

## **BIMS Directed Electives Spring 2024**

### **Animal Science**

**ANSC 107:** General Animal Science  
**ANSC 108:** General Animal Science Laboratory  
**ANSC 210:** Companion Animal Science  
**ANSC/NUTR 303:** Animal Nutrition  
**ANSC 318:** Animal Feeds and Feeding  
**ANSC 320:** Animal Nutrition and Feeding  
**ANSC/FSTC 326:** Food Bacteriology

### **Biochemistry**

**BICH 414:** Biochemical Techniques I  
**BICH/GENE 431:** Molecular Genetics  
**BICH/GENE 432:** Molecular Genetics Lab

### **Biomedical Sciences**

**BIMS 110:** One Health in Action  
**BIMS 125:** Animals in Society  
**BIMS 285:** Directed Studies (U1/U2 classification only – approval required)  
**BIMS 291:** Research (U1/U2 classification only – approval required)  
**BIMS 380:** Equine-Assisted Activities and Therapies: Best Practices  
**BIMS 421:** Advanced Human Genetics  
**BIMS 481:** Seminar in Biomedical Science  
**BIMS 484:** Biomedical Science Field Experience (approval required)  
**BIMS 485:** Directed Studies (U3/U4 classification only – approval required)  
**BIMS 491:** Research (U3/U4 classification only – approval required)

### **Biology**

**BIOL 401:** Critical Writing in Biology  
**BIOL 402:** Communicating Biological Research to the Public  
**BIOL 403:** Medical Narratives

### **Communication**

**COMM 370:** Health Communication

### **Entomology**

**ENTO 208:** Veterinary Entomology (co-requisite ENTO 209)  
**ENTO 209:** Veterinary Entomology Laboratory (co-requisite ENTO 208)  
**ENTO 210:** Global Public Health Entomology

**ENTO 423:** Medical Entomology (co-requisite ENTO 427)

**ENTO 425:** Disease Ecology

**ENTO 427:** Medical Entomology Laboratory (co-requisite ENTO 423)

**ENTO/FIVS 431:** The Science of Forensic Entomology

**ENTO/FIVS 432:** Applied Forensic Entomology

### **Neuroscience**

**NRSC/VIBS 277:** Essential Neuroscience – Molecules to Nervous System

**NRSC/VIBS 489:** Special Topics: Developmental Neurotoxicology

### **Nutrition**

**NUTR 222:** Nutrition for Health and Health Care (Distance Education only)

### **Poultry Science**

**POSC 454:** Animal Welfare

### **Urban Planning**

**URPN 370:** Health Systems Planning

### **Veterinary Integrative Biosciences**

**VIBS 111:** Biodefense, Biosecurity, and Bioterrorism

**VIBS 210:** 21<sup>st</sup> Century Global One Health

**VIBS 243:** Introductory Mammalian Histology

**VIBS 285:** Directed Studies (U1/U2 classification only – approval required)

**VIBS 411:** Tumor Cell Biology and Carcinogenesis

**VIBS 422:** Endocrine Toxicology

**VIBS 443:** Biology of Mammalian Cells and Tissues

**VIBS 485:** Directed Studies (U3/U4 classification only – approval required)

### **Veterinary Large Animal Clinical Sciences**

**VLCS 485:** Directed Studies (U3/U4 classification only – approval required)

### **Veterinary Small Animal Clinical Sciences**

**VSCS 485:** Directed Studies (U3/U4 classification only – approval required)

### **Veterinary Pathobiology**

**VTPB 221:** Great Diseases of the World

**VTPB 285:** Directed Studies (U1/U2 classification only – approval required)

**VTPB 301/RWFM 309:** Wildlife Diseases

**VTPB 407:** Advanced Veterinary Microbiology Laboratory (McAllen only)

**VTPB 409:** Introduction to Immunology

**VTPB 410:** Cell Mechanisms of Disease

**VTPB 438:** Biomedical Virology

**VTPB 460:** Mammalian Cell Pathobiology

**VTPB 485:** Directed Studies (U3/U4 classification only – approval required)

### **Veterinary Physiology & Pharmacology**

**VTPP 208:** Analysis and Evaluation of Physiology Education

**VTPP 224:** In Vitro Experimentation

**VTPP 234:** Design of Models for Physiology Research

**VTPP 235:** Analysis and Validation of Models for Physiology Research

**VTPP 285:** Directed Studies (U1/U2 classification only – approval required)

**VTPP 291:** Research (U1/U2 classification only – approval required)

**VTPP 425:** Pharmacology

**VTPP 427:** Applied Biomedical Physiology

**VTPP 429:** Introduction to Toxicology

**VTPP 444:** Practicum in Biomedical Research

**VTPP 452:** Fetal & Embryo Physiology

**VTPP 485:** Directed Studies (U3/U4 classification only – approval required)

**VTPP 491:** Research (U3/U4 classification only – approval required)