VETERINARY MEDICINE

College of Veterinary Medicine

101 Veterinary Medicine in Society
Fall. 1(0-0) R: Open only to Veterinary Technology majors.
Role of the veterinary profession in animal and human health. Impact of veterinary medicine on society.

110 Veterinary Medical Terminology
Fall. 1(1-0) R: Open only to Veterinary Technology majors.
Veterinary medical terminology, focusing on fundamental recognition, interpretation and usage of medical terms.

120 Applied Biochemistry and Nutrients for Veterinary Technicians
Fall. 2(2-0) R: Open only to Veterinary Technology majors.
Basic fundamentals of cell structure and metabolism. Energy metabolism, nutrients and nutrient requirements of common domestic species.

130 Comparative Anatomy for Veterinary Technicians
Fall. 2(1-2) R: Open only to Veterinary Technology majors.
Gross anatomy of the common animal species encountered in veterinary medicine. Overview of the functional anatomy of the musculoskeletal, digestive, cardiovascular, cutaneous, respiratory, urogenital, nervous, and endocrine systems and the special senses.

140 Pharmacology for Veterinary Technicians
Fall. 2(2-0) R: Open only to Veterinary Technology majors.
Fundamentals of characteristics, classification and usage of veterinary pharmaceuticals. Introduction to and application of dosage and formulation calculations.

150 Hospital Procedures and Communication
Spring. 2(2-0) P:M: (VM 110 and VM 140) R: Open only to Veterinary Technology majors.
Development of various modalities of professional and client communication skills.

210 Surgical Nursing for Veterinary Technicians
Fall. 2(2-0) P:M: (VM 160) R: Open only to Veterinary Technology majors. C: VM 215 concurrently, VM 303 concurrently.
Role of the veterinary technician as a member of the veterinary surgical team.

240 Veterinary Technology Careers and Professional Development
Fall. 1(1-0) R: Open only to Veterinary Technology majors.
Career options in veterinary technology, discussion of professional, ethical and legal considerations. Portfolio development, resume and cover-letter writing skills.

245 Parasitology for Veterinary Technicians
Spring. 2(1-2) P:M: (VM 140 and VM 175) R: Open only to Veterinary Technology majors. C: VM 215 concurrently.
Parasites of veterinary and public health importance, including gross and microscopic morphology, transmission, and control.

250 Veterinary Comparative Clinical Pathology
Spring. 2(5-0) P:M: (VM 110 and VM 120 and VM 130) R: Open only to Veterinary Technology majors.

255 Small Animal Diseases and Management
Fall. 3(3-0) P:M: (VM 160 and VM 170 and VM 250) R: Open only to Veterinary Technology majors.
Pathophysiology, transmission, diagnostic process, clinical management and prevention of canine and feline diseases.

265 Dentistry Techniques for Veterinary Technicians
Spring. 1(0-4) P:M: (VM 215) R: Open only to Veterinary Technology majors.
Veterinary dental techniques and oral cavity assessment for companion animals.

270 Health Care Development for Veterinary Technicians
Spring. 1(0-3) P:M: (VM 210 and VM 215 and VM 255) R: Open only to Veterinary Technology majors.
Service-oriented approach to the health care development in an operational animal care facility.

275 Large Animal Diseases and Management
Spring. 3(3-0) P:M: (VM 165 and VM 170 and VM 250) R: Open only to Veterinary Technology majors.
Diseases, husbandry, preventative health care and client education for equine and food animal species.

285 Clinical Nutrition for Veterinary Technicians
Fall. 1(1-0) P:M: (VM 250) R: Open only to Veterinary Technology majors.
Nutritional assessment and management of common domestic species in veterinary medicine.

290 Special Studies in Veterinary Medicine
Fall. 1(1-0) P:M: (VM 150) R: Open only to Veterinary Technology majors. C: VM 215 concurrently.
Faculty-directed individual study on an experimental, theoretical or applied problem. May involve a supervised off-campus experience.

295 Biomedical Research and Regulatory Issues for Veterinary Technologists
Fall. 1(1-0) P:M: (VM 150) R: Open only to Veterinary Technology majors.
Principles and techniques of biomedical research, governance and regulation of animal care and use.
Veterinary Medicine—VM

303  Anesthesiology for Veterinary Technicians
Fall. 2(2-0) P:M: (VM 140 and VM 250) R: Open only to Veterinary Technology majors.
C: VM 215 concurrently, VM 210 concurrently.

304  Radiology for Veterinary Technicians
Spring. 2(2-0) P:M: (VM 110 and VM 130) R: Open only to Veterinary Technology majors.
Production of radiographs, components of the x-ray machine, use of screens and grids, handling film, imaging quality, film processing, patient positioning, and radiation safety.

