

## Fall 2024 BIMS Directed Electives

### Animal Science

**ANSC 107:** General Animal Science (3hrs) – NONE

**ANSC 210:** Companion Animal Science (3hrs) – NONE

**ANSC 303/NUTR 303:** Principles of Animal Nutrition (3hrs) – (ANSC 113 w/Min Grade C and CHEM 101 w/Min Grade D or CHEM 119 w/Min Grade D) or CHEM 222 w/Min Grade D or CHEM 227 w/Min Grade D

### Anthropology

**ANTH 435:** Medical Anthropology – U3/U4; Fall Only

### Biochemistry

**BICH 431/GENE 431:** Molecular Genetics (3hrs) – (BICH 409 w/Min Grade D or BICH 410 w/Min Grade D or BICH 440 w/Min Grade D) and (GENE 301 w/Min Grade D or GENE 302 w/Min Grade D or GENE 320 w/Min Grade D); U3/U4

**BICH 432/GENE 432:** Laboratory in Molecular Genetics (2hrs) – GENE 301, GENE 302, or GENE 320; BICH 431 or GENE 431. Cross-listed with GENE 432; U3/U4

### Biomedical Sciences

**BIMS 110:** One Health in Action (1hr) – BIMS major; U1/U2

**BIMS 125:** Animals in Society (1hr) – Aggie ACHIEVE students only

**BIMS 291:** Research (0-4hrs) – NONE

**BIMS 380:** Equine-Assisted Activities and Therapies (3hrs) – NONE

**BIMS 405/GENE 405:** Mammalian Genetics (3hrs) – BIMS major; GENE 301 w/Min Grade D or BIMS 320 w/Min Grade D or GENE 320 w/Min Grade D; U3/U4; Fall Only

**BIMS 481:** Seminar in Biomedical Science (1hr) – BIMS/USVM majors; BIOL 401 w/Min Grade D or BIOL 402 w/Min Grade D or BIOL 403 w/Min Grade D or VIBS 310 w/Min Grade S or VIBS 311 w/Min Grade S; U3/U4

**BIMS 484:** Biomedical Science Field Experience (2hrs) – BIMS majors; S/U; U3/U4

**BIMS 485:** Directed Studies (0-4hrs) – NONE

**BIMS 491:** Research (0-4hrs) – VIBS 285 w/Min Grade C or VIBS 285 w/Min Grade S or VTPP 285 w/Min Grade C or VTPP 285 w/Min Grade S or VTPB 285 w/Min Grade C or VTPB 285 w/Min Grade S or BIMS 291 w/Min Grade C or BIMS 291 w/Min Grade S or VTPP 291 w/Min Grade C or VTPP 291 w/Min Grade S or BIMS 485 w/Min Grade C or BIMS 485 w/Min Grade S or VIBS 485 w/Min Grade C or VIBS 485 w/Min Grade S or VTPP 485 w/Min Grade C or VTPP 485 w/Min Grade S or VTPB 485 w/Min Grade C or VTPB 485 w/Min Grade S or VLCS 485 w/Min Grade C or VLCS 485 w/Min Grade S or VSCS 485 w/Min Grade C or VSCS 485 w/Min Grade S or VTPP 491 w/Min Grade C or VTPP 491 w/Min Grade S

### Biology

**BIOL 213:** Molecular Cell Biology – BIOL 112 w/Min Grade D and (CHEM 120 w/Min Grade D or CHEM 102 w/Min Grade D and CHEM 112 w/Min Grade D)

## Communication

COMM 370: Health Communication (3hrs) – U3/U4 hasn't been taught yet

## Entomology

ENTO 208: Veterinary Entomology (2hrs) – ENTO 209 w/Min Grade D (concurrency)

ENTO 209: Veterinary Entomology Lab (1hr) – ENTO 209 w/Min Grade D (concurrency)

ENTO 210: Global Public Health Entomology (3hrs) – U1/U2

ENTO 423: Medical Entomology (2hrs) – BIOL 111 w/Min Grade D and ENTO 427 w/Min Grade D (concurrency); U3/U4

ENTO 427: Medical Entomology Lab (1hr) – BIOL 111 w/Min Grade D and ENTO 423 w/Min Grade D (concurrency); U3/U4

ENTO 431/FIVS 431: The Science of Forensic Entomology (3hrs) – NONE; U3/U4;

## Health

HLTH 354: Medical Terminology for Health Professionals (3hrs) – U3/U4

## Marketing

MKTG 443/PHLT 426: The Business of Healthcare (3hrs) – ACCT, BHNR, FINC, MGMT, MISY, MKTG, SCMT majors; U3/U4 Fall Only

## Nutrition

NUTR 202: Fundamentals of Human Nutrition (3hrs) – NONE

NUTR 222: Nutrition for Health and Health Care (3hrs) – NONE

## Urban Planning

URPN 370: Health Systems Planning (3hrs) – U3/U4

## Veterinary Integrative Biosciences

VIBS 111: Biodefense, Biosecurity, and Bioterrorism (1hr) – BIMS/USVM major; U1/U2

