADERSHIP POSITIONS. TRAINING TAKES PLACE AT A MILITARY INSTALLATION. OPEN TO QUALIFIED UNDERGRADUATE STUDENTS WHO HAVE BEEN ACCEPTED TO THE OKLAHOMA NATIONAL GUARD OCS PROGRAM.

MS-3422 Foundations of Tactical Leadership 2 Credits
AN EXAMINATION OF THE CHALLENGES OF LEADING TACTICAL TEAMS IN THE COMPLEX CONTEMPORARY OPERATING ENVIRONMENT. THIS COURSE HIGHLIGHTS DIMENSIONS OF TERRAIN ANALYSIS, PATROLLING, AND OPERATION ORDERS. FURTHER STUDY OF THE THEORETICAL BASIS OF THE ARMY LEADERSHIP REQUIREMENT MODEL EXPLORES THE DYNAMICS OF ADAPTIVE LEADERSHIP IN THE CONTEXT OF MILITARY OPERATIONS. STUDENTS DEVELOP GREATER SELF AWARENESS AS THEY ASSESS THEIR OWN LEADERSHIP STYLES AND PRACTICE COMMUNICATION AND TEAM-BUILDING SKILLS. C Required Previous: = M_S-2122 or GOLD Cadre approval.

MS-4113 Foundations of Tactical Leadership 3 Credits
MS-4113 FOCUSES ON APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS. IT IS AN ACADEMICALLY CHALLENGING COURSE WHERE CANDIDATES WILL STUDY, PRACTICE, AND APPLY THE FUNDAMENTALS OF DIRECT LEVEL LEADERSHIP AT THE PLATOON LEVEL. CANDIDATES WILL WORK DIRECTLY WITH GOLD CADRE IN THE PLANNING AND FACILITATION OF DAILY PHYSICAL TRAINING, WEEKLY LABS, AND A 3-DAY FIELD TRAINING EXERCISE. THROUGHOUT THE SEMESTER THERE WILL BE AN EMPHASIS ON TEACHING AND LEADING UNDERCLASS CANDIDATES ON THE EXECUTION OF LAND NA

MUSIC (MUS)

MUS-1000 Performing Arts Recital 0 Credits
A NON-CREDIT COURSE REQUIRED EACH SEMESTER FOR MUSIC MAJORS AND MINORS.THE COURSE PROVIDES LISTENING AND PERFORMANCE OPPORTUNITIES IN FORMAL AND INFORMAL CONCERT SETTINGS.

MUS-1101 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1102 Private Instructor N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1113 Music Theory & Ear Training I 3 Credits
BEGINNING AT A FUNDAMENTAL LEVEL, THE ELEMENTS OF MUSIC INCLUDING THE STUDY OF PITCH, RHYTHM, NOTE READING, CLEFS, KEY SIGNATURES, SCALES, INTERVALS, AND CHORDS, WITH REFERENCE TO BASIC MUSICAL STYLE, AND INCLUDES LABORATORY SIGHT SINGING AND EAR TRAINING PRACTICE. LECTURE HOURS 3/LAB HOURS 2.

MUS-1121 Vocal Diction I 1 Credit
PROPER STAGE DICTION FOR SINGERS OF ENGLISH AND ITALIAN THROUGH THE USE OF THE INTERNATIONAL PHONETIC ALPHABET. NOT INTENDED AS A GRAMMATICAL STUDY. FULFILLS ONE HOUR OF THE VOICE REQUIRMENT FOR VOCAL AND PIANO MAJORS ONLY. (ELECTIVE FOR ALL OTHERS.)

MUS-1133 Music Theory & Ear Training II 3 Credits
THE ELEMENTS OF MUSIC INCLUDING THE STUDY OF CLEFS, KEYS, SCALES, METERS, RHYTHM, DIATONIC CHORDS, THEORETICAL APPLICATIONS OF MUSIC THROUGH PART WRITING, SIGHT SINGING, EAR TRAINING, COMPUTER ASSIGNMENTS AND KEYBOARD HARMONY. TWO HOURS LECTURE AND TWO HOURS LAB WEEKLY.

MUS-1201 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1202 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1233 Music Theory & Ear Training III **3 Credits**
FURTHER STUDY OF DIATONIC CHORDS, HARMONIC PROGRESSION, PHRASE STRUCTURE, THEORETICAL APPLICATIONS OF MUSIC THROUGH PART WRITING, ANALYSIS, SIGHT SINGING, EAR TRAINING, AND KEYBOARD HARMONY. TWO HOURS LECTURE AND TWO HOURS LAB WEEKLY. Required Previous: MUS-1133

MUS-1301 Private Instruction N-M(instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1302 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1401 Private Instruction N-M(instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1402 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1501 Private Instruction N-M(instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1502 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1511 Class Instruction in Brass Instruments **1 Credit**
CLASS INSTRUCTION IN ONE BRASS INSTRUMENT AND SURVEY OF ENTIRE BRASS CHOIR. COURSE MAY BE REPEATED IF APPROVED, TO PROVIDE FOR INSTRUCTION IN DIFFERENT INSTRUMENTS.

MUS-1521 Class Instruction in Wind Instruments **1 Credit**
FOR MUSIC EDUCATION STUDENTS IN THE VOCAL AND PIANO CONCENTRATIONS. INSTRUCTION INCLUDES HANDS-ON EXPERIENCE, INCLUDING TEACHING AND PERFORMING ON WIND INSTRUMENTS AT BASIC, BEGINNING, AND INTERMEDIATE LEVELS OF BOTH PERFORMANCE PEDAGOGY AND LITERATURE.

MUS-1601 Private Instruction N-M(instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1602 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1611 Class Instruction in Woodwind Instruments **1 Credit**
CLASS INSTRUCTION IN ONE WOODWIND INSTRUMENT AND SURVEY OF ENTIRE WOODWIND CHOIR. COURSE MAY BE REPEATED ON SAME BASIS AS MUS 1511.

MUS-1701 Private Instruction N-M(instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1702 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1711 Class Instruction in String Instruments **1 Credit**
CLASS INSTRUCTION IN ONE STRING INSTRUMENT AND SURVEY OF ENTIRE STRING CHOIR. COURSE MAY BE REPEATED ON SAME BASIS AS MUS 1511.

MUS-1801 Private Instruction N-M(instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1802 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1811 Class Instruction in Percussion Instruments **1 Credit**
CLASS INSTRUCTION IN ONE PERCUSSION INSTRUMENT AND SURVEY OF ENTIRE PERCUSSION CHOIR. COURSE MAY BE REPEATED ON SAME BASIS AS MUS 1511.

MUS-1911 Class Piano I **1 Credit**
EXTRA FEE CHARGED. GROUP INSTRUCTION IN APPLIED PIANO, SPECIAL EMPHASIS ON THEORETICAL CONCEPTS RELEVANT TO KEYBOARD FACILITY DEVELOPMENT, SIGHT READING OF HISTORICAL KEYBOARD STYLES AND FUNDAMENTALS OF KEYBOARD HARMONY PEDAGOGY.

MUS-1921 Class Piano II **1 Credit**
EXTRA FEE CHARGED. GROUP INSTRUCTION IN APPLIED PIANO, SPECAL EMPHASIS ON THEORETICAL CONCEPTS RELEVANT TO KEYBOARD FACILITY DEVELOPMENT, SIGHT READING OF HISTORICAL KEYBOARD STYLES AND FUNDAMENTALS OF KEYBOARD HARMONY PEDAGOGY.

MUS-2032 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-2042 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-2111 University Singers **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON THE HISTORICAL, THEORETICAL AND PERFORMANCE-PRACTICE ASPECTS OF MUSIC FOR LARGE ENSEMBLES, LEADING TO THE PERFORMANCE OF THE LITERATURE.

MUS-2122 Introduction to Sacred Music **2 Credits**
AN INTRODUCTION TO THE FIELD OF SACRED MUSIC. AN EXAMINATION OF VARYING MUSIC TYPES FOUND IN DIFFERENT DENOMINATIONS FROM BOTH A PHILOSOPHICAL AND HISTORICAL PERSPECTIVE. STUDENTS WILL GAIN AN UNDERSTANDING OF THE DIFFERENT TYPES OF SACRED MUSIC USED IN A LITURGICAL AS WELL AS SECULAR SETTING.

MUS-2142 Hymnology and Liturgy **2 Credits**
THE STUDY OF TRADITIONAL SACRED MUSIC. COURSE CONTENT INCLUDES THE HISTORICAL STUDY OF TRADITIONAL HYMNS AND CHORAL MUSIC APPROPRIATE FOR THE SACRED MUSIC FIELD.

MUS-2152 Guitar and Contemporary Worship **2 Credits**
THE STUDY OF CONTEMPORARY SACRED MUSIC USING THE GUITAR AS THE MAIN PERFORMANCE MEDIUM. STUDENT WILL LEARN THE BASIC GUITAR TECHNIQUE AND HARMONIC VOCABULARY NECESSARY FOR THE PERFORMANCE OF CONTEMPORARY SACRED MUSIC.

MUS-2211 Band **1 Credit**
STUDY OF THE HISTORICAL, THEORETICAL, ACOUSTICAL AND PEDAGOGICAL ASPECTS OF BAND MUSIC, LEADING TO THE PERFORMANCE OF SYMPHONIC BAND LITERATURE.

MUS-2231 Jazz Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING, PERFORMANCE, AND DIRECTING OF JAZZ MUSIC VIA THE STUDY OF JAZZ HISTORY, COMPARISON OF JAZZ STYLES, AND THEORETICAL APPLICATIONS OF JAZZ IMPROVISATION. ADMISSION BY AUDITION.

MUS-2422 Introduction to Music Education **2 Credits**
INTRODUCTION TO THE UNIQUE ROLE OF MUSIC AND THE ARTS IN AMERICAN EDUCATION, FROM BOTH A PHILOSOPHICAL AND HISTORICAL PERSPECTIVE. THE PRIMARY EMPHASIS OF THE COURSE IS THE DEVELOPMENT AND UNDERSTANDING OF A RATIONALE FOR INCLUDING MUSIC IN THE PUBLIC SCHOOL CURRICULUM.

MUS-2433 World Music **3 Credits**
THE STUDY OF SIGNIFICANT MUSIC OF NON-WESTERN CULTURES (AFRICA, ASIA, MIDDLE EASTERN), AND OF THE AMERICAS (LATIN AMERICA AND NATIVE NORTH AMERICA). STYLES AND TRAITS OF SPECIFIC ETHNIC MUSIC.

MUS-2533 Music in Life **3 Credits**
STUDY OF SIGNIFICANT MUSIC OF WESTERN CULTURES FROM MIDDLE AGES TO THE PRESENT.

MUS-2881 Special Studies in Music- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2882 Special Studies in Music- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2883 Special Studies in Music- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2884 Special Studies in Music- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2911 Class Piano III **1 Credit**
APPLIED INSTRUCTION IN GROUPS WITH EMPHASIS ON KEYBOARD FACILITY, SIGHTREADING, AND KEYBOARD HARMONY.

MUS-2921 Class Piano IV **1 Credit**
EXTRA FEE CHARGED. GROUP INSTRUCTION IN APPLIED PANO, SPECIAL EMPHASISON THEORETICAL CONCEPTS RELEVANT TO KEYBOARD FACILITY DEVELOPMENT,READING OF HISTORICAL KEYBOARD STYLES AND FUNDAMENTALS OF KEYBOARD HARMONY PEDAGOGY. Required Previous or Concurrent: Take MUS-2911 or instructor permission

MUS-2931 Introduction to Fundamental Music **1 Credit**
MUSIC THEORY AND FUNDAMENTAL SKILLS DEVELOPMENT, INCLUDING INSTRUCTIONIN RECORDER, VOICE, AUTOHARP, PIANO, AND RHYTHM/MELODIC INSTRUMENTS. PROVIDES A RUDIMENTARY LEVEL OF FUNCTIONAL MUSIC.

MUS-3012 Sacred Music Organization **2 Credits**
ORGANIZATION AND METHODOLOGY OF SACRED MUSIC PROGRAMS INCLUDING THE CREATION OF BUDGETS, ADMINISTRATIVE ISSUES AND PRESENTATION TO THE PUBLIC. STUDY OF PEDAGOGY AND REHEARSAL TECHNIQUES APPROPRIATE FOR DIFFERENT AGE LEVELS FOUND IN SACRED MUSIC. Required Previous: MUS-2122

MUS-3021 Sacred Music Internship **1 Credit**
A SUPERVISED PROFESSIONAL SACRED MUSIC INTERNSHIP IN A CHURCH, SUPERVISED BY FACULTY. Required Previous: MUS-2122

MUS-3052 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-3062 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-3113 Music Theory & Ear Training IV **3 Credits**
CHROMATIC HARMONY, MODULATION, AND THEORETICAL APPLICATIONS OF MUSIC THROUGH PART WRITING, COMPUTER ASSIGNMENTS, COMPOSITION, ANALYSIS SIGHT SINGING, EAR TRAINING AND KEYBOARD HARMONY. TWO HOURS LECTURE AND TWO HOURS LAB. Required Previous: MUS-1233

MUS-3121 Piano Literature I **1 Credit**
AN ANALYTICAL AND HISTORICAL SURVEY OF THE PROMINENT COMPOSERS, WORKS, PIANISTS, COLLATIONS AND EDITIONS OF PIANO LITERATURE FROM ITS ORIGIN THE ROMANTIC ERA, A HISTORY OF KEYBOARD INSTRUMENTS TO THE PRESENT.

MUS-3211 Principles of Conducting **1 Credit**
INTRO COURSE IN CONDUCTING, OBJECTIVES INCLUDE LEARNING BEAT PATTERNS, PROPER POSTURE, USE OF BATONAND EXPRESSIVE GESTURES NECESSARY FOR CLEAR AND PRECISE STYLE, DEVELOP CONFIDENCE AND LEADERSHIP THROUGH LIVE CONDUCTING EXPERIENCES.

MUS-3221 Band Literature **1 Credit**
A SURVEY OF GRADED MATERIALS FOR JUNIOR HIGH AND HIGH SCHOOL BAND AND WIND ENSEMBLES, WITH ATTENTION TO INTERPRETATION AND STYLE IN THE HISTORICAL DEVELOPMENT OF THE LITERATURE, INCLUDING TRANSCRIPTIONS.

MUS-3232 Marching Band Techniques **2 Credits**
FUNDAMENTALS AND ORGANIZATION OF MARCHING BANDS, PRECISION DRILL AND PAGEANTRY, CHARTING AND REHEARSAL PROCEDURES/PROBLEMS, DRILL DESIGN, MUSICAL ANALYSIS AND INTERPRETIVE WRITING, HORN PLACEMENT, TEACHING TECHNIQUES

MUS-3241 Vocal Diction II **1 Credit**
A CONTINUATION OF VOCAL DICTION I, APPLYING THE INTERNATIONAL PHONETIC ALPHABET AND PROPER STAGE DICTION RULES TO GERMAN AND FRENCH LANGUAGES. Required Previous: MUS-1121

MUS-3311 Advanced Class Instruction in Brass Instruments **1 Credit**
CONTINUATION OF 1511. COURSE MAY BE REPEATED ON SAME BASIS AS 1511.

MUS-3321 Choral Literature **1 Credit**
A SURVEY OF GRADED CHORAL LITERATURE OF THE RENAISSANCE THROUGH MODERN PERIODS SUITABLE FOR JUNIOR HIGH AND HIGH SCHOOL GROUPS, WITH ATTENTION TO INTERPRETATION, STYLE, AND DICTION IN THE HISTORICAL DEVELOPMENT OF THE LITERATURE.

MUS-3411 Advanced Class Instruction in Woodwind Instruments **1 Credit**
CONTINUATION OF 1611. COURSE MAY BE REPEATED ON SAME BASIS AS 1511.

MUS-3421 Solo Vocal Literature **1 Credit**
A SURVEY OF GRADED SOLO LITERATURE FOR ALL VOICE RANGES SUITABLE FOR THE JUNIOR HIGH AND HIGH SCHOOL LEVELS, WITH ATTENTION TO INTERPRETATION, STYLE AND DICTION.

MUS-3503 History of Musical Theatre **3 Credits**
A COMPREHENSIVE INTRODUCTION AND CRITICAL STUDY OF THE HISTORY OF AMERICAN MUSICAL THEATRE AND ITS PLACE IN RELATION TO ART, LITERATURE, POLITICS, CUSTOM, AND SOCIETY. RECOGNITION OF STYLES AND FORMS FROM STUDYING AND LISTENING TO EXAMPLES FROM REPRESENTATIVE REPERTOIRE.

MUS-3521 Piano Pedagogy I **1 Credit**
A STUDY OF THE PHILOSOPHICAL APPROACHES FOR PRESENTING MATERIALS IN PIANO INSTRUCTION. STUDENTS EXPLORE THE HISTORICAL DEVELOPMENTS IN KEYBOARD PEDAGOGY, LEARNING THEORY AND COMMUNICATION IN GROUP OR PRIVATE PIANO.

MUS-3602 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-3621 Vocal Pedagogy **1 Credit**
AN INTRODUCTION TO THE PEDAGOGY OF SINGING. THE COURSE INCLUDES AN OVERVIEW OF THE FUNDAMENTALS OF VOCAL ACOUSTICS, THE BASIC ANATOMY AND PHYSIOLOGY OF SINGING, THE PROCESS OF BREATHING AND SUPPORT, THE PROCESS OF PHONATION, AND THE PROCESS OF VOWEL PRODUCTION AND ARTICULATION.

MUS-3633 History of Music Through Bach **3 Credits**
A STUDY OF MUSIC FROM THE EARLIEST TIME THROUGH J. S. BACH.

MUS-3643 History of Music Since Bach **3 Credits**
A STUDY OF MUSIC FROM THE END OF THE BAROQUE ERA TO THE PRESENT.

MUS-3721 Piano Accompanying I **1 Credit**
A LECTURE AND DISCUSSION COURSE ANALYZING THE HISTORY OF ACCOMPANIED SOLO AND ENSEMBLE VOCAL MUSIC, PREPARATION AND DISCUSSION OF LITERATURE AND ACQUISITION OF SKILLS IN IMPROVISATION, SCORE READING, TRANSPOSITION AND SIGHT READING.

MUS-3812 Counterpoint **2 Credits**
STUDY BASED ON THE STYLE OF J. S. BACH. PRACTICAL APPLICATION IN THE WRITING OF ORIGINAL CONTRAPUNTAL EXERCISES. CORRELATED EAR TRAINING. Required Previous: MUS-3113

MUS-3831 Instrumental Conducting **1 Credit**
CONTINUATION OF 3211, FOR INSTRUMENTAL MAJORS. Required Previous: MUS-3211

MUS-3851 Advanced Class Instruction in Percussion Instruments **1 Credit**
CONTINUATION OF 1811. COURSE MAY BE REPEATED ON SAME BASIS AS 1511.

MUS-3871 Choral Conducting **1 Credit**
CHORAL EXPERIENCE FROM THE VIEWPOINT OF SINGER AND CONDUCTOR, USING WORKS FROM ALL PERIODS OF WESTERN MUSIC. Required Previous: MUS-3211

MUS-3912 Methods of Teaching Music for Elementary Teachers **2 Credits**
MUSIC EDUCATION PRACTICES RELATING TO ELEMENTARY MUSIC CLASSROOMS, STANDARD MUSIC EDUCATION METHODS, LEARNING THEORIES IN MUSIC EDUCTION, DEVELOPMENT OF LESSON PLANS IN MUSIC, OPPORTUNITIES TO PRESENT LESSONS TO CHILDREN.

MUS-4082 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4113 Musical Form and Analysis **3 Credits**
A SURVEY AND ANALYSIS OF THE PHILOSOPHICAL ELEMENTS OF HISTORICAL ERAS AND APPLICATION OF CONDITIONED RESPONSE AND PROCESSES TO THE STUDENT'S MAJOR.

MUS-4121 Piano Literature II **1 Credit**
AN ANALYTICAL AND HISTORICAL SURVEY OF THE PROMINENT COMPOSERS, WORKS, PIANISTS, COLLECTIONS AND EDITIONS OF PIANO LITERATURE FROM THE ROMANTIC ERA TO THE PRESENT, A STUDY OF 20TH CENTURY TECHNIQUES AND INNOVATIONS.

MUS-4412 Music in the Elementary School **2 Credits**
TEACHING MUSIC IN THE ELEMENTARY GRADES, INCLUDING LEARNING THEORIES AS THEY APPLY TO MUSIC, RATIONALE FOR MUSIC IN PUBLIC EDUCATION VIA MUSICAL HISTORY AND PHILOSOPHY, PRINCIPLE MUSIC METHODOLOGIES, INCLUDING KODALY, AND ORFF.

MUS-4432 Instrumental Music in the School **2 Credits**
PROBLEMS AND METHODS OF TEACHING INSTRUMENTAL CLASSES AND ORGANIZATIONS AT ALL SKILL LEVELS. EMPHASIS ON PEDAGOGY AND REHEARSAL TECHNIQUES.

MUS-4512 Administration of Instrumental Music Programs **2 Credits**
THE STUDY OF ADMINISTRATIVE PROCEDURES OF THE PUBLIC SCHOOL INSTRUMENTAL DIRECTOR.