305  Hospital Practice Management for Veterinary Technologists
Spring. 2(2-0) P:M: (VM 150 and VM 155) R: Open only to Veterinary Technology majors.
Veterinary practice economics, personnel management, inventory control and marketing techniques.

310  Advanced Clinical Pathology Techniques
Spring. 1(0-2) P:M: (VM 175 and VM 176) R: Open only to Veterinary Technology majors.
Advanced cytologic techniques including sample collection, processing and evaluation.

369  Introduction to Zoo and Aquarium Science
Spring. 3(3-0) Interdepartmental with Zoology: Landscape Architecture; Fisheries and Wildlife. Administered by Department of Zoology. P:M: (BS 110 or LBS 144 or LBS 148H)
Fundamentals of zoo and aquarium operations including research, interpretation, design, nutrition, captive breeding, conservation, ethics and management.

410  Veterinary Technology Clerkship in Anesthesiology
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in anesthesiology.

411  Veterinary Technology Clerkship in Radiology
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in radiology.

412  Veterinary Technology Clerkship in Companion Animal Medicine
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Open only to Veterinary Technology majors who have completed the preclinical coursework.
Application of principles and techniques in restraint, examination, nursing care, monitoring, and preventive medicine of companion animals.

413  Veterinary Technology Clerkship in Companion Animal Surgery
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in surgical nursing.

414  Veterinary Technology Clerkship in Equine Medicine and Surgery
Fall, Spring, Summer. 3 credits. P:M: (VM 415) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in equine medicine and surgery.

415  Veterinary Technician Clerkship in Food Animal and Equine Medicine and Surgery
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in food animal and equine medicine and surgery.

416  Veterinary Technology Clerkship in Animal Medicine
Fall, Spring, Summer. 3 credits. P:M: (VM 140 and VM 250) R: Open only to Veterinary Technology majors.
C: VM 215 concurrently, VM 210 concurrently.

450  Veterinary Technology Clerkship in Emergency Medicine
Fall, Spring, Summer. 3 credits. P:M: (VM 412) R: (VM 410 and VM 411 and VM 413) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in emergency medicine.

451  Veterinary Technology Clerkship in Cardiology
Fall, Spring, Summer. 3 credits. P:M: (VM 412) R: (VM 410 and VM 411 and VM 413) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in cardiology.

452  Veterinary Technology Clerkship in Neurology
Fall, Spring, Summer. 3 credits. P:M: (VM 412) R: (VM 410 and VM 411 and VM 413) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in neurology and physical therapy.

453  Veterinary Technology Clerkship in Ophthalmology
Fall, Spring, Summer. 3 credits. P:M: (VM 412) R: (VM 410) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in ophthalmology.

454  Veterinary Technology Clerkship in Critical Care
Fall, Spring, Summer. 3 credits. P:M: (VM 412) R: (VM 410 and VM 411 and VM 413) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in critical care.

455  Veterinary Technology Clerkship in Neonatology
Fall, Spring, Summer. 3 credits. P:M: (VM 412) R: (VM 410 and VM 411 and VM 413) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in neonatology.

456  Veterinary Technology Clerkship in Large Animal Anesthesia
Fall, Spring, Summer. 3 credits. P:M: (VM 410 and VM 415) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques of food animal and equine anesthesia.

470  Veterinary Technology Clerkship in Food Animal Medicine
Fall, Spring, Summer. 3 credits. P:M: (VM 415) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in food animal medicine.

480  Veterinary Technology Clerkship in Clinical Pathology
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in clinical pathology.

482  Veterinary Technology Clerkship in Necropsy
Fall, Spring, Summer. 3 credits. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in postmortem examination of common domestic species with emphasis on specimen description, collection, and submission.

483  Veterinary Technology Clerkship in Biomedical Research
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: (VM 410 and VM 482) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in biomedical research involving laboratory animals.

484  Veterinary Technology Clerkship in Zoo and Wildlife Medicine
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P:M: (VM 270 and VM 275 and VM 303 and VM 304) R: (VM 410) Completion of preclinical coursework.
R: Open only to Veterinary Technology majors.
Application of principles and techniques in zoo and wildlife medicine.

485  Veterinary Technology Clerkship in Special Problems
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P:M: (VM 302) R: Open only to senior students in the Veterinary Technology major.
Application of principles and techniques in experimental, therapeutic, or laboratory medicine.
WOMEN'S STUDIES

Women's Studies Program
College of Arts and Letters

201 Introduction to Women's Studies
Fall, Spring, Summer. 4(4-0)
Diversity of women's situations in social, cultural, historical and international contexts. Focus on women as victims of oppression and as agents. Concept basic to feminist thought: gender systems, patriarchy.

202 Introduction to Contemporary Feminist Theories
Fall. 3(3-0) P:M: (WS 201) RB: Or approval of program. R: Not open to freshmen. Contemporary feminist theories of patriarchy, oppression, liberation, sexuality, and the meaning of "woman." Influences of liberalism, Marxism, Freud. Intersections of sex, race, class, and ethnicity. Theories by women of color.

