

ECU COURSE CATALOG

2025-2026 CARTOGRAPHY COURSES

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