MUS-4521 Piano Pedagogy II **1 Credit**
A CONTINUATION OF CONCEPTS PRESENTED IN MUS 3521. STUDENTS ARE, IN ADDITION, PROVIDED LABORATORY EXPERIENCE IN THE TEACHING OF PIANO TO CHILDREN AND ADULTS. EMPHASIS IS GIVEN TO THE DEVELOPMENT OF SUCCESSFUL TEACHING STUDIOS.

MUS-4532 Vocal Music in the Secondary School **2 Credits**
TEACHING MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOLS, INCLUDING BASIC PEDAGOGICAL CONCEPTS, BOTH ANATOMICAL AND PHILOSOPHICAL, GENRES OF SUITABLE LITERATURE, SPECIAL PRODUCTIONS, INCLUDING BUDGETARY CONSIDERATIONS.

MUS-4721 Piano Accompanying II **1 Credit**
A LECTURE AND DISCUSSION COURSE ANALYZING THE HISTORY OF ACCOMPANIEDINSTUMENTAL LITERATURE, PREPARATION AND DISCUSSION OF LITERATURE ANDACQUISITION OF SKILLS IN IMPROVISATION, SCORE READING, TRANSPOSITION AND SIGHT READING.

MUS-4801 Private Instruction (instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4812 Private Instruction (instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4822 Private Instruction (instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4981 Seminar in Music- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4982 Seminar in Music- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4983 Seminar in Music- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4984 Seminar in Music- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4991 Individual Study in Music- 1 Credit
DIRECTED INDIVIDUAL STUDY OF SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MUS-4992 Individual Study in Music- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4993 Individual Study in Music- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4994 Individual Study in Music- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-5313 Music for Elementary Teachers 3 Credits
STUDY AND PRACTICAL APPLICATION OF PROBLEMS INVOLVED IN MUSIC EDUCATION, GRADES 1-6, WITH EMPHASIS ON ACQUIRING SKILLS NECESSARY FOR SUCCESSFUL TEACHING AT ANY GRADE LEVEL. Required Previous: MUS-3912

MUS-5413 Choral Materials 3 Credits
A STUDY OF MATERIALS AND TECHNIQUES USED IN THE ORGANIZATION, TRAINING, AND CONDUCTING OF CHORAL GROUPS IN SECONDARY SCHOOL.

MUS-5513 Advanced Conducting and Score Reading 3 Credits
ANALYSIS OF MATERIALS, PROBLEMS OF ORGANIZATION, AND STUDY OF LITERATURE OF CONDUCTING, BOTH INSTRUMENTAL AND VOCAL, PRACTICE IN SCORE READING AND CONDUCTING. Required Previous: MUS-3211

MUS-5981 Seminar in Music- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5982 Seminar in Music- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5983 Seminar in Music- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5984 Seminar in Music- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5991 Individual Study in Music- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-5992 Individual Study in Music- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-5993 Individual Study in Music- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-5994 Individual Study in Music- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-A2131 Vocal Ensemble-Oklahomans **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-A2201 Minor Instrument - Harpsichord **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-A2222 Major Instrument - Harpsichord **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-A2311 Instrum Ensmbl-Woodwind Quint **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-A3301 Minor Instrument - Harpsichord **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-A3332 Major Instrument - Harpsichord **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B2201 Minor Instrument - Brass **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B2222 Major Instrument - Brass **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B2311 Instrumental Ensemble - Basketball Band **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-B3301 Minor Instrument - Brass **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B3332 Major Instrument - Brass **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C2131 Vocal Ensemble-Chamber Singers **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-C2201 Minor Instrument - Percussion **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C2222 Major Instrument - Percussion **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C2311 Instrumental Ensemble-Woodwind Choir **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO ORMORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTERIN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-C3301 Minor Instrument - Percussion **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C3332 Major Instrument - Percussion **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-D2131 Vocal Ensemble-Univ Chorale **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-D2311 Instrum Ensemble-Brass Choir **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-E2131 Vocal Ensemble-Univ Singers **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-E2311 Instrum Ensemble-Brass Quint **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-F2311 Instrum Ensemble-Wind Choir **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-G2131 Vocal Ensemble-Gospel Choir **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-G2311 Jazz Ensemble II **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-H1000 Honors-Recital Attendance **0 Credits**
A NON-CREDIT COURSE REQUIRED EACH SEMESTER FOR MUSIC MAJORS AND MINORS.THE COURSE PROVIDES LISTENING AND PERFORMANCE OPPORTUNITIES IN FORMAL AND INFORMAL CONCERT SETTINGS.

MUS-H2311 Instrum Ensemble-Percussion **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO OR MORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTER IN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-H3633 Honors-Hist of Mus Throu Bach **3 Credits**
A STUDY OF MUSIC FROM THE EARLIEST TIME THROUGH J. S. BACH

MUS-H3643 Honors-Hist of Music Snc Bach **3 Credits**
A STUDY OF MUSIC FROM THE END OF THE BAROQUE ERA TO THE PRESENT.

MUS-H4113 Honors-Musical Form & Analysis **3 Credits**
A SURVEY AND ANALYSIS OF THE PHILOSOPHICAL APPROACHES TO MUSICAL FORMS, GENRE, AND STYLISTIC ELEMENTS OF HISTORICAL ERAS AND APPLICATION CONDITIONED RESPONSE AND PROCESSES TO THE STUDENT'S MAJOR.

MUS-H4412 Honors-Music in the Elem School **2 Credits**
TEACHING MUSIC IN THE ELEMENTARY GRADES, INCLUDING LEARNING THEORIES AS THEY APPLY TO MUSIC, RATIONALE FOR MUSIC IN PUBLIC EDUCATION VIA MUSICAL HISTORY AND PHILOSOPHY, PRINCIPAL MUSIC METHODOLOGIES, INCLUDING, KODALY, AND ORFF.

MUS-HD2311 Hnrs-Instrumental Ensemble-Brass Choir **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-HO2131 Honors-Vocal Ensemble-Opera **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-HW2222 HONOR-Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-HW3332 HONORS-Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-I2131 Vocal Ensemble-Jazz Instrumental **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-I2311 Sax Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-J2131 Vocal Ensemble-Jazz Singer **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-J2311 Instrum Ensemble-Jazz Improv **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-K2311 Clarinet Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-L2311 Flute Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-O2131 Vocal Ensemble-Opera **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-O2201 Minor Instrument - Organ **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-O2222 Major Instrument - Organ **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-O3301 Minor Instrument - Organ **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-O3332 Major Instrument - Organ **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P1411 Class Piano I (non-Music) **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO OR MORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTER IN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-P2201 Minor Instrument - Piano **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P2222 Major Instrument - Piano **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P3301 Minor Instrument - Piano **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P3332 Major Instrument - Piano **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-Q2311 Instrumental Ensemble-Color Guard **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-R2201 Minor Instrument- Stringed Instrument **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-R2222 Major Instrument- Stringed Instrument **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-R2311 Instrument Ensemble-Strings **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-R3301 Minor Instrument- Stringed Instrument **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-R3332 Major Instrument- Stringed Instrument **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-S5981 Seminar- **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO OR MORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTER IN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-T2131 Voc Ensemble-Music Theatre **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-V2201 Minor Instrument - Voice **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-V2222 Major Instrument - Voice **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-V3301 Minor Instrument - Voice **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-V3332 Major Instrument - Voice **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W2201 Minor Instrument - Woodwind **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W2222 Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W2311 Winter Guard Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-W3301 Minor Instrument - Woodwind **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W3332 Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-X2311 Instrumental Ensemble-Small Brass Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUSIC EDUCATION (MUSED)

MUSED-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NATIVE AMERICAN STUDIES (NAS)

NAS-1113 Introduction to Native American Studies **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE FIELD OF NATIVE AMERICAN STUDIES, TO HISTORICAL AND CONTEMPORARY INDIAN ISSUES, TO POTENTIAL CAREER OPPORTUNITES WITH INDIAN NATIONS, AND HELPS PREPARE STUDENTS FOR COURSE WORK IN THE NATIVE AMERICAN STUDIES MAJOR AND MINOR. COURSE INCLUDES GUEST PRESENTERS, FILMS, LECTURES, AND DISCUSSIONS.

NAS-2113 Chickasaw Humanities: Comparing Cultures **3 Credits**
A STUDY OF THE THOUGHT AND CULTURE OF THE CHICKASAW NATION (AND OTHER RELEVANT SOUTHEASTERN NATIONS) USING ORAL TRADITION, WRITTEN STUDIES, WORKS OF ART, AND MUSICAL AND DRAMATIC PERFORMANCES. THESE APPROACHES WILL BE COMPARED TO WESTERN HUMANITIES.

NAS-2123 Chickasaw Humanities: Chickasaw Culture **3 Credits**
A STUDY OF THE THOUGHT AND CULTURE OF THE CHICKASAW NATION (AND OTHER RELEVANT SOUTHEASTERN NATIONS) USING ORAL TRADITION, WRITTEN STUDIES, WORKS OF ART, AND MUSICAL AND DRAMATIC PERFORMANCES. THESE APPROACHES WILL BE COMPARED TO OTHER NATIVE AMERICAN TRIBES.

NAS-2881 Special Studies in Native American Studies (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-2882 Special Studies in Native American Studies (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-2883 Special Studies in Native American Studies (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-2884 Special Studies in Native American Studies (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-3003 Tribal Sovereignty & Federal Indian Policy **3 Credits**
THIS COURSE IS FORMULATED AND STRUCTURED AS A GENERAL INTRODUCTION FOR STUDENTS TO TRIBAL SOVEREIGNTY AND FEDERAL INDIAN POLICY USING A COMBINATION OF ONLINE LECTURES, PRESENTATION SLIDES, AND READINGS.

NAS-3013 Introduction to Native American Language **3 Credits**
GENERAL LINGUISTIC SURVEY OF THE INDIGENOUS LANGUAGES OF NORTH AMERICA THROUGH THE USE OF READINGS, IN-CLASS DISCUSSIONS, VIDEOS, AUDIO, AND COMPLETION OF A WRITTEN LANGUAGE SKETCH.

NAS-4113 Research in Native American Studies **3 Credits**
CAPSTONE SEMINAR IN NATIVE AMERICIAN STUDIES. STUDENTS DEVELOP A RESEARCH PROJECT ON AN ISSUE IN NATIVE AMERICAN STUDIES AND DEVELOP A WRITTEN AND ORAL PRESENTATION OF THEIR WORK. Required Previous: 12 hours of Native American Studies

NAS-4223 Internship in Native American Studies **3 Credits**
INTERNSHIP WITH AN APPROVED NATIVE AMERICAN PROGRAM. Required Previous: 12 hours of Native American Studies

NAS-4981 Seminar in Native American Studies (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NAS-4982 Seminar in Native American Studies (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NAS-4983 Seminar in Native American Studies (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NAS-4984 Seminar in Native American Studies (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NURSING (NRSG)

NRSG-1142 Introduction to Professional Nursing **2 Credits**
ORIENTATION TO NURSING WITH A FOCUS ON TODAY'S HEALTHCARE, PROFESSIONALISM, COMMUNICATION AND COLLABORATION. (MAY BE TAKEN PRIOR TO OR UPON ACCEPTANCE TO THE NURSING PROGRAM.)

NRSG-2104 Foundations in Nursing **4 Credits**
INTRODUCES FUNDAMENTAL CONCEPTS, SKILLS, AND TECHNIQUES OF NURSING PRACTICE, INCLUDING AN EMPHASIS ON BASIC COGNITIVE, AFFECTIVE, AND PSYCHO-MOTOR SKILLS, PATIENT-CENTERED CARE, AND EVIDENCE-BASED PRACTICE. EMPHASIS ON THE PERFORMANCE AND COMMUNICATION OF CONCEPTS, SKILLS, AND TECHNIQUES WILL BE COVERED IN LABORATORY HOURS. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-2104L Foundations in Nursing Lab **0 Credits**
LAB COURSE FOR NRSG 2104

NRSG-2224 Physical Assessment **4 Credits**
DEVELOP AND PRACTICE COMMUNICATION SKILLS AND TECHNIQUES OF ASSESSMENT FOR CLIENTS ACROSS THE LIFESPAN. EMPHASIS ON THE PERFORMANCE AND COMMUNICATION OF ASSESSMENTS WILL BE COVERED IN LABORATORY HOURS. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED)

NRSG-2224L Physical Assessment Lab **0 Credits**
LAB COURSE FOR NRSG 2224.

NRSG-2881 Special Studies in Nursing- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-2882 Special Studies in Nursing- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-2883 Special Studies in Nursing- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-2884 Special Studies in Nursing- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-3118 Med-Surg Nursing I 8 Credits
LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN. FOCUS WILL BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, INCORPORATING EFFECTIVE USE OF INFORMATICS SYSTEMS, DEVELOPING CRITICAL THINKING SKILLS, PROFESSIONAL NURSING PRACTICE, AND THE FOUNDATIONAL CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTION ACROSS THE CONTINUUM. LABORATORY /CLINICAL TIME REQUIRED AS WELL AS TRAVEL. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3118L Med-Surg Nursing I Lab 0 Credits
LAB COURSE FOR NRSG 3118.

NRSG-3193 Pharmacology I 3 Credits
INTRODUCTION TO THE TERMS, CONCEPTS, AND PHYSIOLOGICAL PRINCIPLES UNDERLYING THE USE OF PHARMACOLOGICAL AGENTS TO PROMOTE SAFETY AND HIGH-QUALITY CARE. STUDENTS WILL LEARN CLASSES OF COMMONLY USED PHARMACOLOGICAL AGENTS INCLUDING MODES OF ACTION, USUAL DOSAGES, CONTRAINDICATIONS, ADVERSE EFFECTS AND NURSING MANAGEMENT OF CLIENTS RECEIVING MEDICATIONS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3218 Med-Surg Nursing II 8 Credits
THIS IS A CONTINUATION OF NRSG 3118. LECTURE WILL INCLUDE TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN. WITH INCREASED COMPLEXITY, CONTINUED FOCUS WILL BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, EFFECTIVE USE OF INFORMATICS SYSTEMS, INCREASING THE DEVELOPMENT OF CRITICAL THING SKILLS, ALONG WITH PRIORITIZATION AND DELEGATION, PROFESSIONAL NURSING PRACTICE, AND THE CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTION ACROSS THE CONTINUUM. LABORATORY/CLINICAL TIME REQUIRED.

NRSG-3218L Med-Surg Nursing II Lab 0 Credits
LAB COURSE FOR NRSG 3218.

NRSG-3223 Health Assessment 3 Credits
SKILLS AND TECHNIQUES OF INTERVIEWING AND OBTAINING HEALTH HISTORY AND MEDICATION KNOWLEDGE FOR VARYING POPULATIONS WILL BE ASSESSED. PHYSICAL ASSESSMENT TECHNIQUES, CLINICAL REASONING, AND DOCUMENTING WITH INFORMATICS WILL BE EMPHASIZED. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER SIMULATED LABS. (THIS COURSE SHOULD BE TAKEN THE 1ST TERM OF THE NURSING PROGRAM.)(FULL ACCEPTANCE TO THE NURSING

NRSG-3333 Contemporary Professional Nursing 3 Credits
COURSE FOCUSES ON THE APPLICATION OF NURSING THEORY TO THE DEVELOPMENT OF NURSING DIAGNOSIS AND UTILIZATION OF THE NURSING PROCESS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3393 Pharmacology II 3 Credits
CONTINUATION OF NRSG 3193. STUDENTS WILL APPLY TERMS, CONCEPTS, AND PHYSIOLOGICAL PRINCIPLES UNDERLYING THE USE OF PHARMACOLOGICAL AGENTS, PROMOTING SAFETY AND HIGH-QUALITY CARE. THE EVALUATION OF COMMONLY USED PHARMACOLOGICAL AGENTS INCLUDING MODES OF ACTION, USUAL DOSAGES, CONTRAINDICATIONS, ADVERSE EFFECTS, AND NURSING MANAGEMENT OF CLIENTS RECEIVING MEDICATION WILL BE CONTINUED. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-3883 Nursing Research 3 Credits
INTRODUCTION TO THE RESEARCH PROCESS AND EVIDENCE-BASED PRACTICE (EBP). EMPHASIS IS PLACED ON CRITICAL THINKING, IDENTIFYING AND USING NURSING RESEARCH IN PRACTICE (EBP), EFFECTIVE USE OF INFORMATICS, AS WELL AS COMMUNICATING AND COLLABORATING REGARDING BEST PRACTICE. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3893 Nursing Research an Evidence Based Practice 3 Credits
THIS COURSE WILL FOCUS ON THE RESEARCH PROCESS AS WELL AS EVIDENCE-BASED PRACTICE (EBP). EMPHASIS IS ON IDENTIFYING, REVIEWING, AND IMPLEMENTING RESEARCH IN NURSING PRACTICE (EBP), THE USE OF INFORMATICS, AND COMMUNICATION AND COLLABORATION IN NURSING RESEARCH. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM.)

NRSG-4113 LPN Transitions 3 Credits
FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED. MUST BE A LICENSED LPN IN THE STATE OF OKLAHOMA, OR WITH A MULTI-STATE LICENSE EDUCATED IN OKLAHOMA. THIS COURSE PREPARES THE LICENSED PRACTICAL NURSE TO PERFORM AS A REGISTERED NURSE BY EXPANDING THE LPN KNOWLEDGE BASE AND EXPLORING THE SCOPE OF PRACTICE OF THE RN. THE COURSE BEGINS WITH A REVIEW OF NURSING PROCESS, COMMUNICATION, CLIENT TEACHING, AND CRITICAL THINKING AND INTRODUCES HIGHER LEVELS OF COGNITION INCLUDING CLINICAL REASONING AND

NRSG-4164 Nursing-Childbearing Family 4 Credits
A COMPREHENSIVE APPROACH TO FAMILY NURSING WITH AN EMPHASIS ON CLIENT-CENTERED CARE, EVIDENCE-BASED PRACTICE, PRIORITIZATION, COMMUNICATION AND COLLABORATION. CLINICAL WILL FOCUS ON CULTIVATING CRITICAL THINKING SKILLS AND APPLYING PROFESSIONAL NURSING PRACTICE. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-4164L Nursing-Childbearing Family Lab 0 Credits
LAB COURSE FOR NRSG 4165.

NRSG-4214 Psychiatric-Mental Health Nursing 4 Credits
FOCUSES ON BEHAVIORAL AND PSYCHO-DYNAMIC CONCEPTS AND THEORIES, TOGETHER WITH THEIR APPLICATIONS, AND THE THERAPEUTIC USE OF SELF TO MODIFY EMOTIONAL AND/OR PSYCHIATRIC DISEQUILIBRIUM AND PROMOTE MENTAL HEALTH IN INDIVIDUALS, FAMILIES AND COMMUNITIES. CULTIVATES CRITICAL THINKING AND PROFESSIONAL PRACTICE. LABORATORY/CLINICAL HOURS AND TRAVEL REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4214L Psychiatric-Mental Health Nurse Lab 0 Credits
LAB COURSE FOR NRSG 4214.

NRSG-4283 Community Health Nursing 3 Credits
FOCUS ON PRINCIPLES AND PRACTICES OF COMMUNITY HEALTH NURSING AS APPLIED TO HEALTH PROMOTION AND THE DISEASE PREVENTION NEEDS OF INDIVIDUALS, FAMILIES, AND COMMUNITIES IN VARIOUS SETTINGS AND ACROSS THE CONTINUUM OF HEALTH CARE ENVIRONMENTS FROM LOCAL TO GLOBAL PERSPECTIVES. LECTURE AND LABORATORY/ CLINICAL TIME REQUIRED. TRAVEL ALSO REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.

NRSG-4283L Community Health Nursing Lab 0 Credits
LAB COURSE FOR NRSG 4283.

NRSG-4375 Med-Surg Nursing III 5 Credits
THIS IS A CONTINUATION OF NRSG 3118 & NRSG 3218. LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN IN ACUTE AND CHRONIC HEALTH SITUATIONS. WITH INCREASED COMPLEXITY, CONTINUED FOCUS WILL T BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, EFFECTIVE USE OF INFORMATICS SYSTEMS, CONTINUED DEVELOPMENT OF CRITICAL THINKING SKILLS, AND INCREASED FOCUS ON PRIORITIZATION AND DELEGATION, PROFESSIONAL NURSING PRACTICE, AND THE CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTI

NRSG-4375L Med-Surg Nursing III Lab 0 Credits
LAB COURSE FOR NRSG 4374.

NRSG-4382 Concepts in Leadership and Management 2 Credits
FOCUS ON PRINCIPLES RELATED TO PROFESSIONAL NURSING CONCEPTS AND PRACTICE THROUGH VARIOUS METHODS, LEADERSHIP APPLICATIONS, PRIORITIZATION, DELEGATION PRINCIPLES, AND EFFECTIVELY USING COMMUNICATION WHEN WORKING ON INTERDISCIPLINARY TEAMS. CRITICAL THINKING AND EVIDENCE-BASED PRACTICE IS EMPHASIZED TO PROMOTE A CULTURE OF SAFETY AND CONTINUOUS QUALITY IMPROVEMENT. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4382L Concepts in Leadership and Management Lab 0 Credits
LAB COURSE FOR NRSG 4383.

