VCM 501  Zoological Medicine Seminar  credit: 2 hours.
Discussion of selected topics and literature pertaining to zoological, wildlife and aquatic animal medicine and presentation of a formal seminar. May be repeated to a maximum of 6 hours. Prerequisite: Post DVM and enrolled in the Zoological and Aquatic Animal Residency Program.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>49726</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>03:00 PM - 04:50 PM</td>
<td>R</td>
<td>ARR - Veterinary Teaching Hospital</td>
<td>Langan, J</td>
</tr>
</tbody>
</table>

VCM 503  Current Lit in Equine Med Surg  credit: 1 hours.
This course will use current primary literature in the fields of equine medicine and surgery as a gateway to discussion. Current literature will be reviewed, critiqued, and discussed in the context of current equine clinical practice. Students are expected to be graduate veterinarians with a thorough understanding of equine medical and surgical concepts before enrolling in the course. May be repeated to a maximum of 6 hours. Prerequisite: Graduate Veterinarian or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>48513</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>08:00 AM - 09:00 AM</td>
<td>M</td>
<td>ARR - Veterinary Teaching Hospital</td>
<td>Gutierrez, Nibeyro, S Lascola, K</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

VCM 506  Topics in Pathophysiology  credit: 1 hours.
Current basic and advanced concepts in hemostasis (primary hemostasis, secondary hemostasis, fibrinolysis, normal and abnormal endothelium, natural anticoagulants, anticoagulant drugs and their mechanisms of action) and respiratory physiology and pathophysiology (including acid base and strong ion difference). Prerequisite: DVM degree.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52776</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>ARRANGED</td>
<td>-</td>
<td>-</td>
<td>McMichael, M O'Brien, M</td>
</tr>
</tbody>
</table>

VCM 524  Effective Biomedical Teacher  credit: 3 hours.
Provides current or future university-level biomedical educators with the knowledge, motivation and proficiencies needed to apply the most recent developments in higher education to their teaching. The overall aim of the course is to cultivate an informed, passionate and adventurous approach to teaching and learning in participants. This will be achieved by fostering new thinking about teaching and
learning, and by encouraging collaborative and cooperative learning between the class members. May be repeated in separate terms if topics vary.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>62811</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>03:00 PM - 04:50 PM</td>
<td>T</td>
<td>-</td>
<td>Aldridge, B, Aldridge, R, Ferguson, D, Matheson, J</td>
</tr>
</tbody>
</table>

**VCM 536  ECC Journal Topics  credit: 1 hours.**
This is a weekly course aimed at evaluating journals specific to the requirements of the American College of Veterinary Emergency and Critical Care. Seminars of selected articles will be presented to the group every week. 1 graduate hour. Approved for S/U grading only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>57849</td>
<td>Lecture-Discussion</td>
<td>MAO</td>
<td>08:00 AM - 08:50 AM</td>
<td>R</td>
<td>-</td>
<td>McMichael, M O’Brien, M</td>
</tr>
</tbody>
</table>

**VCM 553  Advanced Diagnostic Imaging  credit: 1 hours.**
Reviews the physics, clinical indications and technical aspects of advanced diagnostic imaging. The course will utilize clinical case examples. Studies are required to prepare one lecture and take a final examination. Attendance at 80% of the classes is required. May be repeated in separate terms for unlimited graduate credit.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>59536</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>08:00 AM - 09:50 AM</td>
<td>M</td>
<td>-</td>
<td>Matheson, J O’Brien, R</td>
</tr>
</tbody>
</table>

**VCM 577  Advanced Large Animal Medicine  credit: 1 hours.**
A seminar series devoted to intense study of pathophysiologic and current therapeutic aspects of selected topics in large animal internal medicine. May be repeated to a maximum of 6 hours. Prerequisite: Graduate Veterinarian or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37720</td>
<td>Lecture</td>
<td>A</td>
<td>08:00 AM - 08:50 AM</td>
<td>W</td>
<td>-</td>
<td>Lascola, K</td>
</tr>
</tbody>
</table>