VIBS 211: Twenty-first Century Biological Threats (1hr) – BIMS 101 w/Min Grade D and (BIMS 110 w/Min Grade D or VIBS 111 w/Min Grade D); U1/U2; Fall Only

VIBS 243: Introductory Mammalian Histology (2hrs) – BIMS/BMEN majors; U1/U2

VIBS 277/NRSC 277: Essential Neuroscience - From Molecules to Nervous Systems (3hrs) – U2

VIBS 285: Directed Studies (0-4hrs) – U1/U2

**VIBS 305: Biomedical Anatomy (4hrs)** – BIMS major; BIOL 112 w/Min Grade C and CHEM 228 w/Min Grade C; U3/U4; last taught Fall 2023

**VIBS 310: Biomedical Writing (1hr)** – U/S; BIOL 112 w/Min Grade C and CHEM 228 w/Min Grade C and PHYS 202 w/Min Grade C and ( MATH 142 w/Min Grade C or MATH 151 w/Min Grade C ); U3/U4; CURRENTLY Study Abroad; CURRENTLY Fall Only

**VIBS 343: Histology (4hrs)** – BIOL 112 w/Min Grade D and CHEM 228 w/Min Grade D; U3/U4; Fall Only

**VIBS 401/NRSC 401: Developmental Neurotoxicology (2hrs)** – NRSC, BIMS majors; U3/U4; Fall Only

**VIBS 424/VTPP424: Biomedical Neuroendocrinology and Endocrine Disorders (3hrs)** – BIMS major; U3/U4 Fall Only

**VIBS 450/NRSC 450: Mammalian Functional Neuroanatomy (4hrs)** – BIMS, BIOL, PBSI majors; Fall Only

**VIBS 485: Directed Studies (0-4hrs)** – U3/U4

### **Veterinary Large Animal Clinic Sciences**

**VLCS 485: Directed Studies (0-4hrs)** – U4

### **Veterinary Small Animal Clinic Sciences**

**VSCS 485: Directed Studies (0-4hrs)** – hasn't been offered since Fall 2022

### **Veterinary Pathobiology**

**VTPB 221: Great Diseases of the World (3hrs)** – BIMS major; U1/U2

**VTPB 285: Directed Studies (0-4hrs)** – U1/U2

**VTPB 409: Introduction to Immunology (3hrs)** – BIMS/USVM major; BICH 410 or equivalent, or VTPB 405; U3/U4

**VTPB 438: Biomedical Virology (3hrs)** – BIMS major; VTPB 405, BIMS/GENE 320 Recommended; U3/U4; McAllen Campus

**VTPB 485: Directed Studies (0-4hrs)** – U3/U4

**VTPB 487/BIOL 487: Biomedical Parasitology (4hrs)** – BIMS major; BIOL 107 w/Min Grade D or BIOL 111 w/Min Grade D; U3; Fall Only

### **Veterinary Physiology and Pharmacology**

**VTPP 207: Methodologies of Physiology Education Research (3hrs)** – last taught Fall 2022

**VTPP 223: Design of Experiments for Physiology Research (3hrs)** – VTPP 123 w/Min Grade D last taught Fall 2019

**VTPP 232: Theoretical Foundations of Health Disparities Research (3hrs)** – last taught Fall 2022

**VTTP 234:** Design of Models for Physiology Research (3hrs) – last taught Fall 2022

**VTTP 285:** Directed Studies (0-4hrs) – U1/U2

**VTTP 291:** Research (0-4hrs)

**VTTP 404:** Food Toxicology and Safety (3hrs) – U3/U4

**VTTP 425:** Pharmacology (3hrs) – VTTP 423 w/Min Grade D or BIOL 320 w/Min Grade C; U3/U4

**VTTP 429:** Introduction to Toxicology (3hrs) – BIMS/USVM majors; VTTP 423 w/Min Grade D or BIOL 320 w/Min Grade C; U3/U4

**VTTP 438:** Analysis of Genomic Signals (3hrs) – BIMS major; (BIMS 320 w/Min Grade D or GENE 320 w/Min Grade D ) and STAT 302 w/Min Grade D; U3/U4; Fall only

**VTTP 444:** Practicum in Biomedical Research (3hrs) – ( VTTP 223 w/Min Grade D and VTTP 224 w/Min Grade D ) or ( VTTP 234 w/Min Grade D and VTTP 235 w/Min Grade D ) or ( VTTP 232 w/Min Grade D and VTTP 233 w/Min Grade D ) or ( VTTP 207 w/Min Grade D and VTTP 208 w/Min Grade D ); U3/U4

**VTTP 481:** Seminar (4hrs)

**VTTP 485:** Directed Studies (0-4hrs) – U3/U4

**VTTP 491:** Research (0-4hrs) – U3/U4