NRSG-4513 Prioritization & Critical Thinking 3 Credits
FOCUS ON SYNTHESIZING KNOWLEDGE INTO CRITICAL THINKING, PRIORITIZATION, AND APPLICATION OF THE STANDARDS OF NURSING PRACTICE TO CARE OF CLIENTS ACROSS THE HEALTHCARE CONTINUUM. STUDENTS WILL USE INFORMATICS AND EVIDENCE-BASED PRACTICE TO ANALYZE CLIENT DATA AND IMPROVE HEALTH-RELATED OUTCOMES IN DIVERSE POPULATIONS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4513L Prioritization & Critical Thinking Lab 0 Credits
LAB COURSE FOR NRSG 4513.

NRSG-4617 Advanced Nursing Concepts I 7 Credits
THE COURSE FOCUSES ON THE PROCESSES AND PROBLEMS OF AGING APPLIED TO OLDER ADULTS IN ACUTE CARE AND COMMUNITY SETTINGS. A MAJOR FOCUS IS APPLYING QSEN CONEPTS TO ACUTE OR CHRONIC CLIENT HEALTH SITUATIONS, IDENTIFYING AT RISK OLDER ADULTS, AND DEVELOPING, EVALUATING AND MODIFYING INTERVENTIONS. COMMUNITY HEALTH NURSING CONCEPTS FROM DIVERSE RURAL TO GLOBAL PERSPECTIVES ARE APPLIED. CLASSROOM, ONLINE AND CLINICAL HOURS. TRAVEL REQUIRED. Required Previous: NRSG-3223 grade of a C or higher

NRSG-4629 Advanced Nursing Concepts II 9 Credits
EMPHASIS IS ON APPLYING CURRENT LEADERSHIP AND MANAGEMENT CONCEPTS TO DIVERSE HEALTH CARE AND NURSING PRACTICE SETTINGS. COMMUNICATION AND COLLABORATION, CRITICAL THINKING, EVIDENCE BASED PRACTCE AND INFORMATICS ARE APPLIED TO COMPLEX CLINICAL SITUATIONS. CLIENTS WITH COMPLEX MULTISYSTEM PROBLEMS ARE ANALYZED. CLASSROOM, ONLINE AND CLINICAL HOURS. TRAVEL REQUIRED. Required Previous: Grade of a C or higher in NRSG-3223.

NRSG-4633 Advanced Nursing Concepts: Aging 3 Credits
FOCUSES ON THE PROCESSES AND PROBLEMS OF AGING APPLIED TO OLDER ADULTS IN ACUTE CARE AND COMMUNITY SETTINGS. USE OF QSEN CONCEPTS APPLIED TO ACUTE OR CHRONIC CLIENT HEALTH SITUATIONS, IDENTIFYING AT RISK OLDER ADULTS, AND DEVELOPING, EVALUATING, AND MODIFYING INTERVENTIONS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4644 Community & Public Health Nursing 4 Credits
INCLUDES APPLYING COMMUNITY AND PUBLIC HEALTH NURSING CONCEPTS FROM VULNERABLE POPULATIONS, DIVERSE RURAL POPULATIONS, AND GLOBAL PERSPECTIVES. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4654 Advanced Nursing Concepts: Critical Care 4 Credits
FOCUSES ON SYNTHESIS AND APPLICATION OF STANDARDS OF NURSING PRACTICE TO CARE OF CLIENTS WITH MULTIPLE COMPLEX ADAPTATIONAL ALTERATIONS. INFORMATICS, AND EVIDENCE-BASED PRACTICE WILL BE USED TO ANALYZE CLIENT DATA TO PROMOTE IMPROVED HEALTH RELATED OUTCOMES IN DIVERSE POPULATIONS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4665 Leadership and Management in Nursing **5 Credits**
EMPHASIS IS ON APPLYING CURRENT LEADERSHIP AND MANAGEMENT CONCEPTS TO DIVERSE HEALTH CARE AND NURSING PRACTICE SETTINGS. TEAMWORK, COMMUNICATION, COLLABORATION, CLINICAL REASONING, CRITICAL THINKING, EVIDENCE-BASED PRACTICE, AND INFORMATICS ARE APPLIED TO BOTH ROUTINE AND COMPLEX SITUATIONS TO PROMOTE A CULTURE OF SAFETY AND CONTINUOUS QUALITY IMPROVEMENT. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COM

NRSG-4673 Healthcare Communications **3 Credits**
DEPARTMENTAL APPROVAL; DESIGNED TO COVER THE BROAD TOPICS REGARDING HEALTHCARE AND COMMUNICATION, AND HOW VARIOUS COMMUNICATION CONTEXTS AND PROCESSES IMPACT HEALTHCARE, AS WELL AS LEARNING TO USE INTEGRATION METHODS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS.

NRSG-4683 Current Topics in Nursing **3 Credits**
DEPARTMENTAL APPROVAL; DESIGNED TO IDENTIFY AND EXAMINE CURRENT ISSUES AFFECTING THE NURSING PROFESSION. TOPICS WILL VARY DEPENDENT UPON CURRENT ISSUES. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS.

NRSG-4954 Transition to Professional Practice **4 Credits**
CAPSTONE COURSE THAT FACILITATES EXPLORATION OF ETHICAL, LEGAL, AND SOCIAL ASPECTS OF NURSING PRACTICE. FOCUS IS ON THE STUDENT PROGRESSION TO THE PROFESSIONAL NURSE ROLE. CLINICAL PRECEPTORSHIP AND TRAVEL REQUIRED. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-4981 Seminar in Nursing- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL TOPICS OR PROBLEMS PERTINENT TO NURSING.

NRSG-4982 Seminar in Nursing- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. Required Concurrent: NRSG-4982L taken concurrently

NRSG-4982L Seminar Lab **0 Credits**
LAB COURSE FOR NRSG 4982.

NRSG-4983 Seminar in Nursing- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. Required Concurrent: NRSG-4983L taken concurrently

NRSG-4984 Seminar in Nursing- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-4985 Seminar in Nursing- **5 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-4991 Individual Study in Nursing- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-4992 Individual Study in Nursing- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-4993 Individual Study in Nursing- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-4994 Individual Study in Nursing- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-5981 Seminar in Nursing- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-5982 Seminar in Nursing- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-5983 Seminar in Nursing- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-5984 Seminar in Nursing- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-H3118 Honors-Child-Adult Nursing I **8 Credits**
LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS FROM CHILDHOOD TO ADULTHOOD WHO HAVE METABOLIC, IMMUNOLOGIC, ONCOLOGIC, NEUROMUSCULAR, INTEGUMENTARY, AND UPPER RESPIRATORY PROBLEMS. CLINICAL WILL FOCUS ON CLIENT-CENTERED CARE, COMMUNICATION AND COLLABORATION, INFORMATICS, EVIDENCE-BASED PRACTICE, AND QUALITY AND SAFETY CONCEPTS APPLIED TO INDIVIDUAL MEDICAL-SURGICAL CLIENTS. TRAVEL REQUIRED.

NRSG-H3218 Honors-Child-Adult Nursing II **8 Credits**
LECTURE WILL COVER TOPICS RELATED TO NURSING CARE OF CHILDREN AND ADULTS WHO HAVE OXYGENATION, METABOLIC, AND ELIMINATION PROBLEMS. CLINICAL EXPERIENCE FOCUS ON CLIENT-CENTERED CARE, COMMUNICATION AND COLLABORATION, INFORMATICS, EVIDENCE-BASED PRACTICE AND

QUALITY AND SAFETY CONCEPTS APPLIED TO COMPLEX CLIENTS AND TEAM NURSING. TRAVEL REQUIRED. Required Previous: NRSG-3118 grade of a C or higher

NRSG-H4164 Honors-Nursing-Childbearing Family **4 Credits**
A COMPREHENSIVE APPROACH TO FAMILY NURSING WITH AN EMPHASIS ON CLIENT-CENTERED CARE, EVIDENCE-BASED PRACTICE, PRIORITIZATION, COMMUNICATION AND COLLABORATION. CLINICAL WILL FOCUS ON CULTIVATING CRITICAL THINKING SKILLS AND APPLYING PROFESSIONAL NURSING PRACTICE. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-H4214 Honors-Psychiatric Mental Health Nursing **4 Credits**
FOCUSES ON BEHAVIORAL AND PSYCHO-DYNAMIC CONCEPTS AND THEORIES, TOGETHER WITH THEIR APPLICATIONS, AND THE THERAPEUTIC USE OF SELF TO MODIFY EMOTIONAL AND/OR PSYCHIATRIC DISEQUILIBRIUM AND PROMOTE MENTAL HEALTH IN INDIVIDUALS, FAMILIES AND COMMUNITIES. CULTIVATES CRITICAL THINKING AND PROFESSIONAL PRACTICE. LABORATORY/CLINICAL HOURS AND TRAVEL REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-H4283 Honors-Community Health Nursing **3 Credits**
FOCUS ON PRINCIPLES AND PRACTICES OF COMMUNITY HEALTH NURSING AS APPLIED TO HEALTH PROMOTION AND THE DISEASE PREVENTION NEEDS OF INDIVIDUALS, FAMILIES, AND COMMUNITIES IN VARIOUS SETTINGS AND ACROSS THE CONTINUUM OF HEALTH CARE ENVIRONMENTS FROM LOCAL TO GLOBAL PERSPECTIVES. LECTURE AND LABORATORY/ CLINICAL TIME REQUIRED. TRAVEL ALSO REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.

NRSG-H4375 Honors-Med-Surg Nursing III **5 Credits**
THIS IS A CONTINUATION OF NRSG 3118 & NRSG 3218. LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN IN ACUTE AND CHRONIC HEALTH SITUATIONS. WITH INCREASED COMPLEXITY, CONTINUED FOCUS WILL T BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, EFFECTIVE USE OF INFORMATICS SYSTEMS, CONTINUED DEVELOPMENT OF CRITICAL THINKING SKILLS, AND INCREASED FOCUS ON PRIORITIZATION AND DELEGATION, PROFESSIONAL NURSING PRACTICE, AND THE CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTI

PHILOSOPHY (PHIL)

PHIL-2003 Being, Knowing, Doing: Intro to Phil Philosophy **3 Credits**
THIS SURVEY OF PHILOSOPHY ACQUAINTS STUDENTS WITH FIGURES AND WORKS IN THE DISCIPLINE RANGING FROM THE ANCIENT PERIOD TO THE PRESENT. IT RELATES FIGURES AND WORKS BY DEMONSTRATING THE WAY IN WHICH THEORIES REGARDING THE ULTIMATE NATURE OF REALITY (METAPHYSICS) INFLUENCE THEORIES OF KNOWLEDGE (EPISTEMOLOGY) AND THEORIES OF PERSONAL AND SOCIAL CONDUCT (ETHICS).

PHIL-2013 Faith, Freedom, Fate: Intro to Philosoph To Philosophy of Religion **3 Credits**
THIS CLASS PROVIDES STUDENTS WITH AN INTRODUCTION TO PHILOSOPHY AND TO THE PHILOSOPHY OF RELIGION. THE PHILOSOPHY OF RELIGION CONSIDERS THE NATURE OF RELIGIOUS EXPERIENCE AND CLASSIC AND CONTEMPORARY ARGUMENTS FOR TRADITIONAL ARTICLES OF FAITH. THE COURSE EXAMINES RELIGIOUS PHENOMENON, SUCH AS PRAYER, AS WELL AS CLASSICAL WORKS WHERE PHILOSOPHY HAS BEEN EMPLOYED TO ACHIEVE RELIGIOUS ENDS.

PHIL-2023 Self, Society, Justice: Intro to Philoso To Social Philosophy and Ethics **3 Credits**
THIS CLASS PROVIDES STUDENTS WITH AN INTRODUCTION TO SIGNIFICANT AREAS IN PHILOSOPHY INCLUDING IDENTITY THEORY, SOCIAL AND POLITICAL THEORY, AND MORAL PHILOSOPHY. DRAWING FROM CLASSICAL TO CONTEMPORARY SOURCES, IT ENGAGES DEEPLY PHILOSOPHICAL QUESTIONS, INCLUDING: WHO AM I WHO ARE WE AND HOW SHOULD WE LIVE TOGETHER

PHIL-2033 Truth, Goodness, Beauty: Intro to Philos Introduction to the Philosophy of Art **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE PHILOSOPHY OF ART OR AESTHETICS. AESTHETICS REFERS TO THE PHILOSOPHIC DISCIPLINE THAT STUDIES THINGS ASSOCIATED WITH TASTE, MOST NOTABLY ART. READINGS INCLUDE WORKS FROM PROMINENT FIGURES IN AESTHETICS RANGING FROM CLASSIC FIGURES SUCH AS PLATO TO CONTEMPORARY FIGURES SUCH AS MARTHA NUSSBAUM.

PHIL-4981 Seminar in Philosophy **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4982 Seminar in Philosophy **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4983 Seminar in Philosophy **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4984 Seminar in Philosophy **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4991 Individual Study in Philosophy **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4992 Individual Study in Philosophy **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4993 Individual Study in Philosophy **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4994 Individual Study in Philosophy **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYSICAL SCIENCE (PHSCI)

PHSCI-0001 Concepts in Natural Sciences Supplement **1 Credit**
A LECTURE/LAB COURSE WITH A FOCUS ON THE DEVELOPMENT OF AN UNDERSTANDING OF FUNDAMENTAL CONCEPTS IN THE NATURAL SCIENCES, WHICH INCLUDE LIFE SCIENCE AND PHYSICAL SCIENCE. THIS COURSE IS DESIGNED AS A SUPPLEMENT COURSE TO BE TAKEN BY STUDENTS TO COMPLETE THEIR COLLEGE ENTRANCE REQUIREMENTS, AND SHOULD ACCOMPANY ONE OF THE GENERAL EDUCATION SCIENCE COURSES IN THE BIOLOGY AND ENVIRONMENTAL SCIENCES OR PHYSICAL SCIENCES DEPARTMENT. TOPICS INCLUDE THE SCIENTIFIC METHOD, DEPENDENT AND INDEPENDENT VARI

PHSCI-1114 General Physical Science **4 Credits**
STUDENT PARTICIPATION ORIENTED LECTURE-LABORATORY COURSE DESIGNED TO ASSIST THE STUDENT IN INTERPRETING THE PHYSICAL ENVIRONMENT. A STUDY OF IMPORTANT TOPICS IN PHYSICS, CHEMISTRY AND ASTRONOMY. THIS COURSE DOES NOT APPLY ON MAJOR OR MINOR IN PHYSICS OR CHEMISTRY, AND IS NOT DESIGNED TO BE TAKEN BY STUDENTS WHO WILL COMPLETE COURSES IN THESE FIELDS. Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

PHSCI-1114L General Physical Science Lab **0 Credits**
LAB COURSE FOR PHSCI 1114.

PHSCI-4013 Methods of Teaching the Physical Sciences **3 Credits**
PHILOSOPHY, METHODOLOGY AND RESOURCES FOR TEACHING HIGH SCHOOL CHEMISTRY AND PHYSICS.

PHYSICS EDUCATION (PHYED)

PHYED-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYSICS (PHYS)

PHYS-1114 General Physics I **4 Credits**
BEGINNING COURSE IN MECHANICS AND THERMODYNAMICS. 3 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1114 AND PHYS 2115.) Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

PHYS-1114L General Physics I Lab **0 Credits**
LAB COURSE FOR PHYS 1114. Required Previous: MATH-1513 or departmental approval

PHYS-1214 General Physics II **4 Credits**
BEGINNING COURSE IN ELECTRICITY, MAGNETISM, WAVES AND SOUND, AND OPTICS. 3 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1214 AND PHYS 2225.) Required Previous: PHYS-1114

PHYS-1214L General Physics II Lab **0 Credits**
LAB COURSE FOR PHYS 1214. Required Previous: PHYS-1114

PHYS-1314 Astronomy **4 Credits**
A NON-MATHEMATICAL TREATMENT OF INTRODUCTORY ASTRONOMY. TOPICS OF INTEREST INCLUDE A STUDY OF THE CONSTELLATIONS, THEORIES OF PLANETARY MOTION, THEORIES OF EVOLUTION OF THE UNIVERSE, AND SUCH EXTRAGALACTIC OBJECTS AS NEBULAE, STAR CLUSTERS, VARIABLE STARS, BINARY STARS AND QUASISTELLAROBJECTS. LABORATORY WORK INCLUDED. Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

PHYS-2115 Engineering Physics I **5 Credits**
VECTORS, KINEMATICS AND DYNAMICS OF PARTICLES, WORK AND ENERGY SYSTEMS OF PARTICLES, ROTATIONAL KINEMATICS AND DYNAMICS, GRAVITATION, FLUID MECHANICS AND HEAT. 4 HOURS LECTURE, 2 HOURS LABORATORY. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1114 AND PHYS 2115) Required Previous: MATH-2825

PHYS-2115L Engineering Physics I Lab **0 Credits**
LAB COURSE FOR PHYS 2115. Required Previous: MATH-2825

PHYS-2225 Engineering Physics II **5 Credits**
THERMODYNAMICS, VIBRATIONS, WAVES AND SOUND, ELECTRICITY, MAGNETISM, OPTICS, AND RADIOACTIVITY. 4 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1214 AND PHYS 2225.) Required Previous: MATH-3025

PHYS-2225L Engineering Physics II Lab **0 Credits**
LAB COURSE FOR PHYS 2225.

PHYS-2812 Calculus Applications in Physics **2 Credits**
APPLICATIONS OF DIFFERENTIAL AND INTEGRAL CALCULUS TO SELECTED TOPICS IN MECHANICS, THERMODYNAMICS, WAVES, ELECTRICITY, AND MAGNETISM. Required Previous: PHYS-1114

PHYS-2881 Special Studies in Physics- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-2882 Special Studies in Physics- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-2883 Special Studies in Physics- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-2884 Special Studies in Physics- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-3013 Modern Physics 3 Credits
THE QUANTUM THEORY, BORH'S THEORY OF THE HYDROGEN ATOM, EINSTEIN'S THEORY OF RELATIVITY. Required Previous: PHYS-2225

PHYS-3113 Mechanics I 3 Credits
LINEAR MOTION, MOMENTUM, POTENTIAL THEORY, CONSERVATIVE FORCES. Required Previous: PHYS-2115

PHYS-3123 Mechanics II 3 Credits
LANGRANGIAN AND HAMILTONIAN MECHANICS. Required Previous: PHYS-3113

PHYS-3213 Basic Electronics 3 Credits
AN INTRODUCTORY COURSE IN ELECTRONICS WHICH COVERS SUCH TOPICS AS DIGITAL ELECTRONICS, CIRCUIT THEORY, SOLID STATE THEORY, COMMONLY USED INTEGRATED CIRCUITS, ANALOG TO DIGITAL CONVERSION, MICROPROCESSOR BASICS, AND POWER SUPPLIES. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3221 Basic Electronics Laboratory 1 Credit
BASIC EXPERIMENTS IN ANALOG AND DIGITAL ELECTRONICS TO ACCOMPANY PHYS 3213 BASIC ELECTRONICS. Required Previous or Concurrent: Take PHYS-3213

PHYS-3222 Medical Physics 2 Credits
INTENDED FOR THOSE INTERESTED IN MEDICAL PHYSICS, RADIOLOGY, PRE-MEDICINE, AND BIOLOGY. INTRODUCTION TO X-RAYS, MAGNETIC RESONANCE IMAGING, COMPUTED TOMOGRAPHY, ULTRASOUND, NUCLEAR MEDICINE, GAMMA KNIFE, RADIATION THERAPY, RADIOISOTOPES, AND BRACHYTHERAPY. VARIOUS CAREERS IN MEDICAL PHYSICS AND MEDICINE WILL ALSO BE EXAMINED AS WELL AS THE PREPARATION REQUIRED IN THESE FIELDS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3412 Junior Physics Laboratory 2 Credits
ADVANCED EXPERIMENTS IN CLASSICAL AND MODERN PHYSICS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3511 Junior Physics Laboratory 1 Credit
PRINCIPALLY ELECTRICITY AND LIGHT, VARIED AS NECESSARY. OPEN TO UNDERGRADUATES ONLY. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3611 Ultrasound Physics Laboratory 1 Credit
LABORATORY COURSE IN ULTRASOUND PHYSICS WHICH COVERS GENERAL DESIGN AND FUNCTION OF TRANSDUCERS, ECHO SIGNAL DESCRIPTION, MEASURING DEPTH IN TIME, DEPTH, BUILD, AND MOTION MODES, FOURIER TRANSFORM CALCULATIONS OF FREQUENCY, EFFECTS OF SOUND IN VARIOUS MEDIA, CALCULATION OF VARIOUS PROPERTIES OF MATTER USING SOUNDWAVES, USE OF PHANTOMS IN IMAGING, PROPAGATION OF SOUND IN MATTER, USE OF CONTINUOUS AND PULSED WAVE TRANSDUCERS, AND DELIVERY OF ENERGY VIA SOUND WAVES. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3713 Thermodynamics 3 Credits
PROPERTIES OF SUBSTANCES AND PRINCIPLES GOVERNING CHANGES IN FORM OF ENERGY. FIRST AND SECOND LAWS. Required Previous: PHYS-2225

PHYS-3813 Optics 3 Credits
GEOMETRICAL AND PHYSICAL OPTICS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-4113 Electricity & Magnetism-Field Theory 3 Credits
ELECTRIC AND MAGNETIC FIELDS. GAUSS'S THEOREM, POTENTIAL THEORY, MAXWELL'S EQUATIONS. Required Previous: PHYS-2225

PHYS-4222 X-Ray and Nuclear Physics Laboratory 2 Credits
COURSE INVOLVES LABORATORY EXPERIENCE IN THE STUDY OF GAMMA SPECTROSCOPY USING A NAI DETECTOR, X-RAY DIFFRACTION STUDIES, AND OTHER NUCLEAR PHYSICS TOPICS. Required Previous: PHYS-3013

PHYS-4313 Introduction to Nuclear Physics 3 Credits
NUCLEAR DISINTEGRATIONS, NUCLEAR STRUCTURE, NEUTRON PHYSICS. Required Previous: PHYS-3013

PHYS-4413 Advanced Electronics 3 Credits
A CONTINUATION OF THE TOPICS INTRODUCED IN PHYS 3213 BASIC ELECTRONICS. Required Previous: PHYS-4113

PHYS-4513 Quantum Mechanics 3 Credits
THE SCHRODINGER EQUATION, ITS STATISTICAL INTERPRETATION, PHYSICAL MEANING OF QUANTUM MECHANICS. Required Previous: PHYS-3013

PHYS-4713 Mathematical Physics 3 Credits
FUNCTIONS OF A REAL VARIABLE, ELLIPTIC FUNCTIONS, BESSEL FUNCTIONS, THEORY OF INTEGRATION, FOURIER SERIES AND THE LAPLACE TRANSFORM. Required Previous: PHYS-3113

PHYS-4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-5214 Theoretical Mechanics **4 Credits**
THE HAMILTONIAN EQUATIONS, LAGRANGE'S FORMULATION, CANONICAL TRANSFORMATIONS AND RELATIVITY MECHANICS. Required Previous: PHYS-3123

PHYS-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-H1314 Honors-Astronomy **4 Credits**
A NON-MATHEMATICAL TREATMENT OF INTRODUCTORY ASTRONOMY. TOPICS OF INTEREST INCLUDE A STUDY OF THE CONSTELLATIONS, THEORIES OF PLANETARY MOTION, THEORIES OF EVOLUTION OF THE UNIVERSE, AND SUCH EXTRAGALACTIC OBJECTS AS NEBULAE, STAR CLUSTERS, VARIABLE STARS, BINARY STARS AND QUASISTELLAR OBJECTS. LABORATORY WORK INCLUDED.

