**Kenneth D. Andrews, PhD**

Professor, Dean of College of Health and Sciences

B.S. Zoology; M.S. Zoology; Ph.D. Zoology

Office: PES 101

Tel: 580-559-5496

Email: [kandrews@ecok.edu](mailto:kandrews@ecok.edu)

Courses taught: Histology

Research interest: Morphometrics of the testudine carapace

**Michael D Bay, PhD**

Professor, Chair of Biology

B.S. Biology, M.A. Zoology, Ph.D. Zoology

Office: PES 158

Tel: 580-559-5497

Email: [mbay@ecok.edu](mailto:mbay@ecok.edu)

Classes taught: human anatomy, comparative vertebrate anatomy, medical entomology, ornithology, ichthyology, general ecology, marine biology

Research interests: avian ecology and behavior, parasite- host interactions, mosquito biology, vertebrate ecology

**Charlie L. Biles, PhD**

Professor

B.S. Biology, M.S. Botany and Plant Pathology, Ph.D. Plant Pathology

Office: PES 152

Tel: 580-559-5498

Email: [cbiles@ecok.edu](mailto:cbiles@ecok.edu)

Classes taught: Human Physiology, Microbiology, Cell and Molecular Biology, General Biology, Botany, Medical Mycology Seminar, Forensic Biology Seminar, Plant pathology Seminar, Human Genetics Seminar

Research interest: Physiology of fungi, plant pathology, pathogens on imported fruit

**Leah S. Dudley, PhD**

Assistant Professor

B.A. in Biology, Ph.D. Biology

Office: PES 168

Tel: 580-559-5495

Email: [ldudley@ecok.edu](mailto:ldudley@ecok.edu)

Classes taught: Botany, General Biology, Plant Ecophysiology; Other courses taught: Ecology; Human Biology; Science, the Environment and Sustainability, Plant Population Biology; Future courses at ECU include: Mycology and Ethnobotany

Research interests: My research generally explores how plants deal with a drying world, using dichotomies such as male versus female plants of dioecious species and outcrossing vs selfing plant mating systems to test predictions. I meld tools and ideas from both plant ecophysiology and evolution in both field and greenhouse environments from extreme montane environments to lowland prairies.



**Carl D. Gilbert, PhD**

Professor

B.S. in Zoology, M.S. in Microbiology and Food Safety, Ph.D. in Molecular Microbiology and Microbial Physiology

Office: PES 102

Tel: 580-559-5549

Email: [cgilbert@ecok.edu](mailto:cgilbert@ecok.edu)

Classes taught: General Zoology, General Microbiology, Science Teaching Methods, Food Microbiology, Microbial Physiology

Research interest: Improved methods of teaching biology at the college level and improved methods in food safety.

**Alisha Howard, PhD**

Assistant Professor

B.S. Biochemistry and Molecular Biology, B.S. Chemistry (A.C.S.certif), Ph.D. Biochemistry and Molecular Biology Office: PES 164

Tel: 580-559-5792

Email: [ahoward@ecok.edu](mailto:ahoward@ecok.edu)

Classes taught: General Biology, Genetics; On rotation: Intro to Biotechnology, Biochemistry of Human Disease, Research Methods/BioEthics, Genomics and Bioinformatics

Research interest: We are using the viral oncoprotein Tax from Human T-cell Leukemia Virus to identify new host-virus interactions important in viral gene activation.

**Jose Montvala**

Adjunct

Office: PES 146

Tel: none

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**Vaden Morgan**

Adjunct

Office: PES 146

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**J. Bruce Moring, PhD**

Assistant Professor

B.S. Biology, M.S. Zoology, and Ph.D. Ecology

Office: PES 148  
 Tel: 580-559-5657

Email: [bmoring@ecok.edu](mailto:bmoring@ecok.edu)

Classes taught: General Biology, General Zoology, Limnology, Stream Ecology, and Senior Seminar

Research interest (please keep this short): The influence of altered streamflow on the ecological integrity of stream ecosystems.

 **April Nesbit, PhD**

Assistant Professor

B.S. Biochemistry, Ph.D. Biomolecular Chemistry distributed

Office: PES 170

Tel: 580-559-5501

Email: anesbit@ecok.edu

Classes taught: General Biology, General Microbiology, Forensics, Immunology, Biochemical Genetics, Cell and Molecular Biology, Advanced Molecular Biology, Biology Senior Seminar

Research interest: Regulation of alternative metabolism in *E. coli*, identifying bacteria isolates from Blue River, isolating bacteria that produce antibiotics

**George Wang, PhD**

Assistant Professor

B.S. Zoology, M.S. Biology, Ph.D. Environmental and Evolutionary Biology

Office: PES 104

Tel: 580-559-5694

Email: [gwang@ecok.edu](mailto:gwang@ecok.edu)

Classes taught: Human Anatomy, Medical Terminology, General Biology, Evolution

Research interest: I am a community ecologist interested in plant–insect interactions. I conduct field and laboratory based experiments to examine the effects of various biotic and abiotic factors on insect performance and community dynamics.