### Descriptions of Courses

Courses are subject to revision and final approval.

#### URBAN PLANNING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
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</thead>
<tbody>
<tr>
<td>834*</td>
<td>Urban Design and Project Development</td>
<td>3(1-4)</td>
<td>Spring</td>
</tr>
<tr>
<td>835*</td>
<td>Decision Theory for Urban Planning and Development</td>
<td>3(0-0)</td>
<td>Spring</td>
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<tr>
<td>836*</td>
<td>Urban Policy Analysis</td>
<td>3(0-0)</td>
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### VETERINARY MEDICINE (VM)

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>511*</td>
<td>Veterinary Perspectives I</td>
<td>3(0)</td>
<td>Fall</td>
</tr>
<tr>
<td>512*</td>
<td>Veterinary Perspectives II</td>
<td>3(0)</td>
<td>Fall</td>
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#### MUSCULOSKELETAL DISEASES

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<th>Course Code</th>
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<tbody>
<tr>
<td>544*</td>
<td>Veterinary Public Health</td>
<td>3(0-0)</td>
<td>Spring</td>
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#### PRINCIPLES OF ANESTHESIA AND SURGERY

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<th>Course Code</th>
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<tbody>
<tr>
<td>545*</td>
<td>Principles of Anesthesia and Surgery</td>
<td>3(0-0)</td>
<td>Spring</td>
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#### REGULATORY DISEASES

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<th>Credits</th>
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<tbody>
<tr>
<td>546*</td>
<td>Regulatory Diseases</td>
<td>3(0-0)</td>
<td>Spring</td>
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#### RESPIRATORY DISEASES

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<tbody>
<tr>
<td>547*</td>
<td>Respiratory Diseases</td>
<td>3(0-0)</td>
<td>Spring</td>
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#### PRINCIPLES OF RADIOLOGY

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<tbody>
<tr>
<td>548*</td>
<td>Principles of Radiology</td>
<td>3(0-0)</td>
<td>Spring</td>
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#### VETERINARY EPIDEMIOLOGY

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<tbody>
<tr>
<td>549*</td>
<td>Veterinary Epidemiology</td>
<td>3(0-0)</td>
<td>Spring</td>
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Courses with an asterisk (*) have not been approved by the University Committee on Curriculum.
VETERINARY MEDICINE

550. Preventive Veterinary Medicine and Public Health
Spring. 3(3-0)
P: Completion of Year 1 of the College of Human Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Public health aspect of veterinary medicine. Preventive and regulatory medicine including meat and milk hygiene, water supply and treatment, solid and liquid waste treatment and disposal and zoosanitation.

552. Veterinary Integrative Problem Solving V
Fall. 3(3-0)
P: Admission to the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none
Integration of subject material from concurrent and previous semester courses.

553. Theriogenology and Urinary Diseases
Fall. 2(2-0)
P: Admission to the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none
Urogenital diseases of domestic animals, with emphasis on pathogenesis and principles of diagnosis and treatment.

554. Hematological, Oncological and Dermatological Diseases
Fall. 3(0-0)
P: Admission to the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none
Hematological, oncological and dermatological diseases of domestic animals with emphasis on pathogenesis, clinical presentation and principles of diagnosis and treatment.

555. Neurological and Ophthalmological Diseases
Fall. 3(3-0)
P: Admission to the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none
Neurological and ophthalmological diseases of domestic animals, with emphasis on pathogenesis and principles of diagnosis and treatment.

556. Digestive, Metabolic and Endocrinological Diseases
Fall. 3(2-0)
P: Admission to the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none
Digestive, metabolic, and endocrinological diseases of domestic animals with emphasis on pathogenesis and principles of diagnosis and treatment.

557. Operative Surgery
Fall. 2(1-3)
P: Admission to the College of Veterinary Medicine. C: no R: College of Veterinary Medicine Veterinary Medicine none
Soft tissue and orthopedic surgery of domestic animals, including preoperative evaluation, surgery and postoperative care.

560. Urinary System
Spring. 2(3-0)
P: Completion of Year 1 of the College of Veterinary Medicine R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Normal and abnormal structure and function, diagnostic methods, and the medical and surgical manipulation of the urinary system.

561. Core of Medicine Laboratories I
Spring. 1(0-3)
P: Completion of Year 1 of the College of Veterinary Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Classification, diagnosis and treatment of diseases of the urinary, hematopoietic, nervous, integumentary and visual systems of animals.