PHYS-H2225 Honors-Engineering Physics II **5 Credits**
THERMODYNAMICS, VIBRATIONS, WAVES AND SOUND, ELECTRICITY, MAGNETISM, OPTICS, AND RADIOACTIVITY. 4 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1214 AND PHYS 2225.) Required Previous: MATH-3025

PHYS-H3013 Honors-Modern Physics **3 Credits**
THE QUANTUM THEORY, BORH'S THEORY OF THE HYDROGEN ATOM, EINSTEIN'S THEORY OF RELATIVITY. Required Previous: PHYS-2225

PHYS-H3123 Honors-Mechanics II **3 Credits**
LANGRANGIAN AND HAMILTONIAN MECHANICS Required Previous: PHYS-3113

PHYS-H3213 Honors-Basic Electronics **3 Credits**
AN INTRODUCTORY COURSE IN ELECTRONICS WHICH COVERS SUCH TOPICS AS DIGITAL ELECTRONICS, CIRCUIT THEORY, SOLID STATE THEORY, COMMONLY USED INTEGRATED CIRCUITS, ANALOG TO DIGITAL CONVERSION, MICROPROCESSOR BASICS, AND POWER SUPPLIES. Required Previous: PHYS-1214 or PHYS-2225

PHYS-H3813 Honors- Optics **3 Credits**
GEOMETRICAL AND PHYSICAL OPTICS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-H4113 Honors-Electricity & Magnetism-Fld Theor y **3 Credits**
ELECTRIC AND MAGNETIC FIELDS. GAUSS'S THEOREM, POTENTIAL THEORY, MAXWELL'S EQUATIONS. Required Previous: PHYS-2225

PHYS-H4313 Honors-Introduction to Nuclear Physics **3 Credits**
NUCLEAR DISINTEGRATIONS, NUCLEAR STRUCTURE, NEUTRON PHYSICS. Required Previous: PHYS-3013

PHYS-H4991 Honors-Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-S4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-S5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-S5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

POLITICAL SCIENCE (PS)

PS-1113 US Government **3 Credits**
ORIGIN, ORGANIZATION, FORM, FUNCTIONS AND FUNCTIONING OF THE U.S. GOVERNMENT, INCLUDING POLITICAL PARTIES.

PS-2113 Intro to Political Science **3 Credits**
THE ORIGIN, NATURE, AND FUNCTION OF GOVERNMENT, PRINCIPLES AND METHODS OF POLITICAL ORGANIZATION AND DEVELOPMENT.

PS-2213 U.S. Government Issues and Politics **3 Credits**
A STUDY OF THE DOMESTIC POLICIES OF THE NATIONAL GOVERNMENT, WITH PARTICULAR EMPHASIS GIVEN TO ISSUES AND POLICIES OF THE PERIOD SINCE THE NEW DEAL OF THE 1930'S.

PS-2881 Special Studies in Government **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-2882 Special Studies in Government **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-2883 Special Studies in Government **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-2884 Special Studies in Government **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-3163 Political Science Research Methods **3 Credits**
THE FOCUS OF THIS COURSE IS THE SCOPE AND METHODS OF POLITICAL SCIENCE RESEARCH. IT CONCERNS THE SCIENCE PART OF POLITICAL SCIENCE, SPECIFICALLY, HOW TO APPLY THE SCIENTIFIC METHOD TO POLITICAL RESEARCH BY DEVELOPING THEORETICAL EXPLANATIONS OF POLITICAL PHENOMENA AND EMPIRICALLY TESTING THESE THEORETICAL EXPLANATIONS. THE GOAL OF THE COURSE IS TO ENABLE STUDENTS TO COMPLETE SIGNIFICANT POLITICAL SCIENCE RESEARCH PROJECTS.

PS-3173 Campaigns and Elections **3 Credits**
THIS COURSE WILL EXAMINE THE BEHAVIOR OF CANDIDATES AND VOTERS IN AMERICAN LOCAL, STATE, AND FEDERAL ELECTIONS. A FOCUS WILL BE PLACED ON HOW TO RUN A POLITICAL CAMPAIGN, INCLUDING CAMPAIGN STRUCTURE, FIELD OPERATIONS, PRECINCT ORGANIZATION, SCHEDULING, VOTER TARGETING, AND BUDGETS. THE ROLE OF THE PRESS, MONEY IN POLITICS, AND THE INCREASING INFLUENCE OF POLITICAL CONSULTANTS WILL ALSO BE COVERED.

PS-3183 Women in Politics **3 Credits**
THIS COURSE FOCUSES ON THE ROLE OF WOMEN IN UNITED STATES POLITICS AND IN THE GLOBAL CONTEXT. TOPICS INCLUDE THE EXPANSION OF WOMEN'S RIGHTS AND ROLES, FEMINIST THEORY, AND BARRIERS TO EQUALITY.

PS-3193 Tribal Politics **3 Credits**
THIS COURSE WILL SURVEY TRIBAL GOVERNMENT AND POLITICS IN THE UNITED STATES WITH A SPECIAL EMPHASIS ON THE INTERGOVERNMENTAL RELATIONSHIPS AMONG TRIBAL, LOCAL, STATE, AND FEDERAL GOVERNMENTS.

PS-3413 The U.S. Legislatures **3 Credits**
CURRENT PRACTICES OF THE UNITED STATES CONGRESS AND STATE LEGISLATIVE BODIES, EMPHASIS ON CONSTITUTIONAL DEVELOPMENTS WHICH HAVE SHAPED THE ORGANIZATION, PROCEDURES AND OPERATIONS OF U.S.LEGISLATURES, AND ON THE RELATIONSHIP OF THE LEGISLATIVE AND THE OTHER TWO MAJOR DEPARTMENTS OF GOVERNMENT.

PS-3523 Political Philosophy **3 Credits**
SELECTED POLITICAL PHILOSOPHERS FROM SOCRATES TO HEGEL. THIS COURSE WILL SURVEY MAJOR POLITICAL PHILOSOPHERS THROUGH THE MIDDLE AGES.

PS-3613 U.S. Political Thought **3 Credits**
A SURVEY OF THE MAJOR DEVELOPMENTS IN U.S. POLITICAL THOUGHT FROM THE COLONIAL PERIOD TO THE PRESENT, WITH SOME COMPARISON WITH MAJOR CONTINENTIAL IDEAS.

PS-3633 The U.S. Presidency **3 Credits**
THE POLITICS OF PRESIDENTIAL SELECTION, THE AUTHORITY OF THE OFFICE, THE PROCESSES OF FORMULATING AND EXECUTING PUBLIC POLICY, AND THE INFLUENCE OF PERSONALITY ON PERFORMANCE.

PS-3723 Oklahoma Politics **3 Credits**
THIS COURSE WILL SURVEY OKLAHOMA POLITICAL INSTITUTIONS AND POLITICAL HISTORY. TOPICS INCLUDE THE THREE BRANCHES OF OKLAHOMA STATE GOVERNMENT, ELECTIONS, AND POLITICAL CULTURE.

PS-3823 Introduction to Public Management **3 Credits**
AN INTRODUCTION TO THEORY & PRACTICE IN THE MANAGEMENT OF PUBLIC AFFAIRS. PARTICULAR EMPHASIS IS PLACED UPON SEVERAL THEMES & CONCEPTUAL PROBLEMS CONSISTENTLY APPEARING IN THE PROFESSIONAL LITERATURE OF PUBLIC ADMINISTRATION (E.G., ECOLOGY OF ADMINISTRATION, BUREAUCRATIC EFFICIENCY, ADMINISTRATIVE RESPONSIVENESS & RESPONSIBILITY). SELECTED STUDIES & WORKS OF FICTION MAY BE UTILIZED WHERE APPROPRIATE.

PS-3913 International Relations **3 Credits**
AN IN-DEPTH ANALYSIS OF THE ACTORS AND THEIR RELATIONSHIPS WITHIN THEGLOBAL COMMUNITY, THE IMPORTANCE AND LIMITATIONS OF POWER IN THE CONTEMPORARY WORLD.

PS-4113 Political Parties **3 Credits**
A SURVEY OF THE ORIGIN AND DEVELOPMENT OF POLITICAL PARTIES IN THE UNITED STATES, STUDY OF CONTEMPORARY PARTY ORGANIZATIONS AND ISSUES.

PS-4163 Post-Soviet Bloc Politics **3 Credits**
A STUDY OF THE GOVERNMENT AND POLITICS OF STATES IN POST-SOVIET CENTRAL AND EASTERN EUROPE. PRIMARY CONSIDERATION WILL BE GIVEN TO POST-SOVIET RUSSIA.

PS-4353 Study of War **3 Credits**
AN INVESTIGATION INTO THE NATURE AND CAUSES OF WAR WITHIN THE GLOBAL ARENA. VARIOUS TYPES OF WARS WILL BE IDENTIFIED AND ANALYZED.

PS-4433 Public Policy Making **3 Credits**
AN EXAMINATION OF VARIOUS MODELS OF PUBLIC POLICY MAKING, LEADING TO THE ANALYSIS OF VARIOUS PROBLEMS CONFRONTING GOVERNMENT. THE COURSE IS CONCERNED WITH INTEREST GROUPS WHICH INFLUENCE POLICY MAKING, THE PROCESSES (GOVERNMENTAL, INSTITUTIONAL, AND ENVIRONMENTAL) THROUGH WHICH POLICIES FLOW, THE FINAL CONCLUSIONS OF POLICY MAKING, AND THE IMPACT OF SOCIETY.

PS-4513 Modern Political Thought **3 Credits**
THIS COURSE WILL START WITH JOHN LOCKE AND PURSUE POLITICAL PHILOSOPHY DOWN TO THE PRESENT, INCLUDING THE RECENT IDEAS AND HISTORICAL FACTORS RESULTING IN LIBERALISM, SOCIALISM, COMMUNISM, AND FASCISM.

PS-4823 U.S. Foreign Policy **3 Credits**
A STUDY OF THE U.S. FOREIGN POLICY ESTABLISHMENT. AN INVESTIGATION OF THE VARIOUS FACTORS THAT INFLUENCE THE MAKING AND THE IMPLEMENTATION OF U.S. FORIEGN POLICY. ATTENTION WILL BE FOCUSED ON THE PURPOSE AND OBJECTIVES OF U.S. FOREIGN POLICY, EXPECIALLY SINCE 1945.

PS-4883 Political Science Capstone **3 Credits**
THIS CAPSTONE SEMINAR COURSE SERVES AS THE FINAL COURSE FOR THE POLITICAL SCIENCE MAJOR. STUDENTS WILL CONCENTRATE ON PRACTICAL SKILLS SUCH AS PROJECT MANAGEMENT, REPORT WRITING, SURVEY CONSTRUCTION AND DATA ANALYSIS, ORAL COMMUNICATION, AND GRANT WRITING. Required Previous: PS-1113

PS-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4984 Seminar- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4991 Individual Studies- 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-5312 Current Topics- 2 Credits
THE STUDY OF A SELECTED TOPIC OF GENERAL INTEREST IN GOVERNMENT, DOMESTIC OR FOREIGN. THIS COURSE IS DESIGNED PRIMARILY AS GENERAL EDUCATION FOR GRADUATE STUDENTS.

PS-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS

PS-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS1

PS-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS

PS-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS

PS-A4941 Intrnship-American Govt 1 Credit
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OFPUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4942 Internship-American Govt 2 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4943 Internship-American Govt 3 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4944 Internship-American Govt 4 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4945 Internship-American Govt 5 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4946 Internship-American Govt 6 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-H1113 Honors-U.S. Government **3 Credits**
ORIGIN, ORGANIZATION, FORM, FUNCTIONS AND FUNCTIONING OF THE U.S. GOVERNMENT, INCLUDING POLITICAL PARTIES.

PS-H2883 Honors-Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-H3113 Honors-Cont Law:iss Natl Pwr **3 Credits**
A STUDY OF THE POWERS OF THE FEDERAL COURTS, THE CONGRESS, THE PRESIDENT, AND THE DISTRIBUTION OF AUTHORITY BETWEEN THE NATIONAL AND STATE GOVERNMENTS, CONTRACTS, THE COMMERCE AND TAX POWERS, AS THESE RELATE TO GOVERNMENT REGULATION OF THE NATIONAL ECONOMY, AND THE 14TH AMENDMENT.

PS-H3133 Honors-Civ Rights & Liberties I **3 Credits**
STUDIES U.S. SUPREME COURT DECISIONS AND THE POLITICS SURROUNDING THEM DEALING WITH THE EQUAL PROTECTION OF WOMEN'S RIGHTS AND CRIMINAL RIGHTS.THE RIGHT OF PRIVACY IS ALSO PART OF THE CASE BRIEFING AND DISCUSSION IN VOLVED IN THIS COURSE.

PS-H3183 Honors-Women in Politics **3 Credits**
THIS COURSE FOCUSES ON THE ROLE OF WOMEN IN UNITED STATES POLITICS AND IN THE GLOBAL CONTEXT. TOPICS INCLUDE THE EXPANSION OF WOMEN'S RIGHTS AND ROLES, FEMINIST THEORY, AND BARRIERS TO EQUALITY.

PS-H3523 Honors-Political Philosophy **3 Credits**
SELECTED POLITICAL PHILOSOPHERS FROM SOCRATES TO HEGEL. THIS COURSE WILLSURVEY MAJOR POLITICAL PHILOSOPHERS THROUGH THE MIDDLE AGES.

PS-H3613 Honors-U.S. Political Thought **3 Credits**
A SURVEY OF THE MAJOR DEVELOPMENTS IN U.S. POLITICAL THOUGHT FROM THE COLONIAL PERIOD TO THE PRESENT, WITH SOME COMPARISON WITH MAJOR CONTINENTAL POLITICAL IDEAS.

PS-H3823 Honors-Intro to Publ Mgmt **3 Credits**
AN INTRODUCTION TO THEORY & PRACTICE IN THE MANAGEMENT OF PUBLIC AFFAIRS. PARTICULAR EMPHASIS IS PLACED UPON SEVERAL THEMES & CONCEPTUAL PROBLEMS CONSISTENTLY APPEARING IN THE PROFESSIONAL LITERATURE OF PUBLIC ADMINISTRATION (E.G., ECOLOGY OF ADMINISTRATION, BUREAUCRATIC EFFICIENCY, ADMINISTRATIVE RESPONSIVENESS & RESPONSIBILITY). SELECTED STUDIES & WORKS OF FICTION MAY BE UTILIZED WHERE APPROPRIATE.

PS-H3913 Honors-International Relations **3 Credits**
AN IN-DEPTH ANALYSIS OF THE ACTORS AND THEIR RELATIONSHIPS WITHIN THEGLOBAL COMMUNITY, THE IMPORTANCE AND LIMITATIONS OF POWER IN THE CONTEMPORARY WORLD.

PS-H4433 Honors-Public Policy Makng **3 Credits**
AN EXAMINATION OF VARIOUS MODELS OF PUBLIC POLICY MAKING, LEADING TO THEANALYSIS OF VARIOUS PROBLEMS CONFRONTING GOVERNMENT. THE COURSE IS CONCERNED WITH INTEREST GROUPS WHICH INFLUENCE POLICY MAKING, THE PROCESSES (GOVERNMENTAL, INSTITUTIONAL, AND ENVIRONMENTAL) THROUGH WHICH POLICIESFLOW, THE FINAL CONCLUSIONS OF POLICY MAKING, AND THE IMPACT OF SOCIETY.

PS-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PBOBLEM.

PS-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-H4994 Honors-Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-S4981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-S5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-S5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

POLITICAL SCIENCE COMMUNICATION (PSCOM)

PSCOM-3863 Mass Media and U.S. Politics **3 Credits**
AN EXAMINATION AND ASSESSMENT OF THE POWER AND INFLUENCE OF THE MASS MEDIA IN U.S. POLITICS, EMPHASIS WILL BE CENTERED ON THE MEDIUM OF TELELVISION. Required Previous: Take PS-1113 or departmental approval

PSCOM-H3863 Honors-Mass Media & Us Politics **3 Credits**
AN EXAMINATION AND ASSESSMENT OF THE POWER AND INFLUENCE OF THE MASS MEDIA IN U.S. POLITICS, EMPHASIS WILL BE CENTERED ON THE MEDIUM OF TELEVISION. Required Previous: PS-1113 or departmental approval

PSYCHOLOGY (PSYCH)

PSYCH-1113 General Psychology **3 Credits**
A SURVEY OF THE MAJOR AREAS IN PSYCHOLOGY INCLUDING MOTIVATION, PERCEPTION, LEARNING, MEMORY AND COGNITION, PHYSIOLOGY, PERSONALITY, SOCIAL PSYCHOLOGY, AND ABNORMAL BEHAVIOR AND TREATMENT.

PSYCH-2313 History and Systems of Psychology **3 Credits**
A SURVEY AND INTEGRATION OF PERIODS AND PRINCIPAL FIELDS OF PSYCHOLOGI-CAL THOUGHT, WITH EMPHASIS UPON THE EVOLUTION OF SCIENTIFIC METHOD ANDITS APPLICATION TO BEHAVIOR. Required Previous: PSYCH-1113

PSYCH-2403 Sociocultural Psychology **3 Credits**
THE SOCIOCULTURAL PERSPECTIVE IS A THEORY USED IN FIELDS SUCH AS PSYCHOLOGY AND IS USED TO DESCRIBE AWARENESS OF CIRCUMSTANCES SURROUNDING INDIVIDUALS AND HOW THEIR BEHAVIORS ARE AFFECTED SPECIFICALLY BY THEIR SURROUNDING SOCIAL, AND CULTURAL FACTORS. Required Previous: PSYCH-1113

PSYCH-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-3013 Industrial/Organizational Psychology **3 Credits**
A STUDY OF CONCEPTS, MODELS, AND ISSUES OR ORGANIZATIONAL BEHAVIOR INA MANNER THAT WILL HELP THE STUDENT TO DEVELOP THE CONCEPTIONAL INTER-PERSONAL AND COMMUNICATIVE SKILLS THAT ARE NEEDED FOR EFFECTIVE MANAGEMENT IN AN ORGANIZATION. Required Previous: PSYCH-1113

PSYCH-3023 Introduction to Health Psychology **3 Credits**
STUDY OF HOW BIOLOGICAL, PSYCHOLOGICAL, AND SOCIAL FACTORS INTERACT WITH AND AFFECT THE PROMOTION OF GOOD HEALTH AND THE PREVENTION OF ILLNESS. EMPHASIS IS PLACED ON HOW EFFECTIVELY PEOPLE COPE WITH AND REDUCE STRESS AND PAIN. THIS INCLUDES THE RECOVERY, REHABILITATION, AND PSYCHOSOCIAL ADJUSTMENT OF PATIENTS WITH SERIOUS HEALTH PROBLEMS. Required Previous: PSYCH-1113

PSYCH-3053 Introduction to Clinical and Counseling Psychology **3 Credits**
SURVEY OF THEORIES, MODELS, AND TECHNIQUES IN CLINICAL AND COUNSELING PSYCHOLOGY. STUDENTS WILL BE EXPOSED TO THE SCIENCE AND PRACTICE OF CLINICAL AND COUNSELING PSYCHOLOGY WITH AN EMPHASIS ON PROFESSIONAL ETHICS FOR PSYCHOLOGISTS. THE COURSE IS INTENDED TO PROVIDE INFORMATION FOR THOSE CONSIDERING A CAREER IN CLINICAL OR COUNSELING PSYCHOLOGY. Required Previous: PSYCH-1113

PSYCH-3063 Physiological Psychology **3 Credits**
INTRODUCTORY SURVEY OF THE PHYSIOLOGICAL CORRELATES OF BEHAVIOR. AMONG THE TOPICS DISCUSSED WILL BE HOW PHYSIOLOGY AND BIOCHEMISTRY MIGHT INTERACT WITH THE ENVIRONMENT TO PRODUCE CHANGES IN LEARNING, MOTIVATION, EMOTIONS, PERCEPTIONS, AND OTHER BEHAVIORS. Required Previous: PSYCH-1113

PSYCH-3093 Computer Software: Applications in Psychology **3 Credits**
THE COURSE IS AN INTRODUCTION TO THE APPLICATION OF MICROCOMPUTER SOFTWARE PERTINENT TO THE FIELD OF PSYCHOLOGICAL RESEARCH. EMPHASIS IS PLACEDON THE OPERATION AND UTILIZATION OF SOFTWARE FOR STATISTICAL ANALYSIS AND GRAPHIC PRESENTATION OF DATA. Required Previous: PSYCH-3833 or departmental approval.