**VCM 581  Emergency Diagnostic Imaging  credit: 1 hours.**
Provides graduate students in emergency medicine, small animal surgery and diagnostic imaging the opportunity to share principles of diagnostic imaging based on recent case examples. Students will be expected to present at least two cases demonstrating competence in reviewing radiographic findings, formulating a list of differential diagnoses and discussing additional imaging modalities, as appropriate. 1 graduate hour. May be repeated in separate terms to a maximum of 9 graduate hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>58433</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>08:00 AM - 08:50 AM</td>
<td>F</td>
<td>-</td>
<td>Matheson, J O’Brien, R</td>
</tr>
</tbody>
</table>
Provides graduate students in emergency medicine, small animal surgery and diagnostic imaging the opportunity to share principles of diagnostic imaging based on recent case examples. Students will be expected to present at least two cases demonstrating competence in reviewing radiographic findings, formulating a list of differential diagnoses and discussing additional imaging modalities, as appropriate. Course Information: 1 graduate hour. Prerequisite: May be repeated in separate terms to a maximum of 9 graduate hours.

VCM 584  **Current Concepts Comp Surgery**  credit: 1 hours.
Advanced study of topics concerning the pathophysiology, diagnosis, and current therapy of diseases which are treated with surgical procedures. May be repeated to a maximum of 4 hours. Prerequisite: Graduate Veterinarian or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37721</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>08:00 AM - 08:50 AM</td>
<td>M</td>
<td>E-080 - Veterinary Teaching Hospital</td>
<td>Harper, T</td>
</tr>
<tr>
<td>60959</td>
<td>Lecture-Discussion</td>
<td>LA</td>
<td>08:00 AM - 08:50 AM</td>
<td>F</td>
<td>-</td>
<td>Stewart, M</td>
</tr>
</tbody>
</table>

VCM 585  **Current Lit Sm Anim Medicine**  credit: 1 hours.
Participants will discuss and analyze current veterinary journal articles which pertain to small animal internal medicine. May be repeated to a maximum of 6 hours. Prerequisite: Graduate Veterinarian.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37722</td>
<td>Discussion/Recitation</td>
<td>A</td>
<td>08:00 AM - 08:50 AM</td>
<td>R</td>
<td>-</td>
<td>Ridgway, M Rubin, S</td>
</tr>
</tbody>
</table>

VCM 588  **Advances in Vet Dermatology**  credit: 1 OR 2 hours.
A series of lectures, seminars and discussions devoted to the intense study of pathophysiologic aspects of the integument and related systems including: structure and functions, endocrinology, immunochemistry, microbiology, virology, parasitology, pharmacology, oncology, and miscellaneous disorders. Students enrolling for graduate credit will also participate in weekly critiques of current literature. May be repeated to a maximum of 8 hours; duplicate registration is permitted up to 4 hours. Prerequisite: Graduate Veterinarian and consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37723</td>
<td>Lecture</td>
<td>A</td>
<td>08:00 AM - 09:00 AM</td>
<td>MTR</td>
<td>ARR - Veterinary Teaching Hospital</td>
<td>Campbell, K</td>
</tr>
</tbody>
</table>

VCM 590  **Seminar**  credit: 0 TO 1 hours.
Required of all graduate students whose major is Veterinary Clinical Medicine. Approved for S/U grading. May be repeated.
**VCM 591  Advances in Vet Internal Med**  credit: 1 hours.
A series of lectures, seminars, and discussions devoted to intense study of new pathophysiologic aspects of selected topics in veterinary internal medicine. Each term is devoted to three topics. Approved for letter and S/U grading. May be repeated to a maximum of 6 hours. Prerequisite: Graduate Veterinarian and consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37724</td>
<td>Lecture</td>
<td>A</td>
<td>08:00 AM - 08:50 AM</td>
<td>W</td>
<td>-</td>
<td>Ridgway, M</td>
</tr>
</tbody>
</table>

**VCM 592  Special Problems**  credit: 1 TO 4 hours.
Basic and applied study including orientation and research on pertinent initial and continuing problems in the student's area of interest. May be repeated. Prerequisite: Consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>10321</td>
<td>Independent Study</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Instructor Approval Required

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>61248</td>
<td>Conference</td>
<td>DDF</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>French, D</td>
</tr>
<tr>
<td>62756</td>
<td>Conference</td>
<td>REP</td>
<td>01:00 PM - 01:50 PM</td>
<td>T</td>
<td>-</td>
<td>Frederico Canisso, I</td>
</tr>
<tr>
<td>60094</td>
<td>Conference</td>
<td>SCP</td>
<td>08:30 AM - 09:30 AM</td>
<td>W</td>
<td>-</td>
<td>Clark-Price, S</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Equine Reproduction