562. Hematopoietic System
Spring. 2(2-0)
P: Completion of Year 1 of the College of Veterinary Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Normal structure and function of the hematopoietic system and pathophysiological effects of hematopoietic diseases. Clinical manifestations, laboratory evaluation and medical management.

563. Visual System
Spring. 1(1-0)
P: Completion of Year 1 of the College of Veterinary Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Methods of examination, diagnosis and treatment of ocular diseases.

564. Survey of Infectious Agents
Spring. 2(2-0)
P: Completion of Year 1 of the College of Veterinary Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Host-microorganism relationship in diseases of animals; laboratory diagnosis, treatment, control, and public health significance.

565. Nervous System
Spring. 2(3-0)
P: Completion of Year 1 of the College of Veterinary Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Normal and abnormal nervous system with emphasis on clinical neurological and neuropathology.

566. Integumentary System
Spring. 2(2-0)
P: Completion of Year 1 of the College of Veterinary Medicine. R: Year 2 College of Veterinary Medicine Veterinary Medicine none
Diseases of the integumentary system of animals with emphasis on laboratory examinations, interpretation of pathological features, diagnosis and treatment.

567. Principles of Anesthesia
Fall. 1(1-0)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Principles and techniques of administering anesthetic agents. Supportive care including fluid therapy, emergency procedures. Euthanasia agents.

568. Cardiovascular System
Spring. 2(2-0)
P: Completion of Year 2 of the College of Veterinary Medicine R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Pathogenesis, diagnosis, and management of cardiovascular diseases in animals. Anatomical, physiological, pathological and pharmacological principles providing the basis for medical and surgical treatment.

572. Respiratory System
Fall. 3(3-0)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Pathogenesis, diagnosis, and management of respiratory diseases of animals; anatomical, physiological and surgical treatments. Diagnostic and surgical procedures and radiologic interpretation.

573. Digestive System I
Fall. 3(0-0)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Pathogenesis, diagnosis, and treatment of diseases of the alimentary tract and digestive organs of small animals.

574. Principles of Surgery I
Fall. 2(1-3)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Fundamentals of surgery. Common procedures used in soft tissue surgery with small animals.

575. Theriogenology
Spring. 2(3-0)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Reproductive function and diseases of animals' genital structure and function and endocrine controls. Examination, diagnosis and treatment of the mammary gland and reproductive tract.

576. Core of Medicine Laboratories II
Fall. 2(0-6)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Diagnosis and treatment of diseases of the reproductive, digestive, and musculoskeletal systems.

577. Musculoskeletal System I
Spring. 2(2-0)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Diagnosis and treatment of musculoskeletal diseases of animals with emphasis on pathological changes, radiological techniques, and interpretation of radiographs.

578. Digestive System II
Fall. 3(0-0)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Pathogenesis, diagnosis and treatment of diseases of the alimentary tract and digestive organs of food animals and horses.

579. Principles of Surgery II
Fall. 2(1-3)
P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none
Fundamental large animal surgery, surgical techniques and management of animals before, during and after surgery.

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VETERINARY MEDICINE

590*. Client Communication and Jurisprudence  Spring. 1(0-0) P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none Communication and interviewing skills for effective client relations. Communication aspects of medical records and their use in medical problem solving; legal responsibilities of the veterinary medical profession.

591*. Core of Medicine Laboratories IV Spring. 1(0-3) P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none Diagnosis and treatment of common toxicologic conditions, developmental disorders and orthopedic conditions in animals.

592*. Musculoskeletal System II Spring. 3(3-0) P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none Diagnosis and management of musculoskeletal diseases of large animals. Anatomical relationships of normal to abnormal function. Surgical procedures applicable to the equine and ruminant.

596*. Diseases of Bones and Joints Spring. 2(2-0) P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none Anatomy and pathophysiology of diseases of bones and joints. Diagnose, prognosis and treatment of abnormalities involving bones and joints.

600*. Veterinary Practice Management Fall. 1(1-0) P: Completion of Year 2 of the College of Veterinary Medicine. R: Year 3 College of Veterinary Medicine Veterinary Medicine none Establishment of a veterinary practice.

610*. Veterinary Externship Fall, Spring. 4(0) P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none Clinical or research experience in an off-campus setting.