PSYCH-3114 Experimental Psychology **4 Credits**
AN APPLIED STUDY OF THE PROCEDURES AND METHODS OF EXPERIMENTAL RESEARCH IN PSYCHOLOGY. THE PURPOSE OF THIS COURSE IS FOR STUDENTS TO PARTICIPATE IN THE PLANNING, DESIGNING AND COMPLETION OF AN EXPERIMENTAL RESEARCH PROJECT. Required Previous: PSYCH-1113

PSYCH-3463 Child and Adolescent Psychology **3 Credits**
A STUDY OF HUMAN DEVELOPMENT OF THE INDIVIDUAL FROM BIRTH THROUGH ADOLESCENCE WITH EMPHASIS ON APPLIED ISSUES IN PARENTING, EDUCATION, NURSING AND OTHER PROFESSIONAL HUMAN SERVICE FIELDS. Required Previous: PSYCH-1113

PSYCH-3613 Psychology of Learning and Cognition **3 Credits**
A COMPREHENSIVE STUDY OF THE PSYCHOLOGICAL THEORIES OF LEARNING AND COGNITION INCLUDING CURRENT ISSUES IN HUMAN AND ANIMAL BEHAVIOR. Required Previous: Take 5 credits; From Subject PSYCH

PSYCH-3703 Introduction to Human Sexuality **3 Credits**
THIS COURSE EXAMINES THE COMPLEX INTERPLAY OF PSYCHOLOGICAL, SOCIOCULTURAL, AND BIOLOGICAL FACTORS IN THE DEVELOPMENT AND EXPRESSION OF SEXUAL ATTITUDES AND BEHAVIORS. IT COVERS A WIDE VARIETY OF TOPICS, INCLUDING THE MAJOR PSYCHOLOGICAL THEORIES OF SEXUALITY, PATTERNS OF SEXUAL AROUSAL AND RESPONSE, THE DEVELOPMENT OF GENDER AND GENDER IDENTITY, VARIATIONS IN SEXUAL ORIENTATION, ATTRACTION PROCESSES AND ROMANTIC LOVE, SEXUAL DYSFUNCTIONS AND SEX THERAPY, TYPICAL AND ATYPICAL SEXUAL BEHAVIORS, A Required Previous: Take PSYCH-1113

PSYCH-3833 Behavioral Science Statistics **3 Credits**
THE COURSE PROVIDES AN INTRODUCTION TO DESCRIPTIVE, INFERENTIAL, PARAMETRIC, AND NONPARAMETRIC STATISTICAL TECHNIQUES USED IN BEHAVIORAL SCIENCE RESEARCH. THESE TECHNIQUES WILL INCLUDE MEASURES OF CENTRAL TENDENCY, VARIABILITY, CORRELATION, REGRESSION ANALYSIS, T-TESTS, CHI SQUARE AND ANOVA. THE PURPOSE OF THE COURSE IS FOR STUDENTS TO DEVELOP COMPETENCIES IN CALCULATING BASIC STATISTICS, USING COMPUTERS FOR STATISTICAL ANALYSES, ENGAGING IN HYPOTHESIS TESTING, AND INTERPRETING THE STATISTICAL R Required Previous: MATH-1223 or MATH-1513 or departmental approval

PSYCH-3933 Writing and Design for Psychological Research **3 Credits**
THIS COURSE INTRODUCES WRITING AND DESIGN IN PSYCHOLOGICAL RESEARCH. THE PURPOSE OF THE COURSE IS FOR STUDENTS TO DEVELOP COMPETENCIES IN EXPERIMENTAL DESIGN, RESEARCH ETHICS, TECHNICAL REPORT WRITING USING APA STYLE, AND DATA ANALYSIS USING COMPUTER STATISTICAL PROGRAMS. Required Previous: PSYCH-1113

PSYCH-4001 Psychology Senior Seminar **1 Credit**
PSYCHOLOGY MAJORS WILL LEARN ABOUT THE VARIOUS CAREER OPTIONS THAT EXIST FOR THEM AND START TO CREATE A CAREER PLAN NECESSARY FOR THEM TO PURSUE A GRADUATE DEGREE OR WORK IN THE FIELD WITH A PSYCHOLOGY BACHELOR'S DEGREE.

PSYCH-4112 Psychology of Exceptional Children **2 Credits**
STUDY OF CHILDREN WHO DEVIATE SIGNIFICANTLY FROM THE NORMAL WITH REFER-ENCE TO INTELLECTUAL, SENSORY, PHYSICAL, AND NEURAL FUNCTIONING ANDBEHAVIOR WITH SPECIAL EMPHASIS ON UNDERSTANDING AND MODIFYING THE BEHAVIOR OF SUCH CHILDREN. THIS COURSE MAY NOT BE TAKEN FOR PSYCHOLOGY DEGREECREDIT.

PSYCH-4133 Abnormal Psychology **3 Credits**
STUDY OF BEHAVIOR LIKELY TO BE LABELED ABNORMAL WITH EMPHASIS ON FACTORSINVOLVED IN ACQUISITION MAINTENANCE, AND CHANGE OF SUCH BEHAVIOR. Required Previous: 5 hours of Psychology

PSYCH-4213 Psychology Tests and Measurements **3 Credits**
A STUDY OF PSYCHOLOGICAL TESTING PRINCIPLES AND PROCEDURES, WITH SPECIAL EMPHASIS ON INTELLIGENCE TESTS, APTITUDE TESTS, ACHIEVEMENT TESTS, IN-TEREST INVENTORIES, DEVELOPMENTAL SCALES, AND GROUP PERSONALITY TESTS. EXPERIENCE IS PROVIDED WITH TESTS COMMONLY USED FOR THE IDENTIFICATION,INTERVENTION, AND PLACEMENT OF EXCEPTIONAL INDIVIDUALS. Required Previous: 5 hours of Psychology

PSYCH-4323 Behavioral Management **3 Credits**
STUDY OF THE BASIC PRINCIPLES OF THE EXPERIMENTAL ANALYSIS OF BEHAVIOR.EMPHASIS ON BEHAVIOR AS AFFECTED BY ENVIRONMENTAL CONDITIONS. Required Previous: PSYCH-1113;

PSYCH-4413 Psychology of Personality **3 Credits**
THIS COURSE EXAMINES PERSONALITY PROCESSES AND THE VARIOUS THEORETICAL APPROACHES TO THE STUDY OF PERSONALITY INCLUDING PSYCHODYNAMIC, BEHAVIORAL, PHENOMENOLOGICAL, TRAIT, AND SOCIAL LEARNING THEORIES. Required Previous: PSYCH-1113;

PSYCH-4443 Child Development **3 Credits**
THE PHYSICAL, MENTAL, SOCIAL, AND EMOTIONAL DEVELOPMENT OF THE INDIVIDUAL FROM CONCEPTION THROUGH THE ONSET OF ADOLESCENCE WITH EMPHASIS ON PSYCHOLOGICAL THEORIES, DEVELOPMENTAL METHODOLOGY AND RESEARCH. Required Previous: PSYCH-1113;

PSYCH-4453 Adolescent Development **3 Credits**
THE PHYSICAL, MENTAL, SOCIAL AND EMOTIONAL DEVELOPMENT OF THE INDIVIDUAL FROM PUBERTY THROUGH THE ONSET OF YOUNG ADULTHOOD WITH EMPHASIS ON PSYCHOLOGICAL THEORIES, DEVELOPMENTAL METHODOLOGY, AND RESEARCH. Required Previous: PSYCH-1113;

PSYCH-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-5023 Advanced Social Psychology **3 Credits**
THIS COURSE PROVIDES AN IN-DEPTH STUDY OF THE INTERACTION OF HUMANS WITH THEIR SOCIAL ENVIRONMENT FOCUSING ON BOTH A MICRO AND MACRO SYSTEMS PERSPECTIVE WITH SPECIAL EMPHASIS ON THEORIES AND ISSUES IN APPLIED SOCIAL PSYCHOLOGY AND RESEARCH.

PSYCH-5043 Advanced Sport Psychology **3 Credits**
THIS COURSE INVOLVES THE APPLICATION AND SYNTHESIS OF THE BEST EVIDENCE-BASED PRACTICES IN SPORT PSYCHOLOGY THAT HAVE BEEN SHOWN TO RESULT IN OPTIMAL PERFORMANCE, HEALTH, AND SATISFACTION. THIS COURSE IS NOT AN APPROVED ELECTIVE FOR COUNSELING PSYCHOLOGY (0860) STUDENTS.

PSYCH-5063 Advanced Physiological Psychology **3 Credits**
AN IN-DEPTH ANALYSIS OF THE NEURAL AND ENDOCRINE COMPONENTS OF NORMAL AND ABNORMAL BEHAVIOR.

PSYCH-5083 Applied Sport Psychology **3 Credits**
THE COURSE IS DESIGNED TO PROVIDE STUDENTS IN AN APPLIED SETTING WITH THE ABILITY AND THEORETICAL BACKGROUND TO USE AND PRESCRIBE PSYCHOLOGICAL TECHNIQUES AND INTERVENTIONS TO ENHANCE PERFORMANCE IN SPORT AND OTHER DOMAINS (E.G., PERFORMING ARTS, MILITARY, BUSINESS). THIS INCLUDES THE USE OF COGNITIVE BEHAVIORAL STRATEGIES ALONG WITH OTHER MODELS OF PERFORMANCE ENHANCEMENT. Required Previous: EDPSY-5163;

PSYCH-5113 Theories of Personality and Human Behavior **3 Credits**
AN INTENSIVE STUDY OF THE PRINCIPLES OF HUMAN BEHAVIOR WITH EMPHASIS ON DESCRIPTION, UNDERSTANDING, PREDICTION, AND CONTROL OF BEHAVIOR.

PSYCH-5123 Projective Techniques **3 Credits**
ADVANCED TRAINING IN THE ADMINISTRATION, SCORING AND INTERPRETATION OFWIDELY USED PROJECTIVE TECHNIQUES OF PERSONALITY ASSESSMENT. MAJOREMPHASIS ON THE RORSCHACH INKBLOT TEST WITH ADDITIONAL TRAINING IN THE USE OF THE THEMATIC APPEREPTION TEST, INCOMPLETE SENTENCE BLANK ANDDRAWING TESTS.

PSYCH-5143 Statistics and Design in Applied Psychology **3 Credits**
MAJOR EMPHASIS WILL BE PLACED ON STUDENTS LEARNING THE APPLICATION OF STATISTICS WHEN READING, ANALYZING, AND DESIGNING RESEARCH IN APPLIED PSYCHOLOGY. Required Previous: EDPSY-5353;

PSYCH-5153 Research in Applied Psychology **3 Credits**
MAJOR EMPHASIS WILL BE ON STUDENT LEARNING HOW TO WRITE, AND ANALYZE, DESIGN, AND CONDUCT RESEARCH IN APPLIED PSYCHOLOGY. Required Previous: PSYCH-5143;

PSYCH-5173 Professional Orientation and Ethics in Clinical Psychology **3 Credits**
PROFESSIONAL AND ETHICAL ISSUES IN CLINICAL PSYCHOLOGY ARE CONSIDERED IN LIGHT OF GENERAL STANDARDS, EVALUATION, ASSESSMENT, INTERVENTION, ADVERTISING AND OTHER PUBLIC STATEMENTS, THERAPY, PRIVACY AND CONFIDENTIALITY, TEACHING, TRAINING SUPERVISION, RESEARCH, PUBLISHING, FORENSIC ACTIVITIES, AND RESOLVING ISSUES THAT INDIVIDUALS ENCOUNTER IN PROVIDING CLINICAL SERVICES TO CLIENTS AND THE PRINCIPLES THAT ARE INCORPORATED IN PROPERLY THINKING THROUGH HOW TO CONDUCT ONESELF WHEN SUCH SITUATIONS ARE

PSYCH-5183 Advanced Abnormal Psychology **3 Credits**
INTENSIVE STUDY OF BEHAVIORS LIKELY TO COME TO THE ATTENTION OF COUN-SELORS AND PSYCHOTHERAPISTS WITH EMPHASIS ON CLASSIFICATION, ETIOLOGYAND INTERVENTION. Required Previous: PSYCH-5113 or EDPSY-5163 or departmental approval

PSYCH-5193 Health Psychology **3 Credits**
THE COURSE WILL FOCUS ON THE OVERLAP OF PHYSIOLOGICAL AND PSYCHOLOGICAL HEALTH MODELS WITHIN A BIOPSYCHOSOCIAL APPROACH TO UNDERSTAND HOW BEST TO PROMOTE AND MAINTAIN HEALTH, PREVENT AND TREAT ILLNESS, ADAPT AND THRIVE IN THE CONTEXT OF CHRONIC ILLNESS, SUBSTANCE ABUSE CONCERNS, AS WELL AS MENTAL AND PHYSICAL HEALTH ISSUES.

PSYCH-5203 Applied Biomechanics **3 Credits**
THIS COURSE FOCUSES ON PHYSIOLOGICAL SCIENTIFIC STUDY OF HUMAN MOVEMENT, ANALYSIS OF FUNDMENTAL MOVEMENTS AND THE MECHANICAL PRINCIPLES THAT APPLY TO HUMAN MOTION AND TEACHING MOVEMENT SKILLS. EMPHASIS IS ON THE COGNITIVE BEHAVIORAL ASPECTS OF HOW SKILLED MOVEMENT IS GAINED, REGULATED, AND ADAPTED. THIS COURSE IS NOT AN APPROVED ELECTIVE FOR COUNSELING PSYCHOLOGY (0860) STUDENTS. Required Previous: PSYCH-5063

PSYCH-5213 Life Coaching and Career Counseling **3 Credits**
THE COURSE PROVIDES AN UNDERSTANDING OF CAREER DEVELOPMENT AND RELATED LIFE FACTORS. STUDENTS WILL DEVELOP LIFE COACHING AND CAREER COUNSELING SKILLS BY EXAMINING MAJOR CAREER THEORIES AND MODELS AS WELL AS THE WAYS CLIENTS' ATTITUDES, APTITUDES, SOCIAL INTERESTS, AND FAMILY RESPONSIBILITIES IMPACT LIFESTYLE CHANGES AND CAREER DECISIONS. Required Previous: PSYCH-5113 or EDPSY-5163

PSYCH-5233 Intro to Counseling **3 Credits**
STUDY OF PRINCIPLES, PHILOSOPHIES, AND SERVICES BASIC TO ORGANIZATIONAND ADMINISTRATION OF GUIDANCE PROGRAMS. EXAMINATIONS AND EVALUATION OFMETHODS AND DEVICES FOR OBTAINING INFORMATION NECESSARY TO GUIDANCE SERVICES.

PSYCH-5313 Advanced Educational Psychology **3 Credits**
PRINCIPLES OF LEARNING, DEVELOPMENT, AND SOCIAL FACTORS INFLUENCING LEARNING MOTIVATION AND ACHIEVEMENT. THEORETICAL PERSPECTIVES AND RESEARCH REGARDING DEVELOPMENT, SOCIAL-COGNITION, LEARNING AND MOTIVATION ARE EXAMINED AS THESE INFLUENCE EDUCATIONAL DECISIONS AND CLASSROOM PRACTICES.

PSYCH-5323 Classroom Behavior Modification **3 Credits**
A COMPREHENSIVE INTRODUCTION TO APPLIED LEARNING THEORY IN THE CLASS-ROOM. SPECIFIC EMPHASIS WILL BE PLACED ON THE PRACTICAL APPLICATION OFTHESE PRINCIPLES IN THE CONTROL OF APPROPRIATE AND INAPPROPRIATE CLASSROOM BEHAVIOR.

PSYCH-5333 Behavioral Intervention With Children **3 Credits**
THE COURSE FOCUSES ON THE UTILIZATION OF EMPIRICALLY-BASED ASSESSMENT AND INTERVENTION WITH CHILDREN HAVING BEHAVIORAL PROBLEMS. EMPHASIS IS PLACED ON THE FUNCTIONAL ANALYSIS OF BEHAVIOR, CONTINGENCY AND CRISIS MANAGEMENT. Required Previous: PSYCH-5183;

PSYCH-5363 Adolescent Psychopathy and Treatment **3 Credits**
STUDY OF THE ASSESSMENT, DIAGNOSIS, AND TREATMENT OF ADOLESCENT BEHAVIORAL AND PSYCHOLOGICAL DISORDERS. EMPHASIS WILL BE PLACED UPON THE UTILIZATION OF EMPIRICALLY-BASED STRATEGIES. Required Previous: PSYCH-5183;

PSYCH-5373 Psychological Assessment **3 Credits**
THE COURSE PROVIDES AN INTRODUCTION TO PSYCHOLOGICAL TESTS THAT ARE USED IN CLINICAL PRACTICE TO ASSESS SOCIAL, EMOTIONAL, AND BEHAVIORAL FUNCTIONING. THE COURSE INTRODUCES MEASUREMENT TECHNIQUES AND A VARIETY OF TESTING TOOLS/INSTRUMENTS THAT ARE USED IN PSYCHOLOGY TO ASSIST WITH CLINICAL DECISION-MAKING, AS WELL AS TREATMENT PROGRESS. STUDENTS IN THIS COURSE WILL LEARN HOW TO SELECT APPROPRIATE INSTRUMENTS TO ADDRESS SPECIFIC CLINICAL QUESTIONS, AND RECEIVE HANDS-ON TRAINING IN A VARIETY OF AS Required Previous: EDPSY-5353;

PSYCH-5403 Intellectual Assessment **3 Credits**
A STUDY OF THE THEORIES AND PRINCIPLES UNDERLYING THE INDIVIDUALIZED ASSESSMENT OF INTELLECTUAL FUNCTIONING. SPECIFICALLY, STUDENTS WILL LEARN HOW TO ADMINISTER, SCORE, AND INTERPRET THE WECHSLER SCALES AND OTHER INTELLECTUAL ASSESSMENT INSTRUMENTS, AS WELL AS LEARN OBSERVATION,INTERVIEW, AND PSYCHOLOGICAL REPORT WRITING SKILLS. Required Previous: EDPSY-5353;

PSYCH-5423 Stanford-Binet Iv: Woodcock-Johnson **3 Credits**
THE MAJOR EMPHASIS IS TO PROVIDE TRAINING AND PRACTICE IN THE ADMINI-STRATION, SCORING, INTERPRETATON AND UTILIZATION OF THE FOLLOWING ASSES-SMENT INSTRUMENTS: STANFORD-BINET INTELLIGENCE SCALE (4TH EDITION) AND WOODCOCK-JOHNSON PSYCHO-EDUCATIONAL BATTERY. EXPERIENCE IS PROVIDED INTHE SYNTHESIS AND COMMUNICATION OF PSYCHOLOGICAL INFORMATION. Required Previous: Take 6 credits; From Subject PSYCH or departmental approval

PSYCH-5433 Diagnostic Assessment **3 Credits**
THIS COURSE IS A SURVEY OF DIAGNOSTIC TECHNIQUES WHICH DEAL WITH ACADEMIC SKILLS, SENSORY MOTOR SKILLS, ADAPTIVE SKILLS, LANGUAGE DEVELOPMENT, AND SOCIAL AND EMOTIONAL DEVELOPMENT. EMPHASIS IS PLACED ON THE RATIONALE AND FUNCTIONS OF SUCH DIAGNOSTIC INSTRUMENTS WHICH WOULD HELP SPECIALISTS IN PSYCHOMETRY, READING, AND COUNSELING TO EVALUATE THOSE ASPECTS OF BEHAVIOR NOT CURRENTLY ASSESSED BY TRADITIONAL TESTING PROCEDURES. Required Previous: PSYCH-5403;

PSYCH-5443 Multicultural Consultation and Intervention **3 Credits**
THIS COURSE FOCUSES ON MENTAL HEALTH, BEHAVIORAL, AND OTHER MODELS OF CONSULTATION AS APPLIED IN HOME, SCHOOL, AND COMMUNITY SETTINGS. SPECIAL EMPHASIS IS PLACED ON MULTICULTURAL ISSUES AND THE CULTURAL BASES OF BEHAVIOR AS AN INTEGRAL ASPECT OF THE CONSULTATION PROCESS. STUDENTS WILL LEARN EFFICIENT METHODS OF DATA COLLECTION AND HOW TO INCORPORATE AND APPLY THEM EFFECTIVELY IN DECISION-MAKING THROUGHOUT THE CONSULTATION PROCESS. Required Previous: PSYCH-5183;

PSYCH-5453 Internship in Sports Psychology II **3 Credits**
THE STUDENT WILL SPEND AT LEAST 200 CLOCK HOURS IN A SUPERVISED EXPERIENCE IN SPORT PSYCHOLOGY. THE 200-HOUR SUPERVISED INTERNSHIP EXPERIENCE MAY CONSIST OF DIRECT CLIENT CONTACT, RESEARCH DESIGN AND DATA COLLECTION ACTIVITIES INVOLVING THE APPLICATION OF SPORT PSYCHOLOGY, SUPPORT ACTIVITIES (E.G., COMMUNITY ENGAGEMENT OR VOLUNTEERING OF SERVICES), AND MENTORSHIP EXPERIENCES (E.G., FIELD OBSERVATIONS, APPLICATION & OBSERVATION OF LEARNED SKILLS UNDER SUPERVISION, ETC.). THIS INTERNSHIP IS THE S

PSYCH-5463 Psychology of Coaching & Team Dynamics **3 Credits**
THIS COURSE WILL PROVIDE AN EXAMINATION OF THE SCIENCE AND PRACTICE OF THE PSYCHOLOGY OF COACHING AND TEAM DYNAMICS. STUDENTS ARE PRESENTED WITH THE PSYCHOLOGICAL FOUNDATION FOR COACHING, INCLUDING THE BASIC TENETS OF THE PSYCHOLOGY OF THE INDIVIDUAL AS WELL AS GROUP BEHAVIOR. TOPICS WILL INCLUDE MOTIVATION, STRESS, COMMUNICATION, GROUP COHESION/DYNAMICS, LEADERSHIP, REINFORCEMENT, CONFLICT RESOLUTION, AND FEEDBACK AS THEY RELATE TO PERFORMANCE IN A TEAM AND INDIVIDUAL SETTING. Required Previous: Take PSYCH-5043

PSYCH-5473 Advanced Psychology of Childhood and Adolescence **3 Credits**
SURVEY OF LITERATURE FROM VARIOUS FIELDS TO AID THE STUDENT IN UNDER-STANDING CHARACTERISTICS OF CHILDHOOD AND ADOLESCENT GROWTH AND DEVELOP-MENT. EMPHASIS IS UPON THE DEVELOPMENT OF SKILLS IN OBSERVING AND INTERPRETNG THE BEHAVIOR OF CHILDREN AND ADOLESCENTS.