**VCM 593  Adv Topics Vet Clin Med**  credit: 1 TO 4 hours.
Instruction in advanced diagnosis, therapeutic modalities, and research methodologies in the areas of small animal internal medicine, small animal surgery, equine and food animal medicine and surgery, ophthalmology, theriogenology, radiology, and clinical pharmacology. May be repeated to a maximum of 8 hours. Prerequisite: Graduate Veterinarian and consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>10324</td>
<td>Independent Study</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Instructor Approval Required
Molecular Chemotherapy

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>62876</td>
<td>Conference</td>
<td>CTX</td>
<td>08:00 AM - 08:50 AM</td>
<td>T</td>
<td>-</td>
<td>Wypij, J</td>
</tr>
</tbody>
</table>

VCM 598  **Manuscript Research**  credit: 0 TO 12 hours.
Independent research to fulfill requirement for non-thesis alternative in Master of Science Program. Credit is not given for both VCM 598 and VCM 599. (Summer Session, 1 to 2 hours.) Prerequisite: Must be enrolled in the departmental graduate program.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>53859</td>
<td>Conference</td>
<td>KML</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>Lascola, K</td>
</tr>
</tbody>
</table>

VCM 599  **Thesis Research**  credit: 0 TO 12 hours.
Approved for S/U grading only. May be repeated.
### VCM 608  **Equine Veterinary Husbandry**  
credit: 1 hours.

Designed to familiarize veterinary students with the basic principles of equine husbandry, including biosecurity, infectious disease prevention, anti-parasite programs, dental care, transport, and nutrition. Approved for both letter and S/U grading. Prerequisite: Good standing in the veterinary professional curriculum, Graduate College, or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>53825</td>
<td>Lecture</td>
<td>E</td>
<td>03:00 PM - 03:50 PM</td>
<td>TR</td>
<td>2251 - Vet Med Basic Sciences Bldg</td>
<td>Foreman, J</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lascola, K</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

### VCM 624  **Bereavement Issues**  
credit: 1 hours.

Theoretical and clinical perspectives on the concepts of attachment, bonding, grief and loss will be discussed. The course also includes instruction in basic counseling and crisis intervention skills. Students will answer calls on the CVM C.A.R.E. Helpline under the supervision of the instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37660</td>
<td>Laboratory-Discussion</td>
<td>A1</td>
<td>04:00 PM - 04:50 PM</td>
<td>R</td>
<td>E-080 - Veterinary Teaching Hospital</td>
<td>Weber, C</td>
</tr>
</tbody>
</table>

### VCM 625  **Exotic Mammal Medicine**  
credit: 1 hours.

Exotic Mammal Medicine is an elective course for veterinary students in their second year of the veterinary curriculum or graduate students interested in zoology. Students will learn clinical aspects of comparative anatomy, physiology, husbandry and handling of exotic mammal species encountered in zoological practice, including rodents, lagamorphs, marsupials, canids, carnivores, primates, and cervids. The most commonly encountered diseases of these species will also be discussed. 1 graduate hour. 1 professional hour. Approved for both letter and S/U grading. Prerequisite: Enrollment in the 2nd year veterinary curriculum.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>45068</td>
<td>Lecture</td>
<td>A</td>
<td>04:00 PM - 05:50 PM</td>
<td>R</td>
<td>- Vet Med Basic Sciences Bldg</td>
<td>Whittington, J</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