611*. Veterinary Externship Fall, Spring, Summer. 3(0) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none Clinical or research experience in an off-campus setting.

630*. Anesthesia Clerkship Fall, Spring, Summer. 3(0) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none Preanesthesia evaluation, induction, monitoring, and recovery of large and small animal patients requiring routine and major surgical procedures.

621*. Diagnostic Imaging Clerkship Fall, Spring, Summer. 3(0) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none Diagnostic radiography and ultrasound imaging, including radiation safety and special procedures.

WOMEN'S STUDIES

201*. Introduction to Women's Studies Fall, Spring. 4(4-0) Interdepartmental with the Department(s) of Arts and Letters, Social Science.

Diversity of women's situations in social, cultural, historical and international contexts. Focus on women as victims of oppression and as agents. Concepts basic to feminist thought: gender systems, patriarchy.

QA: WS 201

202*. Introduction to Contemporary Feminist Theories Fall, Spring. 3(3-0) P: ATL 140 or ATL 145 or WS 301 R: Sophomores and above Contemporary U.S. feminist theories of patriarchy, oppression, liberation, sexuality, 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, Spring. 3(3-0) P: ATL 140 or ATL 145 recommended R: Sophomores and above Women's Studies bibliographic and reference sources. Library organization of multidisciplinary information. Women's Studies research problems.

QA: WS 201

300*. Sexual Violence Against Women and Children: Theory and Response Spring. 3(3-0) P: WS 201, or approval of Women's Studies Program R: Sophomores and above Sexual violence against women and children from a theoretical and applied perspective. Rape, battering, incest and sexual harassment. Interventions of race, class, gender and violence. Self-defense as individual response.

QA: WS 201


QA: WS 201

401*. Feminist Theory Spring. 4(4-0) P: WS 201, WS 202; one 300 level WS course, or graduate standing <9 R: Juniors or Seniors, Graduate students Integrative theoretical approaches to Women's Studies. Conceptualization of sex and gender and the subordination of women. Feminist critique of theories of knowledge. Comparison of evolving feminist theories.

QA: WS 401

402*. Feminist Analyses of U.S. Education Fall, Spring. 4(4-0) Interdepartmental with the Department(s) of Teacher Education, Curriculum R: WS 201; and either WS 202 or WS 203; or graduate standing: R: Juniors and above Feminist perspectives on the gendered structuring of educational experience in elementary and secondary school.

QA: WS 401

403*. Women and Change in Developing Countries Spring. 4(4-0) P: WS 201; and either WS 202 or WS 203; or graduate standing: R: Juniors and above Effects of economic, political, and social change on gender and class hierarchies and on production, reproduction and access to resources in developing nations.

QA: WS 201

404*. Women and the U.S. Law Spring. 4(4-0) P: WS 201; and either WS 202 or WS 203; or graduate standing: R: Juniors and above The law as a vehicle for structuring and maintaining women's social roles. The law as a vehicle for social change.

QA: WS 201

409*. Independent Study Fall, Spring, Summer. 1 to 4 credits. P: Completion of 8 credits. May reenroll for a maximum of 8 credits. P: WS 201; and either WS 202 or WS 203; or graduate standing: R: Juniors or Seniors and approval of Women's Studies Program Individual research and reading on women and gender.

QA: WS 409

417*. Special Topics Spring. 3 to 4 credits. May reenroll for a maximum of 8 credits. P: WS 201; and either WS 202 or WS 203; or graduate standing: R: Juniors and Seniors In-depth study of special topic emphasizing women gender.

QA: WS 201

490*. Women's Studies Senior Seminar Spring. 4(4-0) P: WS 201, WS 203, one 300 level WS course; or graduate standing: R: Juniors and above Seminar providing synthesis and elaboration of Women's Studies thematic and major. Reflects interests and research of current feminist scholarship. Intensive examination of a feminist research area.

QA: WS 201

481*. Internship Fall, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 4 credits. P: WS 201; and either WS 202 or WS 203; or graduate standing: R: Juniors and above Integration of feminist knowledge through work experience related to women's concerns. Legislative, community or social justice settings provide hands-on experience to increase student's awareness and skills.

QA: WS 401

590*. Individual Reading Fall, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits. R: Approval of Women's Studies Program Women's Studies supervised graduate level reading in special topic.

QA: WS 590