PSYCH-5483 Applied Psychology Capstone Project **3 Credits**
THIS CAPSTONE COURSE IS A PROJECT-BASED MENTORED EXPERIENCE DESIGNED TO DEVELOP AND HONE THE PRACTICAL APPLICATION SKILLS OF AN APPLIED PSYCHOLOGY MAJOR. THE COURSE REQUIRES STUDENTS TO INTEGRATE THE KNOWLEDGE AND SKILLS GAINED FROM OTHER COURSES IN THE PROGRAM AND TO DEMONSTRATE THE ABILITY TO APPLY THEIR KNOWLEDGE TO NEW SUBJECT MATTER AND PRACTICAL SITUATIONS. PRIOR TO CAPSTONE ENROLLMENT, STUDENTS ARE EXPECTED TO COMPLETE THE MAJORITY OF THEIR REQUIRED PROGRAM COURSES. Required Previous: Take PSYCH-5143

PSYCH-5523 Sports in American Society **3 Credits**
THIS COURSE EXAMINES THE INFLUENCE OF THE SOCIAL PSYCHOLOGY ON SPORT, THE INFLUENCE OF SOCIETY ON SPORT CULTURE, AND HOW SPORT AFFECTS THE SOCIAL WORLD WE LIVE IN. SOCIAL PSYCHOLOGY EMPHASIS WILL BE PLACED ON HOW SPORT INTERACTS WITH GENDER, RACE/ETHNICITY, CULTURE, SOCIOECONOMIC CLASS, MEDIA RELATIONS, VIOLENCE, DEVIANCE, AND SEXUALITY.

PSYCH-5553 Practicum in Psychology I **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN SUPERVISED PRACTICAL EXPERIENCE IN PROFESSIONALLY APPROPRIATE COUNSELING AND PSYCHOLOGICAL ACTIVITIES AT A FACILITY ENGAGED IN FURNISHING PSYCHOLOGICAL, MEDICAL, REHABILITATIVE, COUNSELING, OR OTHER SOCIALLY RELEVANT HUMAN SERVICES TO A CLIENT POPULATION. STUDENTS WILL DEVELOP AND REFINE COMPETENCIES IN THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES AND SKILLS IN ORDER TO FUNCTION EFFECTIVELY AS PROVIDERS OF PSYCHOLOGICAL SERVICES. MAY BE REPEA Required Previous: PSYCH-5173;

PSYCH-5563 Internship in Sports Psychology I **3 Credits**
THE STUDENT WILL SPEND AT LEAST 200 CLOCK HOURS IN A SUPERVISED EXPERIENCE IN SPORT PSYCHOLOGY. THE 200-HOUR SUPERVISED INTERNSHIP EXPERIENCE MAY CONSIST OF DIRECT CLIENT CONTACT, RESEARCH DESIGN AND DATA COLLECTION ACTIVITIES INVOLVING THE APPLICATION OF SPORT PSYCHOLOGY, SUPPORT ACTIVITIES (E.G., COMMUNITY ENGAGEMENT OR VOLUNTEERING OF SERVICES), AND MENTORSHIP EXPERIENCES (E.G., FIELD OBSERVATIONS, APPLICATION & OBSERVATION OF LEARNED SKILLS UNDER SUPERVISION, ETC.). THIS INTERNSHIP IS THE

PSYCH-5573 Practicum in Psychology II **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN SUPERVISED PRACTICAL EXPERIENCE IN PROFESSIONALLY APPROPRIATE COUNSELING AND PSYCHOLOGICAL ACTIVITIES AT A FACILITY ENGAGED IN FURNISHING PSYCHOLOGICAL, MEDICAL, REHABILITATIVE, COUNSELING, OR OTHER SOCIALLY RELEVANT HUMAN SERVICES TO A CLIENT POPULATION. STUDENTS WILL DEVELOP AND REFINE COMPETENCIES IN THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES AND SKILLS IN ORDER TO FUNCTION EFFECTIVELY AS PROVIDERS OF PSYCHOLOGICAL SERVICES. Required Previous: Take PSYCH-5553

PSYCH-5622 Schl Psychological Serv **2 Credits**
AN EXAMINATION OF THE ETHICAL, LEGAL, AND PRACTICAL ISSUES IN PROVIDINGSCHOOL PSYCHOLOGICAL SERVICES.

PSYCH-5662 Practicum Schl Psychometry **2 Credits**
THIS PRACTICUM PROVIDES SUPERVISED EXPERIENCE DESIGNED TO DEVELOP THEREQUISITE LEVELS OF SKILL NECESSARY FOR COMPETENT PERFORMANCE AS ASCHOOL PSYCHOMETRIST. (150 CLOCK HRS.)

PSYCH-5691 Master's Thesis **1 Credit**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS. MAY BE REPEATED FOR A MAXIMUM OF 6 HOURS WITH DEPARTMENT APPROVAL.

PSYCH-5692 Master's Thesis **2 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5693 Master's Thesis **3 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5694 Master's Thesis **4 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5695 Master's Thesis **5 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5696 Master's Thesis **6 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5703 Human Sexuality **3 Credits**
THIS COURSE EXAMINES THE SCIENTIFIC, PSYCHOLOGICAL, AND COUNSELING-BASED STUDY OF HUMAN SEXUALITY WITH A FOCUS ON THE ROLE THAT SEXUALITY PLAYS IN HUMAN INTERACTIONS AND DEVELOPMENT. THE COURSE HAS AN EMPHASIS ON UNDERSTANDING AND APPRECIATING THE ROLE OF SEXUALITY IN INDIVIDUALS, COUPLES, AND FAMILIES THROUGHOUT THE VARIOUS PHASES OF THE LIFE CYCLE. THIS INCLUDES TOPICS RELATING TO MAJOR PSYCHOLOGICAL THEORIES OF SEXUALITY, PATTERNS OF SEXUAL AROUSAL AND RESPONSE, THE DEVELOPMENT OF GENDER AND

PSYCH-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-H1113 Honors-General Psychology **3 Credits**
A SURVEY OF THE MAJOR AREAS IN PSYCHOLOGY INCLUDING MOTIVATION, PERCEPTION, LEARNING, MEMORY AND COGNITION, PHYSIOLOGY, PERSONALITY, SOCIAL PSYCHOLOGY, AND ABNORMAL BEHAVIOR AND TREATMENT.

PSYCH-H3114 Honors-Experimental Psych **4 Credits**
AN APPLIED STUDY OF THE PROCEDURES AND METHODS OF EXPERIMENTAL RESEARCH IN PSYCHOLOGY. THE PURPOSE OF THIS COURSE IS FOR STUDENTS TO PARTICIPATE IN THE PLANNING, DESIGNING AND COMPLETION OF AN EXPERIMENTAL RESEARCH PROJECT.

PSYCH-H3463 Honors-Child & Adol Psych **3 Credits**
A STUDY OF HUMAN DEVELOPMENT OF THE INDIVIDUAL FROM BIRTH THROUGH ADOLESCENCE WITH EMPHASIS ON APPLIED ISSUES IN PARENTING, EDUCATION, NURSING AND OTHER PROFESSIONAL HUMAN SERVICE FIELDS.

PSYCH-H4133 Honors-Abnormal Psychology **3 Credits**
STUDY OF BEHAVIOR LIKELY TO BE LABELED ABNORMAL WITH EMPHASIS ON FACTORSINVOLVED IN ACQUISITION MAINTENANCE, AND CHANGE OF SUCH BEHAVIOR.

PSYCH-H4413 Honors-Psych of Personalty **3 Credits**
THIS COURSE EXAMINES PERSONALITY PROCESSES AND THE VARIOUS THEORETICAL APPROACHES TO THE STUDY OF PERSONALITY INCLUDING PSYCHODYNAMIC, BEHAVIORAL, PHENOMENOLOGICAL, TRAIT, AND SOCIAL LEARNING THEORIES.

PSYCH-H4453 Honors-Adolescent Develop **3 Credits**
THE PHYSICAL, MENTAL, SOCIAL AND EMOTIONAL DEVELOPMENT OF THE INDIVIDUALFROM PUBERTY THROUGH THE ONSET OF YOUNG ADULTHOOD WITH EMPHASIS ONPSYCHOLOGICAL THEORIES, DEVELOPMENTAL METHODOLOGY, AND RESEARCH.

PSYCH-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-H5473 Honors-Adv Chldhd Adlscnce **3 Credits**
SURVEY OF LITERATURE FROM VARIOUS FIELDS TO AID THE STUDENT IN UNDER-STANDING CHARACTERISTICS OF CHILDHOOD AND ADOLESCENT GROWTH AND DEVELOP-MENT. EMPHASIS IS UPON THE DEVELOPMENT OF SKILLS IN OBSERVING AND INTERPRETING THE BEHAVIOR OF CHILDREN AND ADOLESCENTS.

PSYCH-S4981 Seminar in Psychology (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-S5981 Seminar in Psychology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCHOLOGY - SOCIOLOGY (PYSOC)

PYSOC-2213 Social Psychology **3 Credits**
A STUDY OF THE PSYCHOLOGICAL ASPECT OF BEHAVIOR AS THESE ARE MODIFIED IN SOCIAL INTERACTION. Required Previous: PSYCH-1113 or SOC-1113;

PYSOC-H2213 Honors-Social Psychology **3 Credits**
A STUDY OF THE PSYCHOLOGICAL ASPECT OF BEHAVIOR AS THESE ARE MODIFIED IN SOCIAL INTERACTION. Required Previous: SOC-1113 or PSYCH-1113

RUSSIAN (RUSS)

RUSS-1113 Elementary Russian I **3 Credits**
(THIS COURSE IS DESIGNED FOR STUDENTS WHO HAVE HAD NO PREVIOUS STUDY OFTHE RUSSIAN LANGUAGE.) STUDENTS BEGIN TO DEVELOP THE SKILLS OF LISTENING, SPEAKING, READING, AND WRITING RUSSIAN. STUDENTS ALSO LEARN INTERESTING INFORMATION ABOUT THE CULTURE OF RUSSIA.

RUSS-1223 Elementary Russian II **3 Credits**
STUDENTS CONTINUE TO DEVELOP THE SKILLS WHICH THEY BEGAN IN THE PREVIOUS ELEMENTARY RUSSIAN COURSE. Required Previous: RUSS-1113

RUSS-2881 Special Studies in Russian **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-2882 Special Studies in Russian **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-2884 Special Studies in Russian **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4981 Seminar in Russian **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4982 Seminar in Russian **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4983 Seminar in Russian **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4984 Seminar in Russian **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4991 Individual Study in Russian **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4992 Individual Study in Russian **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4993 Individual Study in Russian **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4994 Individual Study in Russian **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-H2883 Honors-Special Study in Russian **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-H4983 Honors-Seminar in Russian **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SCIENCE EDUCATION (SCIED)

SCIED-3412 Hist & Philosophy of Sci **2 Credits**
HISTORICAL DEVELOPMENT OF SCIENCE CONCEPTS AND PHILOSOPHY BEGINNING WITHTHE EARLY GREEK AND CONTINUING TO THE PRESENT. THIS COURSE IS DESIGNED ESPECIALLY FOR SCIENCE TEACHERS.

SCIED-3513 Sci Mthds& Mtrls Sr Hi Sch **3 Credits**
CURRENT PHILOSOPHY, GOALS AND METHODS OF SCIENCE TEACHING IN THE SENIORHIGH SCHOOL, FAMILIARIZING THE STUDENT WITH RECENTLY DEVELOPED PROGRAMSIN EACH OF THE SCIENCE AREAS.

SCIED-3732 Env Stu Elem/Jr Hi/Mid Sch **2 Credits**
INTRODUCES THE ELEMENTARY, JUNIOR HIGH OR MIDDLE SCHOOL TEACHER TO CURRENT APPROACHES USED TO INVOLVE CHILDREN IN MAINTAINING A QUALITY ENVIRONMENT.

SCIED-5412 Science for Secon Teacher **2 Credits**

SCIED-S4981 Need Name (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SCIED-S4982 Seminar in Science Methods and Materials (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SCIED-S5981 Seminar in Science Methods and Materials (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SCIED-S5982 Seminar in Science Methods and Materials (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SCIED-S5983 Seminar in Science Methods and Materials (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

STUDY OF FINE ARTS (SFA)

SFA-1000 Cultural Attendance **0 Credits**
A NON-CREDIT COURSE IN WHICH SCHOOL OF FINE ARTS STUDENTS WILL SELECT FIVE CULTURAL EVENTS TO ATTEND, THEY MUST SELECT ONE FROM EACH OF THE FOLLOWING AREAS: ART, PRESENTATIONS, MUSIC, MASS COMMUNICATION, THEATRE OR DANCE. THE COURSE PROVIDES AN OPPORTUNITY TO DEVELOP A BROADER CULTURAL AWARENESS ACROSS DISCIPLINES. EACH SFA STUDENT MUST ENROLL 2 TIMES FOR GRADUATION. MUSIC STUDENTS MAY APPLY ATTENDANCE AT MUSICAL PERFORMANCES TOWARD MUS 1000 RECITAL ATTENDANCE.

SOCIOLOGY (SOC)

SOC-1113 Introductory Sociology **3 Credits**
A GENERAL SURVEY OF THE FIELD OF SOCIOLOGY, THE ORIGIN AND DEVELOPMENT OF SOCIAL INSTITUTIONS, SOCIAL PROCESSES.

SOC-2113 Social Problems **3 Credits**
SOME OF THE MORE IMPORTANT CURRENT SOCIAL PROBLEMS SUCH AS POVERTY, DELINQUENCY, CRIMINALITY, AND MIGRATION, ALSO A CONSIDERATION OF AGENCIES FOR SOLUTION.

SOC-2613 Gender and Society **3 Credits**
AN ANALYSIS OF THE GENETIC AND CULTURAL DETERMENANTS OF GENDER DIFFERENCES AND THE IMPORTANCE OF GENDER IN DIFFERENT SOCIETIES.

SOC-2723 Introduction to Physical Anthropology **3 Credits**
AN EXAMINATION OF THE PHYSICAL DEVELOPMENT OF HUMANKIND, INCLUDING A SURVEY OF PRIMATES, HUMAN EVOLUTION, AND HUMAN PHYSICAL DIVERSITY.

SOC-2813 Sociology of Religion **3 Credits**
AN EXAMINATION OF SOCIOLOGICAL THEORIES OF RELIGION, RELIGIOUS DIVERSITY IN AMERICAN LIFE, AND THE DEVELOPMENT OF RELIGIOUS GROUPS.

SOC-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2913 Sociology of Sport **3 Credits**
THE SOCIOLOGICAL STUDY OF SPORT, BOTH IN ITS CULTURAL ASPECTS AND IN ITS INSTITUTIONAL ASPECTS, IS THE SUBJECT OF THIS COURSE. THE SOCIOLOGY OF SPORT IS AN ATTEMPT TO STUDY THE SOCIAL ROLES AND FUNCTIONS OF SPORT, HOW IT AFFECTS SOCIETY AND HOW SOCIETIES AFFECT SPORT. SPECIFICALLY, WE STUDY THE DEVELOPMENT OF MODERN SPORT, THE RELATIONSHIP BETWEEN CULTURE AND SPORT, THE RELATIONSHIP BETWEEN RELIGION AND SPORT, SOCIALIZATION INTO SPORT, DEVIANCE AND SPORT, HIGH SCHOOL, COLLEGE AND PROFESSIONAL SP

SOC-3003 Native American Sociology **3 Credits**
IN THIS CLASS STUDENTS WILL EXAMINE THE SOCIOLOGY OF (NORTH AMERICAN) NATIVE AMERICAN CULTURES. TOPICS AND THEMES WILL EXPLORE THE DIVERSITY OF NATIVE AMERICAN CULTURES, THEIR PAST, AND THEIR PLACE IN CURRENT SOCIAL CONTEXTS INCLUDING CITIES.

SOC-3113 Juvenile Delinquency **3 Credits**
CAUSES LEADING TO DELINQUENCY, METHODS OF CONTROL.

SOC-3133 Majority/Minorty Relations **3 Credits**
A STUDY OF MAJORITY/MINORITY GROUP RELATIONSHIPS CONCENTRATING ON THEDYNAMICS AND CONSEQUENCES OF PREJUDICE, DISCRIMINATION, AND RELATED FACTORS.

SOC-3313 Marriage and the Family **3 Credits**
A HISTORY OF THE FAMILY AS A SOCIAL AND EDUCATIONAL INSTITUTION, PROBLEMS CONFRONTING THE MODERN FAMILY.

SOC-3413 Sociological Theory **3 Credits**
A STUDY OF CLASSICAL AND CONTEMPORARY SOCIOLOGICAL THEORY.

SOC-3523 Social Stratification **3 Credits**
AN ANALYSIS OF BASIC SOCIAL STRATIFICATION SYSTEMS IN SELECTED SOCIETIES.

SOC-3723 Human Sexuality **3 Credits**
AN EXAMINATION OF THE PHYSIOLOGY, DEVELOPMENT, SOCIAL STRUCTURING, AND CROSS-CULTURAL DIVERSITY OF HUMAN SEXUALITY. AN EMPHASIS WILL BE PLACEDON THE SOCIALIZATION OF INDIVIDUALS TO FIT PRESCRIBED SEXUAL ROLES AND T HE CONSEQUENCES OF SUCH SOCIALIZATION.

SOC-3833 Statistics for Social Sciences **3 Credits**
AN INTRODUCTION TO STATISTICAL CONCEPTS AND TECHNIQUES WHICH ARE USED IN SOCIOLOGY, PSYCHOLOGY, EDUCATION AND SOCIAL RESEARCH.

SOC-4323 Deviance and Social Control **3 Credits**
DESCRIPTION, COMPARISON, AND ANALYSIS OF THEORIES AND RESEARCH ON DEVIANCE AND SOCIAL CONTROL TECHNIQUES.

SOC-4813 Methods & Techniques of Research **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SOCIAL RESEARCH.

SOC-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) hours of Social Studies

SOC-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) of Social Studies

SOC-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) hours of Social Studies

SOC-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) hours of Social Studies

SOC-H1113 Honors-Intro Sociology **3 Credits**
A GENERAL SURVEY OF THE FIELD OF SOCIOLOGY, THE ORIGIN AND DEVELOPMENT OF SOCIAL INSTITUTIONS, SOCIAL PROCESSES.

SOC-H2813 Honors-Sociology of Religion **3 Credits**
AN EXAMINATION OF SOCIOLOGICAL THEORIES OF RELIGION, RELIGIOUS DIVERSITY IN AMERICAN LIFE, AND THE DEVELOPMENT OF RELIGIOUS GROUPS.