### VCM 626  **Shelter Medicine I**  
credit: 1 hours.

Introduction to the field of Shelter Animal Medicine and is intended to create a pool of well-informed veterinarians that will become an important resource for shelter managers nationwide. This course is a prerequisite for the more advanced Shelter Medicine II (offered in the third year). Course will foster veterinarian participation in community service and encourage personal responsibility in the area of animal welfare. Offered for S/U grading only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
</table>
VCM 627  **Equine Infectious Disease**  credit: 1 hours.
Provides an in-depth review of common equine infectious diseases (viral, bacterial, parasitic) according to body systems. Primarily uses a lecture-based format to review the key aspects of disease pathogenesis, common clinical signs and most appropriate diagnostic test(s) for pathogen identification. Lectures are followed by several (3-4) cases that the lecturer will review in class with the students. These cases will be designed to emphasize the essential aspects of the different infectious diseases and generate critical thinking by the students with regards to developing an appropriate diagnostic plan. Approved for S/U grading only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>55873</td>
<td>Lecture</td>
<td>E</td>
<td>03:00 PM - 03:50 PM</td>
<td>M</td>
<td>250 - Veterinary Teaching Hospital</td>
<td>Lascola, K</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>E</td>
<td>04:00 PM - 04:50 PM</td>
<td>W</td>
<td>250 - Veterinary Teaching Hospital</td>
<td>Lascola, K</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

VCM 634  **GP Surg. Oncology**  credit: 1 hours.
A five-week course focusing on the theory and practice of small animal surgical oncology for general practice. This course will provide students with the theory and practical skills required to diagnose and treat surgical oncology cases at a primary care level. The module includes lectures and cadaver laboratories pertaining to the principles of surgical oncology and the diagnosis, treatment and prognosis of specific neoplasms. In the laboratories, students will practice a variety of biopsy techniques, cutaneous and subcutaneous tumor resection, intestinal resection and anastomosis, visceral tumor resection and limb amputations. No graduate credit. 1 professional hour. Prerequisite: VM 608. DVM professional students only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>62663</td>
<td>Laboratory</td>
<td>AB1</td>
<td>03:00 PM - 05:00 PM</td>
<td>W</td>
<td>-</td>
<td>Merema, D Selmic, L</td>
</tr>
<tr>
<td>62662</td>
<td>Lecture</td>
<td>AL1</td>
<td>03:00 PM - 05:00 PM</td>
<td>T</td>
<td>-</td>
<td>Merema, D Selmic, L</td>
</tr>
</tbody>
</table>

VCM 640  **Advanced Orthopedic Surgery**  credit: 1 hours.
This course will provide hands-on training in fracture fixation and common knee and hip procedures to veterinary students with an interest in orthopedic surgery. This hands-on training is not available in the core course. Approved for S/U grading only. Prerequisite: Third year standing in the veterinary curriculum.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>60665</td>
<td>Laboratory</td>
<td>AB1</td>
<td>03:00 PM - 05:20 PM</td>
<td>R</td>
<td>-</td>
<td>Harper, T</td>
</tr>
</tbody>
</table>
### VCM 641  Equine Neonatology  credit: 1 hours.

Designed to familiarize the veterinary student with the basic and advanced principles of equine neonatology. Topics include normal and abnormal physiology, problems of the mare that impact the foal, prematurity, sepsis, uremia, musculoskeletal problems, and therapy. 1 graduate hour, 1 professional hour. Approved for letter and S/U grading. Prerequisite: VM 606.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>58171</td>
<td>Lecture-Discussion</td>
<td>E</td>
<td>04:00 PM - 04:50 PM</td>
<td>MW</td>
<td>Veterinary Teaching Hospital</td>
<td>Austin, S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wilkins, P</td>
</tr>
</tbody>
</table>

Restricted to VetMed - Urbana-Champaign.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>62865</td>
<td>Lecture-Discussion</td>
<td>G</td>
<td>04:00 PM - 04:50 PM</td>
<td>MW</td>
<td></td>
<td>Wilkins, P</td>
</tr>
</tbody>
</table>

Restricted to Graduate - Urbana-Champaign.

### VCM 645  Equine Surgery Laboratory  credit: 1 hours.

Provides introductory laboratory experiences in common and basic equine surgical techniques. Topics include normal and cryptorchid equine castration, distal limb surgeries, casting techniques, and joint injections. Approved for S/U grading only. Prerequisite: VM 606.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>58170</td>
<td>Laboratory-Discussion</td>
<td>B</td>
<td>08:00 AM - 11:50 AM</td>
<td>R</td>
<td></td>
<td>Gutierrez</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nibeyro, S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stewart, M</td>
</tr>
</tbody>
</table>