203 Bibliographic Methods for Women's Studies Research
Fall of odd years. 3(3-0) P:M: Completion of Tier I writing requirement. Women's studies as interdisciplinary knowledge. Bibliographic and reference sources. Library organization of information. Research problems.

204 Lesbian, Bisexual, and Gay Studies: Psychological and Cultural Issues
Spring of odd years. 3(3-0) Interdepartmental with Psychology.

211 Introduction to Gender and Environmental Issues
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife; Forestry; Environmental Economics and Policy; Resource Development. Administered by Department of Fisheries and Wildlife. R: Not open to freshmen.
SA: PRM 211

225 Women and Language
Fall. 3(3-0) Interdepartmental with Linguistics. Administered by Department of Linguistics and Germanic, Slavic, Asian and African Languages.
Women and language in societies around the world. Issues such as status and verbal politeness, importance of names, gender differences in language use, women's multilingualism, sexist language, gendered language development in children.

301 Sexual Violence Against Women and Children: Theory and Response
Spring. 3(3-0) RB: (WS 201 Or WS 202 Or WS 203) R: Not open to freshmen. Sexual violence against women and children from theoretical and applied perspectives. Rape, battering, incest and sexual harassment. Intersection of race, class, gender and violence. Individual and collective strategies to prevent or deter assault, race, class, gender and violence.

302 Jewish Women's Experiences and Writings
Fall of even years. 3(3-0) RB: (WS 201 Or WS 202 Or WS 203) R: Not open to freshmen.

321 Lesbian Cultures and Identities
Fall of even years. 3(3-0) RB: (WS 201 and WS 202) Lesbian history, lesbian cultures/communities, and the construction of lesbian identity.

322 Lesbian Literature, Arts, and Popular Culture
Fall of odd years. 3(3-0) RB: (WS 201 and WS 202) Lesbian writers and artists as contributors to popular and high culture.

400 Women in Classical Greek Society
Spring of odd years. 3(3-0) Interdepartmental with Classical Studies. Administered by Department of French, Classics, and Italian. R: Not open to freshmen or sophomores.
Image, role, and status of women in Greek society as seen through literary sources.

401 Feminist Theory
Spring. 4(4-0) P:M: (WS 201 and WS 202) R: Not open to freshmen or sophomores. Integrative and multidisciplinary approaches to theory in women's studies. Conceptualization of sex and gender and the subordination of women. Feminist critique of theories of knowledge. Comparison of evolving feminist theories.

403 Women and Change in Developing Countries
Spring. 3(3-0) RB: (WS 201 Or WS 202 Or WS 203) R: Not open to freshmen or sophomores. Effects of economic, political, and social change on women in developing countries. Interrelationships of gender, class, race, and nationality.

404 Women and the Law in the United States
Fall of odd years. Spring of odd years. 3(3-0) Interdepartmental with Fisheries and Wildlife. RB: (WS 201 or WS 202 or WS 203) R: Not open to freshmen or sophomores.
Law in the United States as a vehicle for structuring and maintaining women's social roles, and for social change.

413 Families in Historical Perspective
Fall. 3(3-0) Interdepartmental with History. Administered by Department of History. R: Not open to freshmen.
Changing gender roles, sex in the Victorian era, prostitution, pornography, birth control, emergence of homo- and heterosexuality, sex under fascism, the sexual revolution, contemporary conflicts.

420 History of Sexuality since the 18th Century
Fall, Spring. 3(3-0) Interdepartmental with History. Administered by Department of History. R: Not open to freshmen.
Changing gender roles, sex in the Victorian era, prostitution, pornography, birth control, emergence of homo- and heterosexuality, sex under fascism, the sexual revolution, contemporary conflicts.

425 Women and Criminal Justice
Spring of even years. 3(3-0) Interdepartmental with Criminal Justice. Administered by School of Criminal Justice. RB: (CJ 220 Or WS 201) R: Open only to juniors or seniors.
Theories on women's victimization and criminality. Women's experiences as victims, offenders, and criminal justice employees. Laws and their effects on the rights of women in the criminal justice system.

453 Women and Work: Issues and Policy Analysis
Spring. 3(3-0) Interdepartmental with Environmental Economics and Policy; Economics. Administered by Department of Agricultural Economics. RB: (EC 201 or EC 202 or EEP 201 or concurrently) R: Not open to freshmen or sophomores.

482 Theory and Practice of Feminist Literary Criticism
Spring. 3(3-0) Interdepartmental with English. Administered by Department of English. P:M: (ENG 353 or ENG 379 or WS 202) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of English or Women's Studies Program or English disciplinary minor.
Feminist literary critical theory and its implications for reading and studying literature.