SOC-H3133 Honors-Maj/Min Relations **3 Credits**
A STUDY OF MAJORITY/MINORITY GROUP RELATIONSHIPS CONCENTRATING ON THEDYNAMICS AND CONSEQUENCES OF PREJUDICE, DISCRIMINATION, AND RELATEDFACTORS.

SOC-H3313 Honors-Marriage & Family **3 Credits**
A HISTORY OF THE FAMILY AS A SOCIAL AND EDUCATIONAL INSTITUTION, PROBLEMS CONFRONTING THE MODERN FAMILY.

SOC-H3413 Honors-Sociological Theory **3 Credits**
A STUDY OF CLASSICAL AND CONTEMPORARY SOCIOLOGICAL THEORY.

SOC-H3723 Honors-Human Sexuality **3 Credits**
AN EXAMINATION OF THE PHSIOLOGY, DEVELOPMENT, SOCIAL STRUCTURING, ANDCROSS-CULTURAL DIVERSITY OF HUMAN SEXUALITY. AN EMPHASIS WILL BE PLACEDON THE SOCIALIZATION OF INDIVIDUALS TO FIT PRESCRIBED SEXUAL ROLES AND THE CONSEQUENCES OF SUCH SOCIALIZATION.

SOC-H4813 Honors-Mthd & Tech Resrch **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SOCIAL RESEARCH.

SOC-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-S4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-S5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOCIAL STUDIES (SOSTU)

SOSTU-4873 Methods in Secondary Social Studies 3 Credits
THIS COURSE WILL FOCUS ON THE DEVELOPMENT OF CITIZENSHIP SKILLS, THE ACQUISITION OF PROFESSIONAL SKILLS, DEVELOPMENT OF MATERIALS, AND THE USE OF RESOURCES FOR SECONDARY INSTRUCTION IN THE SOCIAL STUDIES. SPECIFIC ACTIVITIES WITHIN THE COURSE WILL ADDRESS LOCAL AND GLOBAL REPRESENTATIVE CULTURES FOR THE PURPOSES OF EFFECTIVE CITIZENSHIP ENGAGEMENT. Required Previous: Twenty hours in History or deparmental approval

SOCIAL WORK (SOWK)

SOWK-2083 Human Behavior and Social Environment I 3 Credits
THEORETICAL FRAMEWORKS DRAWN FROM THE BIOLOGICAL, SOCIAL, AND BEHAVIORAL SCIENCES FOR UNDERSTANDING ACROSS THE LIFE SPAN AND THE RANGE OF SOCIAL SYSTEMS IN WHICH PEOPLE LIVE, AND THE WAYS SOCIAL SYSTEMS PROMOTE OR DETER ACHIEVEMENT OF HEALTH AND WELL-BEING. EXPLORED IS THE IMPACT OF FACTORS INCLUDING ETHNICITY, RACE, CLASS, AGE, GENDER, SEXUAL ORIENTATION, DISABILITY, AND CULTURE ON HUMAN DEVELOPMENT AND BEHAVIOR.

SOWK-2113 Human Diversity and Social Justice 3 Credits
THIS COURSE FOCUSES ON ISSUES OF HUMAN DIVERSITY AND SOCIAL JUSTICE. ELEMENTS OF MULTICULTURALISM, DISCRIMINATION AND OPPRESSION WILL ALSO BE EXPLORED. THIS COURSE IS DESIGNED TO ASSIST SOCIAL WORK STUDENTS TO BE KNOWLEDGEABLE OF SOCIETAL AND PERSONAL BIASES BASED ON RACE, ETHNICITY, CULTURE, RELIGION, AGE, SEX, SEXUAL ORIENTATION, SOCIAL AND ECONOMIC STATUS, POLITICAL IDEOLOGY AND/OR DISABILITY. STUDENTS WILL LEARN AND GAIN UNDERSTANDING ABOUT DIVERSE POPULATIONS, FOCUSING ON THE DISCRIMINATION

SOWK-2273 Introduction to Social Work and Social Welfare 3 Credits
PROVIDES STUDENTS WITH AN OVERVIEW OF SOCIAL WORK AS A PROFESSION, ITS HISTORICAL DEVELOPMENT, AND KNOWLEDGE, VALUE, AND SKILLS FOR PRACTICE. INFORMED SENSITIVITY TO ALL ASPECTS OF HUMAN DIVERSITY IS EMPHASIZED AND THE ADVOCACY ROLE OF SOCIAL WORKERS WITH OPPRESSED AND DEVALUED POPULATIONS. HISTORY, DEVELOPMENT, AND PHILOSOPHY OF THE SOCIAL WELFARE INSTITUTION IN U.S. SOCIETY AND THE ROLE OF THE PROFESSION IS EXPLORED.

SOWK-2511 Field Work Study Social Work 1 Credit
FIELD EXPERIENCE IN A SOCIAL SERVICES AGENCY OR ORGANIZATION, INCLUDING THOSE SERVING OLDER ADULTS. EMPHASIS IS ON USE OF SELF IN THE HELPING PROCESS AND EXPLORATION OF SOCIAL WORK AS A CAREER.

SOWK-2521 Professional Skills for Social Work and Social Welfare 1 Credit
THE COURSE BUILDS UPON AND REINFORCES THE FOUNDATION OF GENERALIST SOCIAL WORK KNOWLEDGE, VALUES, ETHICS, ATTITUDES, AND SKILLS INTRODUCED IN THE SOWK 2273 INTRODUCTIONS TO SOCIAL WORK COURSE. STUDENTS WILL LEARN ABOUT VARIOUS TYPES OF SOCIAL WORK WRITING INCLUDING APA, CASE NOTES AND PROCESS RECORDINGS, AND COURT AND AGENCY REPORTS. STUDENTS WILL ALSO STUDY THE CODE OF ETHICS OF THE NATIONAL ASSOCIATION OF SOCIAL WORKERS AND PRACTICE ETHICAL DECISION-MAKING. THE COURSE REINFORCES THE SKILLS NEC

SOWK-3013 Social Work Practice I 3 Credits
ONLY SOCIAL WORK MAJORS MAY BE ENROLLED IN THIS COURSE. THE FIRST COURSE IN THE SOCIAL WORK PRACTICE CURRICULUM SEQUENCE, EMPHASIZES THE PREPARATION OF STUDENTS FOR COMPETENT STRENGTHS-ORIENTED ACTION WITH INDIVIDUALS, FAMILIES, GROUPS, ORGANIZATIONS, AND COMMUNITIES THROUGH USE OF PROFESSIONAL KNOWLEDGE, VALUES AND SKILLS. A GENERALIST PRACTICE FRAMEWORK USING A PROBLEM SOLVING MODEL APPROACH IS THE CONTEXT FOR THE COURSE. STUDENTS ARE INTRODUCED TO RELEVANT THEORETICAL AND CONCEPTUAL FRAMEWORK Required Previous: SOWK-2273

SOWK-3113 Leadership for Helping Professionals 3 Credits
THIS COURSE WILL HELP TO PREPARE INDIVIDUALS IN THE HUMAN SERVICES FIELD TO ASSUME THE ROLE OF LEADER WITHIN THEIR ORGANIZATION. CONTENT WILL PROVIDE STUDENTS WITH THE KNOWLEDGE, VALUES AND SKILLS NEEDED TO LEAD WITHIN COMPLEX HUMAN SERVICES AGENCIES. STUDENTS WILL LEARN THE CHARACTERISTICS THAT DEFINE POSITIVE EXECUTIVE LEADERSHIP AND UTILIZE A COMBINATION OF SELF-REFLECTION AND ASSESSMENT TO IDENTIFY AND REFINE THESE CHARACTERISTICS THAT THE STUDENT POSSESSES. STUDENTS WILL EXPLORE THEORIES, M

SOWK-3213 Child Welfare 3 Credits
THIS COURSE PROVIDES STUDENTS WITH A BROAD OVERVIEW AND HISTORY OF THE CHILD WELFARE FIELD OF PRACTICE, THE PUBLIC CHILD WELFARE SYSTEM, AND THE ROLE OF SOCIAL WORKERS AS THEY WORK WITH VULNERABLE AND AT-RISK CHILDREN AND FAMILIES. FOCUS OF THE COURSE IS ON THE DYNAMICS OF CHILD ABUSE (SEXUAL AND PHYSICAL) AND CHILD NEGLECT, AS WELL AS PREVENTION AND APPROPRIATE INTERVENTIONS TO ADDRESS THEIR ELIMINATION. STUDENTS WILL ALSO GAIN AN UNDERSTANDING OF THE LAWS AND SOCIETAL MECHANISMS FOR CHILD PROT

SOWK-3363 Social Work With Special Populations 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT DEVELOP A PERCEPTION OF THE KNOWLEDGE AND SKILLS NEEDED FOR WORKING WITH SPECIAL POPULATIONS GROUPS, SUCH AS ELDERLY, POOR, WOMEN, AND MINORITIES. THE COURSE WILL ADDRESS SUCH ISSUES AS SOCIAL WELFARE, SOCIAL SERVICES, SOCIAL AGENCY BUREAUCRACIES, SEXISM, AGEISM, AND CLASS DISCRIMINATION.

SOWK-3613 Social Welfare Policy and Services 3 Credits
THIS COURSE PREPARES STUDENTS TO UNDERSTAND HOW POLICY AFFECTS SERVICE DELIVERY AND HOW TO ACTIVELY ENGAGE IN POLICY PRACTICE TO ADVANCE AND IMPROVE THE QUALITY OF SOCIAL SERVICES. CONTENT INCLUDES THE HISTORY AND CURRENT STRUCTURE OF POLICIES AND SERVICES, THE ROLE OF POLICY IN SERVICE DELIVERY, AND THE ROLE OF PRACTICE IN POLICY DEVELOPMENT. STUDENTS ANALYZE, PROPOSE, AND FORMULATE POLICIES THAT ADVANCE SOCIAL WELL-BEING. THE ADVANCEMENT OF HUMAN RIGHTS AND SOCIAL AND ECONOMIC JUSTICE PROVIDES Required Previous: SOWK-2273

SOWK-3833 Research Methods in Social Work **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO SYSTEMATIC APPROACHES TO SCIENTIFIC THINKING NECESSARY FOR KNOWLEDGE BUILDING AND EVALUATING ONE'S OWN PRACTICE AND PRACTICE THAT INFORMS RESEARCH. CRITICAL THINKING AND ANALYSIS SKILLS ARE EMPHASIZED WITHIN THE CONTEXT OF ETHICAL SCIENTIFIC INQUIRY AND PRACTICE. STUDENTS APPLY RESEARCH TO EVALUATION OF PRACTICE AND IMPROVEMENT OF PRACTICE, POLICY, AND SOCIAL SERVICES DELIVERY.

SOWK-4113 The Indian Child Welfare Act **3 Credits**
THE INDIAN CHILD WELFARE ACT (ICWA) WILL BE INTRODUCED TO STUDENTS WITH FOCUS ON UNDERSTANDING THE ACT, ITS HISTORICAL CONTEXT, AND APPLICATION IN TODAY'S SOCIAL WELFARE SYSTEM. DEVELOPMENT OF KNOWLEDGE AND APPRECIATION FOR NATIVE AMERICAN INDIAN CULTURE IN U.S. SOCIETY AND IN OKLAHOMA WILL ALSO BE A COURSE GOAL. THIS COURSE WILL ENCOURAGE STUDENT PARTICIPATION IN A CULTURALLY DIVERSE LEARNING ENVIRONMENT.

SOWK-4423 Human Behavior and Social Environment II **3 Credits**
THIS IS THE SECOND COURSE IN THE HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT CURRICULUM SEQUENCE THAT BUILDS ON COMPETENCIES FROM HURES 2083 AND KNOWLEDGE FROM LIBERAL ARTS. EMPHASIZED IS THE RANGE OF SOCIAL SYSTEMS IMPACTING ON SOCIAL FUNCTIONS AND WELL-BEING, AS WELL AS THE DIMENSIONS OF HUMAN DIVERSITY WHICH MAY OPPRESS, MARGINALIZE, AND ALIENATE PEOPLE IN THE ENVIRONMENT. CONTENT FOCUSES ON HOW SOCIAL WORKERS RESPOND TO EVOLVING ORGANIZATIONAL, COMMUNITY, AND SOCIETAL CONTEXTS AT ALL LEVELS OF PRA Required Previous: HURES-2083

SOWK-4494 Social Work Practice II **4 Credits**
ONLY SOCIAL WORK MAJORS MAY ENROLL IN THIS COURSE. THE SECOND COURSE IN THE SOCIAL WORK PRACTICE CURRICULUM SEQUENCE, WHICH PREPARES STUDENTS FOR GENERALIST PRACTICE WITHIN THE CONTEXT OF THE PROBLEM-SOLVING MODEL APPROACH. EMPHASIS IS ON PREPARING STUDENTS FOR COMPETENT STRENGTH-ORIENTED PRACTICE USING RELEVANT KNOWLEDGE, VALUES, SKILLS TO WORK WITH INDIVIDUALS, FAMILIES, GROUPS, ORGANIZATIONS, AND COMMUNITIES, WHICH ENCOMPASSES WORK WITH DIVERSE PERSONS, INCLUDING OLDER ADULTS. FOCUS IS ON THE

SOWK-4892 Integrative Seminar in Social Work **2 Credits**
THIS COURSE TAKEN CONCURRENTLY WITH THE SOCIAL WORK INTERNSHIP, PROVIDES STUDENTS THE OPPORTUNITY TO REFLECT ON THE APPLICATION OF THE THEORETICAL AND CONCEPTUAL CONTRIBUTION OF THE CLASSROOM AND FIELD AS PREPARATION FOR GENERALIST PRACTICE. THE SEMINAR IS A FORUM FOR EXCHANGE OF IDEAS AND EXPERIENCES RELATIVE TO PRACTICE ISSUES, PROFESSIONAL DEVELOPMENT, THE HELPING PROCESS, AND SOCIAL WORK VALUES AND ETHICS. THE SEMINAR IS FURTHER DEFINED BY EVALUATION FO STUDENT LEARNING AND COMPETENCY BUILDI Required Previous or Concurrent: SOWK-4941 or SOWK-4942 or SOWK-4943 or SOWK-4944 or SOWK-4945 or SOWK-4946 or SOWK-4947 and Departmental Approval

SOWK-4981 Seminar in Social Work (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4982 Seminar in Social Work (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4983 Seminar in Social Work (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4984 Seminar in Social Work (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4991 Individual Study (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROJECT. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-4992 Individual Study (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-4993 Individual Study (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-4994 Individual Study (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-H3613 Honors-Social Welfare Policy and Services **3 Credits**
THIS COURSE PREPARES STUDENTS TO UNDERSTAND HOW POLICY AFFECTS SERVICE DELIVERY AND HOW TO ACTIVELY ENGAGE IN POLICY PRACTICE TO ADVANCE AND IMPROVE THE QUALITY OF SOCIAL SERVICES. CONTENT INCLUDES THE HISTORY AND CURRENT STRUCTURE OF POLICIES AND SERVICES; THE ROLE OF POLICY IN SERVICE DELIVERY; AND THE ROLE OF PRACTICE IN POLICY DEVELOPMENT. STUDENTS ANALYZE, PROPOSE, AND FORMULATE POLICIES THAT ADVANCE SOCIAL WELL-BEING. THE ADVANCEMENT OF HUMAN RIGHTS AND SOCIAL AND ECONOMIC JUSTICE PROVIDES Required Previous: SOWK-2273

SOWK-H4494 Honors-Social Work Practice II **4 Credits**
THE SOCIAL WORK INTERNSHIP SOCIALIZES STUDENTS TO PERFORM IN THE ROLE OF PRACTITIONER. THE THEORETICAL AND CONCEPTUAL CONTRIBUTION OF THE CLASSROOM IS CONNECTED TOT HE PRACTICE SETTING, WHERE INTERNS DEMONSTRATE ACHIEVEMENT OF THE PROGRAMS' GENERALIST PRACTICE COMPETENCIES AND CORRESPONDING BEHAVIORS. THIS 448 HOUR INTERNSHIP IS SYSTEMATICALLY DESIGNED AND SUPERVISED THROUGH COORDINATION OF THE PROGRAM AND PRACTICE SETTING.

SOWK-S4946 Internship-Social Work **6 Credits**
THE SOCIAL WORK INTERNSHIP SOCIALIZES STUDENTS TO PERFORM IN THE ROLE OF PRACTITIONER. THE THEORETICAL AND CONCEPTUAL CONTRIBUTION OF THE CLASSROOM IS CONNECTED TOT HE PRACTICE SETTING, WHERE INTERNS DEMONSTRATE ACHIEVEMENT OF THE PROGRAMS' GENERALIST PRACTICE COMPETENCIES AND CORRESPONDING BEHAVIORS. THIS 448 HOUR INTERNSHIP IS SYSTEMATICALLY DESIGNED AND SUPERVISED THROUGH COORDINATION OF THE PROGRAM AND PRACTICE SETTING.

SPANISH (SPAN)

SPAN-1113 Elementary Spanish I **3 Credits**
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

SPAN-1223 Elementary Spanish II **3 Credits**
CONTINUATION OF 1113, FUNDAMENTALS OF GRAMMAR, READING OF INCREASED DIFFICULTY, CONVERSATION.

SPAN-2113 Intermediate Spanish I **3 Credits**
EXTENSIVE READING IN SPANISH TOGETHER WITH CONVERSATION BASED ON THESE READINGS, REVIEW OF SPANISH GRAMMAR.

SPAN-2223 Intermediate Spanish II **3 Credits**
SPANISH READING, CONVERSATION BASED ON READINGS.

SPAN-3223 Spanish Literature Since 1800 **3 Credits**
SURVEY OF SPANISH LITERATURE FROM 1800 TO THE PRESENT TIME.

SPAN-3233 Spanish Culture and Civilization **3 Credits**
THIS COURSE EXPLORES THE DEVELOPMENT OF THE CULTURE AND CIVILIZATION OF SPAIN. CONDUCTED MOSTELY IN SPANISH.

SPAN-3243 Spanish American Culture & Civilization **3 Credits**
THIS COURSE EXPLORES THE DEVELOPMENT OF THE CULTURE AND CIVILIZATION OF SPANISH AMERICA. CONDUCTED MOSTELY IN SPANISH.

SPAN-3313 Spanish American Literature **3 Credits**
READINGS OF REPRESENTATIVE TYPES OF SPANISH AMERICAN LITERATURE FROM SPANISH-SPEAKING COUNTRIES IN THE AMERICAS. CONDUCTED MOSTLY IN SPANISH.

SPAN-3333 Peninsular Spanish Literature **3 Credits**
STUDY OF REPRESENTATIVE WORKS BY MAJOR SPANISH AUTHORS. CONDUCTED MOSTLY IN SPANISH.

SPAN-3343 The Hispanic Presence in the US **3 Credits**
THIS COURSE TREATS HISPANICS IN THE U.S. AND THEIR CONTRIBUTIONS TO AMERICAN SOCIETY AND CULTURE. CONDUCTED MOSTLY IN SPANISH.

SPAN-3413 Advanced Spanish Composition and Conversation **3 Credits**
LARGELY CONDUCTED IN SPANISH, THIS COURSE IS DESIGNED TO DEVELOP THE STUDENT'S ABILITY TO SPEAK AND WRITE THE LANGUAGE CORRECTLY.

SPAN-3613 Conversational Spanish **3 Credits**
DIRECTED STUDY IN SPECIAL TOPICS. MAY BE REPEATED WITH DIFFERENT TOPIC. CONDUCTED MOSTLY IN SPANISH.

SPAN-4123 Advanced Spanish Grammar **3 Credits**
STUDY OF SPECIFIC GRAMMATICAL STRUCTURES, WITH SPECIAL FOCUS ON THE SUBJUNCTIVE. CONDUCTED MOSTLY IN SPANISH.

SPAN-4133 Advanced Spanish Composition **3 Credits**
THIS COURSE FOCUSES ON WRITING EFFECTIVELY IN SPANISH WITH SENSITIVITY TO SUBJECT, PURPOSE, AND AUDIENCE. CONDUCTED MOSTLY IN SPANISH.

SPAN-4143 Advanced Spanish Conversation **3 Credits**
THIS COURSE FOCUSES ON IMPROVING STUDENT ABILITY TO CONVERSE FLUENTLY IN SPANISH FOR VARIOUS PURPOSES AND ON A VARIETY OF TOPICS. CONDUCTED MOSTLY IN SPANISH.

SPAN-4313 Spanish Civilization **3 Credits**
THIS COURSE INVOLVES TRAVEL AND FIELD STUDY OF HISPANIC CULTURE IN STUDY CENTERS IN SPAIN AND/OR SPANISH AMERICA.

SPAN-4413 Methods of Teaching Spanish **3 Credits**
(TAUGHT IN ENGLISH) STUDENTS STUDY AND PRACTICE CURRENT METHODOLOGIES AND STRATEGIES FOR TEACHING SPANISH IN GRADES K-12.

SPAN-4513 The Span Lang:hist Dev & Linguis **3 Credits**
THIS COURSE EXAMINES THE ORIGINS AND HISTORICAL DEVELOPMENT OF THE SPANISH LANGUAGE AS WELL AS LINGUISTIC VARIATIONS OF SPANISH IN THE DIFFERENT COUNTRIES OF THE SPANISH SPEAKING WORLD. CONDUCTED MOSTLY IN SPANISH.

SPAN-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4991 Individual Studies- 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-H1223 Honors - Elementary Spanish II 3 Credits
CONTINUATION OF 1113, FUNDAMENTALS OF GRAMMAR, READING OF INCREASED DIFFICULTY, CONVERSATION.

SPAN-H3223 Honors-Spanish Literature Since 1800 3 Credits
SURVEY OF SPANISH LITERATURE FROM 1800 TO THE PRESENT TIME.

SPAN-H4983 Honors-Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-S5981 Seminar in Spanish (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-S5983 Seminar in Spanish (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

THEATRE (THEA)

THEA-1001 Introduction to Theatre Studies 1 Credit
THIS COURSE SHOULD BE TAKEN BY FIRST SEMESTER THEATRE MAJORS, WHETHER THEY ARE TRANSFER STUDENTS, FRESHMEN, OR NEW TO THE MAJOR. IT WILL INTRODUCE PRACTICES UNIQUE TO THE ACADEMIC STUDY OF THEATRE, INCLUDING TIME-MANAGEMENT TECHNIQUES TO BALANCE SCHOOL WORK AND REHEARSAL, AUDITION PRACTICES, AND OTHER EXPECTATIONS OF STUDENTS IN THE MAJOR. GRADING IS PASS/FAIL. FALL ONLY.

THEA-1413 Acting I 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH SOLO PERFORMANCE AND MONOLOGUE. EMPHASIS ON IDENTIFYING OBJECTIVES THROUGH A THOROUGH STUDY OF TEXT AND COMMUNICATION OF INTENTIONS AND ACTIONS.

THEA-2001 Sophomore Experience 1 Credit
THIS COURSE IS A CONTINUATION OF INTRO TO THEATRE STUDIES, DELVING DEEPER INTO AREAS OF STUDENT INTEREST AND POSSIBLE CAREERS ON-STAGE AND OFF. Required Previous: THEA-1001

THEA-2333 Theatre in Life 3 Credits
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST INTHEATRE. BOTH THEATRE THEORIES AND PRACTICES WILL BE EXAMINED.

THEA-2423 Acting II **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH SCENE STUDY. EMPHASIS ON LISTENING AND RESPONDING WHILE ACTIVELY PURSUING AN OBJECTIVE WITH A PARTNER IN DUET SCENES. ACTING I (1413) IS NOT A PREREQUISITE.

THEA-2441 Theatre Production **1 Credit**
PARTICIPATION IN ACTING AND/OR TECHNICAL ASSIGNMENTS IN COLLEGE PRODUCTIONS. MAY BE REPEATED. MAY NOT BE TAKEN CONCURRENTLY WITH 2241.

THEA-2453 Introduction to Technical Theatre **3 Credits**
AN INTRODUCTION TO THE TERMINOLOGY AND PRACTICES OF TECHNICAL THEATRE PRODUCTION. EXPLORATION OF MODERN THEATRICAL PRODUCTION. EMPHASIS ON PRACTICAL APPLICATION OF TECHNICAL THEATRE THEORIES AND CONCEPTS.

THEA-2881 Special Studies-(Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-2882 Special Studies-(Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-2883 Special Studies-(Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-2884 Special Studies-(Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-3001 Resume Techniques **1 Credit**
STUDENTS WILL LEARN BASIC RESUME AND SELF-MARKETING TECHNIQUES, AS WELL AS PREPARING PROPOSALS FOR SENIOR PROJECTS. RECOMMENDED IN THE SECOND SEMESTER OF THE STUDENT'S JUNIOR YEAR. GRADING IS PASS/FAIL.

THEA-3353 Theatre History Before 1800 **3 Credits**
A SURVEY OF THEATRE HISTORY FROM ITS ORIGINS IN ANTIQUITY TO 1800 BCE. STUDENTS WILL ENCOUNTER A BROAD KNOWLEDGE OF DRAMATIC LITERATURE, PERFORMANCE TRADITIONS, AND ARTISTIC MOVEMENTS FROM THIS PARTICULAR PERIOD IN HISTORY.

THEA-3363 Theatre History After 1800 **3 Credits**
A SURVEY OF THEATRE HISTORY FROM 1800 BCE THROUGH THE PRESENT. STUDENTS WILL ENCOUNTER A BROAD KNOWLEDGE OF DRAMATIC LITERATURE, PERFORMANCE TRADITIONS, AND ARTISTIC MOVEMENTS FROM THIS PARTICULAR PERIOD IN HISTORY.

THEA-3413 Play Directing **3 Credits**
INTRODUCTION TO BASIC DIRECTING TECHNIQUES. SCRIPT ANALYSIS, MOVEMENT, STAGE PICTURES, TECHNICAL PREPARATION, BACKSTAGE ORGANIZATION, PROMPT BOOK PREPARATION. ACTUAL PRODUCTION OF ONE-ACT PLAY IN STUDIO ENVIRONMENT.

THEA-3433 Stagecraft & Scene Design **3 Credits**
CLASSROOM DISCUSSION OF BASIC SCENE DESIGN CONVENTIONS AND STRATEGIES. APPLICATION OF DESIGN AND CONSTRUCTION TOOLS, MATERIALS, AND TECHNIQUES IN RELATION TO ECU THEATRE AND OTHER PROJECTS.

THEA-3453 Stage Lighting and Sound **3 Credits**
BASIC STAGE LIGHTING AND SOUND EFFECTS AND ENHANCEMENT CONVERSIONS. APPLICATION OF TOOLS, MATERIALS, AND TECHNIQUES IN RELATION TO ECU THEATRE AND SELECTED PROJECTS.

THEA-3483 Musical Theatre Workshop **3 Credits**
STUDY OF A SMALL-SCALE MUSICAL THEATRE PRODUCTION CULMINATING IN PUBLIC PERFORMANCE. STUDENTS WILL PREPARE ALL ELEMENTS NECESSARY FOR PERFORMANCE INCLUDING, BUT NOT LIMITED TO: SET, PROPS, PUBLICITY, PUBLIC RELATIONS, CHOREOGRAPHY, STAGING, COSTUMES, LIGHTS, AND SOUND. MAY BE REPEATED FOR CREDIT. Required Previous: COMM-1413

THEA-3593 Play Analysis **3 Credits**
STUDENTS WILL LEARN BASIC DRAMATIC STRUCTURE AND HOW TO ANALYZE A SCRIPT AS AN ACTOR, DIRECTOR, OR DESIGNER.

THEA-4003 Marketing Techniques **3 Credits**
STUDENTS WILL LEARN TECHNIQUES FOR SELF-MARKETING, INCLUDING RESUME, WEBSITE, AND PORTFOLIO BUILDING. RECOMMENDED IN STUDENT'S FINAL SEMESTER.

THEA-4013 Audition Methods **3 Credits**
SENIOR-LEVEL ACTING COURSE FOCUSED ON SELECTING AND PERFORMING MATERIAL SPECIFIC TO EACH ACTOR'S MOST MARKETABLE TYPE. Required Previous: THEA-1413

THEA-4453 Stage Makeup **3 Credits**
THEORY AND PRACTICE OF COSTUME AND MAKEUP DESIGN AND TECHNIQUES OF CONSTRUCTION AND APPLICATION. TWO HOURS LECTURE AND TWO HOURS LAB WEEKLY.

THEA-4963 Senior Project in Theatre **3 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN THEATRE.

THEA-4981 Seminar-{Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4982 Seminar-{Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4983 Seminar-{Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4984 Seminar-{Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4991 Individual Studies-(Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4992 Individual Studies-(Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4993 Individual Studies-(Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4994 Individual Studies-(Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-F3423 Acting III-Acting in Film 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-H2333 Honors-Theatre in Life 3 Credits
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST INTHEATRE. BOTH THEATRE THEORIES AND PRACTICES WILL BE EXAMINED.

THEA-H2883 Honors-Special Studies-(Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-H3413 Honors-Play Directing 3 Credits
INTRODUCTION TO BASIC DIRECTING TECHNIQUES. SCRIPT ANALYSIS, MOVEMENT, STAGE PICTURES, TECHNICAL PREPARATION, BACKSTAGE ORGANIZATION, PROMPT BOOK PREPARATION. ACTUAL PRODUCTION OF ONE-ACT PLAY IN STUDIO ENVIRONMENT.

THEA-H4983 Honors-Seminar-{Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-H4993 Honors-Individual Studies-(Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-M3423 Acting III-Method Acting 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-P3423 Acting III-Period Styles 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-S3423 Acting III-Acting in Shakespeare 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-S4981 Seminar-(Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-T3423 Acting III-Acting for Music Theatre 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-Y3423 Acting III-Styles 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS,

ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

UNIVERSITY STUDIES (UNIV)

UNIV-1001 Tiger Connect **1 Credit**
THIS ORIENTATION COURSE INTRODUCES STUDENTS TO UNIVERSITY ACADEMIC LIFE, RULES/REGULATIONS, AND STUDY/SURVIVAL SKILLS FOR COLLEGE.

UNIV-1201 President's Leadership Class **1 Credit**
THE PRESIDENT'S LEADERSHIP ONE HOUR SEMINAR CLASS PROVIDES STUDENTS WITH AN OPPORTUNITY TO: EXPLORE THE UNIQUE EXPERIENCES THAT HAVE SHAPED THEIR VIEW OF SELF IN THE CONTEXT OF LEADERSHIP, EXPAND THEIR UNDERSTANDING OF KEY LEADERSHIP CONCEPTS, THEORIES AND MODELS, AND GAIN AN UNDERSTANDING OF THEIR CIVIC RESPONSIBILITY AS LEADERS.

UNIV-1332 International Student Exchange Credits **2 Credits**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-1334 National Student Exchange Credits **4 Credits**
This course is for students participating in an exchange program with another college or university within the United States or it's territories.

UNIV-1555 International Student Exchange Credits **5 Credits**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-2332 International Student Exchange Credits **2 Credits**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-2333 National Student Exchange Credits **3 Credits**
This course is for East Central University undergraduate students participating in an exchange program with another university/college within the United States or its's territories.

UNIV-2555 International Student Exchange Credits **5 Credits**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-3001 General Education Seminar **1 Credit**
THIS COURSE PROVIDES STUDENTS AN OPPORTUNITY TO DEMONSTRATE MASTERY OF THE GENERAL EDUCATION STUDENT LEARNING OUTCOMES.

UNIV-3332 International Student Exchange Credits **2 Credits**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-3333 National Student Exchange Credits **3 Credits**
This course is for students participating in an exchange program with another college or university in the United States or one of it's territories.

UNIV-3551 International Student Exchange Credits **1 Credit**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-4332 International Student Exchange Credits **2 Credits**
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-4981 Seminar in University Studies (subject N **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT

WATER RESOURCE POLICY MANAGEMENT (WRPM)

WRPM-3003 Natural Resources and Policy **3 Credits**
IN THIS COURSE, STUDENTS EXAMINE NATURAL RESOURCE POLICY AND CONTEMPORARY CHALLENGES FROM MULTIPLE PERSPECTIVES. SPECIAL ATTENTION IS PAID TO ISSUES RELATED TO WATER.

WRPM-5103 Policy Research and Methodology **3 Credits**
THIS COURSE WILL STUDY RESEARCH METHODS, RESEARCH STRATEGIES, AND STATISTICAL ANALYSIS SKILLS NECESSARY TO BOTH PRODUCE AND CRITICALLY ANALYZE RESEARCH REPORTS AND DATA COMPILATIONS USED TO FORM PUBLIC POLICY.

WRPM-5113 Advanced Native American Law **3 Credits**
THE STUDY OF ISSUES RELATED TO NATIVE AMERICANS AND THE LAW. EMPHASIS ON THE ANALYSIS OF SOVEREIGNTY ISSUES, TREATIES, AND NATIVE AMERICAN COURTS.

WRPM-5193 Advanced Tribal Politics **3 Credits**
THIS COURSE WILL SURVEY TRIBAL GOVERNMENT AND POLITICS IN THE UNITED STATES WITH A SPECIAL EMPHASIS ON THE INTERGOVERNMENTAL RELATIONSHIPS AMONG TRIBAL, STATE, AND FEDERAL GOVERNMENTS.

WRPM-5203 Natural Resource Hist and Policy **3 Credits**
THIS COURSE EXAMINES PUBLIC LAND AND NATURAL RESOURCES HISTORY AND POLICY FROM MULTIPLE PERSPECTIVES. NATURAL RESOURCE POLICY DEVELOPMENT AND DECISION-MAKING, COMMON DETERMINANTS OF NATURAL RESOURCE CHALLENGES, AND SOLUTIONS TO CONTEMPORARY MANAGEMENT PROBLEMS AND CONFLICTS WILL BE COVERED.

WRPM-5213 Advanced Public Policy Making **3 Credits**
THIS COURSE EXAMINES MODELS OF PUBLIC POLICY MAKING, LEADING THE ANALYSIS OF VARIOUS PROBLEMS CONFRONTING GOVERNMENT. THE COURSE IS CONCERNED WITH INTEREST GROUPS, WHICH INFLUENCE POLICY MAKING, THE PROCESSES (GOVERNMENTAL, INSTITUTIONAL, AND ENVIRONMENTAL) THROUGH WHICH POLICIES FLOW, THE FINAL CONCLUSIONS OF POLICY MAKING, AND THE IMPACT ON SOCIETY.

WRPM-5223 Water in Developing Countries **3 Credits**
THIS COURSE WILL PROMOTE CRITICAL THINKING ABOUT WATER POLICIES, MANAGEMENT, AND ACCESS ISSUES IN THE DEVELOPING WORLD. WATER IS ESSENTIAL FOR SUSTAINING HUMAN LIFE. IT IS VITAL TO OUR WAY OF LIFE AND IS ESSENTIAL FOR AGRICULTURAL PRODUCTION AS WELL AS MAINTAINING THE ECOSYSTEMUPON WHICH ALL LIFE DEPENDS. WATER MANAGERS AND POLICY MAKERS ARE FACING DIFFICULT CHALLENGES SUCH AS INCREASED DEMAND FROM CITIES, CONFLICTS AMONG WATER USERS, COMPETITION FROM FARMERS/AGRICULTURAL USERS, AND EFFECTS OF C

WRPM-5303 Water Resource Policy Analysis **3 Credits**
THIS COURSE FOCUSES ON THE DEVELOPMENT OF WATER RESOURCE POLICIES AND FUNDAMENTALS OF WATER RESOURCE PLANNING. TECHNIQUES FOR EVALUATING ECONOMIC AND ENVIRONMENTAL EFFECTS OF WATER RESOURCE PROJECTS WILL BE EXAMINED, AND POLICIES FOR ALLOCATING THE RESOURCE AMONG COMPETING INTERESTS WILL BE COVERED.

WRPM-5313 Native American Water Rights **3 Credits**
THIS COURSE COVERS THE SCOPE OF TRIBAL, FEDERAL, AND STATE AUTHORITY TO REGULATE OR AFFECT THE DEVELOPMENT OF NATIVE AMERICAN LANDS ESTABLISHED BY STATUTE OR TREATY, TRIBALLY AND INDIVIDUALLY OWNED. STUDENTS WILL EXPLORE THE PHILOSOPHICAL BACKGROUND AND CASE LAW PERTAINING TO NATIVE AMERICAN MANAGEMENT OF WATER. EMPHASIS WILL BE PLACED ON THE NATURE OF THE FEDERAL-TRIBAL TRUST RELATIONSHIPS AND THE DOCTRINE OF RESERVED RIGHTS AS IT APPLIES TO WATER.

WRPM-5403 Water Law **3 Credits**
THIS COURSE EXPLORES LEGAL SCHEMES FOR SECURING AND USING WATER RIGHTS IN SURFACE AND GROUNDWATER FOR PRIVATE AND PUBLIC USES IN THE UNITED STATES. STUDENTS WILL EXAMINE PRIOR APPROPRIATION DOCTRINES OF WATER ALLOCATION, GROUNDWATER MANAGEMENT REGIMES, FEDERAL WATER MANAGEMENT AND REGULATION, AND INTERSTATE ALLOCATION DEVICES.

WRPM-5413 Public Organization Theory **3 Credits**
THIS COURSE COVERS THE KEY CONCEPTS OF PUBLIC ORGANIZATION THEORIES AND THE APPLICATIONS OF THEORIES TO SOLVE WORLD PROBLEMS. A SIGNIFICANT PORTION OF THE CLASS WILL APPLY THE CONCEPTS TO WATER POLICY DECISION-MAKING.

WRPM-5503 Environmental Conflict Mgmt **3 Credits**
THIS COURSE FOCUSES ON THE CAUSES, DYNAMICS, AND CONSEQUENCES OF NATURAL RESOURCE AND ENVIRONMENTAL CONFLICTS AS WELL AS ON THE UNDERSTANDING OF POSSIBLE APPROACHES TO MANAGING THESE CONFLICTS. THE COURSE EXPLORES TRADITIONAL PROCEDURES USED TO MANAGE DISPUTES IN THE PUBLIC SECTOR AND ANALYZE WHY THESE TRADITIONAL MECHANISMS FAIL DURING ENVIRONMENTAL AND RESOURCE DISPUTES. DISPUTE RESOLUTION, MEDIATED NEGOTIATIONS AND MULTI-PARTY COLLABORATIVE EFFORTS ARE EXAMINED.

WRPM-5513 Advanced Watershed Management **3 Credits**
THIS COURSE CONSIDERS THE WATERSHED HOLISTICALLY AND SEEKS SOLUTIONS TO AN INTERRELATED SET OF SOCIAL, ECONOMIC, AND ENVIRONMENTAL PROBLEMS. STUDENTS WILL EXPLORE A WIDE RANGE OF THREATS TO THE PRODUCTIVITY AND HEALTH OF WATERSHEDS AND EXPLORE NEW, COLLABORATIVE APPROACHES TO WATERSHED MANAGEMENT.

WRPM-5603 Water Resource Economics **3 Credits**
EXPLORES THE ECONOMICS OF WATER RESOURCES, INCLUDING STATIC AND DYNAMIC EFFICIENCY FOR CONSUMERS AND PRODUCERS AND OTHER TOPICS CONCERNED WITH WATER QUALITY. EXPLORES EFFECTS OF CLIMATE CHANGE ON WATER RESOURCES, AND ECONOMIC APPROACHES TO MITIGATE THESE EFFECTS.

WRPM-5613 Hydrogeology **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO THE PRINCIPLES AND PRACTICES ASSOCIATED WITH AN UNDERSTANDING OF GROUNDWATER AND ITS UTILIZATION. STUDENTS WILL EXAMINE THE RELATIONSHIP BETWEEN GEOLOGIC MATERIALS AND THE PROCESS OF WATER MOVEMENT WITHIN THE EARTH WITH A CONSIDERATION THAT GROUNDWATER IS A PRECIOUS RESOURCE THAT IS INCREASINGLY AT RISK FROM EXPLOITATION AND CONTAMINATION.

WRPM-5691 Thesis **1 Credit**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5692 Thesis **2 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5693 Thesis **3 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5694 Thesis **4 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5695 Thesis **5 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5696 Thesis **6 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5703 International Environmental Policy **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO CONTEMPORARY INTERNATIONAL ENVIRONMENTAL PROBLEMS FROM THEORETICAL AND POLICY PERSPECTIVES TO UNDERSTAND THE CAUSE OF ENVIRONMENTAL PROBLEMS. STUDENTS WILL INVESTIGATE STRATEGIES USED TO ADDRESS A NATION S PROBLEMS, RECOGNIZING FAILURE AND SUCCESS. ADDITIONALLY, STUDENTS WILL EXAMINE NATIONAL SECURITY AND ECONOMIC STABILITY IN LIGHT OF THE ENVIRONMENTAL POLICIES IN PLACE, PARTICULARLY THOSE POLICIES RELATED TO WATER.

WRPM-5713 Advanced Water Quality and Treatment **3 Credits**
THIS COURSE COVERS THE FUNDAMENTALS OF WATER QUALITY AND DISTRIBUTION SYSTEMS THAT INCLUDE NATURAL PURIFICATION OF SURFACE WATER, WASTEWATER COLLECTION SYSTEMS, WATER AND WASTEWATER TREATMENT TECHNOLOGIES AND DESIGN STRATEGIES.

WRPM-5813 Studies in Environmental Toxicology **3 Credits**
THE COURSE COVERS POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS.

WRPM-5913 Climate Change and Water **3 Credits**
CLIMATE CHANGE AND WATER PROVIDES STUDENTS WITH THE INFORMATION THEY NEED TO UNDERSTAND AND EVALUATE THE EFFECTS OF CLIMATE CHANGE ON MANAGING WATER IN THE HUMAN ENVIRONMENT. A SPECIAL EMPHASIS WILL BE PLACED ON HOW INDIGENOUS TRIBES ARE AFFECTED BY AND MANAGE THE EFFECTS OF CLIMATE CHANGE.

WRPM-5951 Internship in Water Resources **1 Credit**
AN IN-DEPTH AND PRACTICAL STUDY OF WATER RESOURCE POLICY AND MANAGEMENT.

WRPM-5952 Internship in Water Resources **2 Credits**
AN IN-DEPTH AND PRACTICAL STUDY OF WATER RESOURCE POLICY AND MANAGEMENT.

WRPM-5953 Internship in Water Resources **3 Credits**
AN IN-DEPTH AND PRACTICAL STUDY OF WATER RESOURCE POLICY AND MANAGEMENT.

WRPM-5981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.

WRPM-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.

WRPM-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.

WRPM-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.