### VCM 656  Lab Animal Science II  credit: 1 hours.

Continuation of VCM 646. Additional topics include laboratory animal diseases, biohazard control, gnotobiology and animal models of human disease. 1 graduate hour, 1 professional hour. Approved for letter and S/U grading. Prerequisite: VCM 646 or equivalent, or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>45457</td>
<td>Lecture</td>
<td>G</td>
<td>04:00 PM - 04:50 PM</td>
<td>R</td>
<td>250 - Veterinary Teaching Hospital</td>
<td>Allison, S</td>
</tr>
</tbody>
</table>

Restricted to Graduate - Urbana-Champaign.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37691</td>
<td>Lecture</td>
<td>U</td>
<td>04:00 PM - 04:50 PM</td>
<td>R</td>
<td>250 - Veterinary Teaching Hospital</td>
<td>Allison, S</td>
</tr>
</tbody>
</table>

Restricted to VetMed - Urbana-Champaign.

### VCM 661  Advanced Equine Lameness  credit: 2 hours.
Covers equine lameness from a clinician's perspective. Offers an in-depth integrative approach to the diagnosis of equine lameness using the presenting complaint as a starting point. Rather than approaching equine musculoskeletal disease from the perspective of specific injuries, students will be guided through the lameness examination process. Active student participation in class discussion is expected. 2 professional hours. May not be repeated for credit. Prerequisite: Third year veterinary student.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>47421</td>
<td>Lecture-Discussion</td>
<td>E</td>
<td>03:00 PM - 04:50 PM</td>
<td>MW</td>
<td>100 - Veterinary Teaching Hospital</td>
<td>Gutierrez, Nibeyro, S Stewart, M</td>
</tr>
</tbody>
</table>

VCM 663  **Small Animal Dermatology**  credit: 1 hours.

First half of the course presents a systematic approach to small animal dermatologic diagnoses and therapeutics; the second half deals with immunological disorders, seborrheic syndromes, hereditary disorders, cutaneous neoplasms, and feline dermatology. Prerequisite: VCM 631 or equivalent, or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37696</td>
<td>Lecture</td>
<td>AL1</td>
<td>09:00 AM - 10:50 AM</td>
<td>R</td>
<td>E-080 - Veterinary Teaching Hospital</td>
<td>Campbell, K</td>
</tr>
</tbody>
</table>

VCM 671  **International Vet Medicine**  credit: 1 hours.

Discussion of selected topics relevant to animal welfare and disease in the global society and, with guest speakers, of political issues of different continents. Students present a short seminar on a topic of choice. Prerequisite: DVM student.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52906</td>
<td>Lecture</td>
<td>E</td>
<td>04:00 PM - 04:50 PM</td>
<td>T</td>
<td>3526 - Vet Med Basic Sciences Bldg</td>
<td>Ferguson, D Hoenig, M</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

VCM 673  **Companion Animal Rehab**  credit: 1 hours.

Series of lectures/discussions focusing on the proper application of companion animal rehabilitation modalities. Designed to give an understanding of the basics of rehabilitation and begin the thought process of implementing rehabilitation in to veterinary medicine. Prerequisite: Registration in the veterinary curriculum or consent of the instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>48771</td>
<td>Lecture-Discussion</td>
<td>E</td>
<td>03:00 PM - 04:50 PM</td>
<td>M</td>
<td>2258 - Vet Med Basic Sciences Bldg</td>
<td>Knap, K</td>
</tr>
</tbody>
</table>

VCM 674  **Equine Exercise Physiology**  credit: 1 hours.

Designed to familiarize veterinary students with the basic principles of equine exercise, physiology and sports medicine. Topics include physiology, energetics, thermoregulation, fatigue, conventional and alternate training techniques, and drugs and medications used in
equine athletes. Approved for letter and S/U grading. Prerequisite: Good standing in the veterinary professional curriculum, Graduate College, or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>53827</td>
<td>Lecture</td>
<td>E</td>
<td>03:00 PM - 03:50 PM</td>
<td>TR</td>
<td>2251 - Vet Med Basic Sciences Bldg</td>
<td>Foreman, J</td>
</tr>
</tbody>
</table>

VCM 678  **Reptile Medicine & Surgery**  credit: 1 hours.
Provides an introduction to reptile medicine and surgery. Specific topics to be addressed include non-infectious and infectious diseases, diagnostic sampling techniques, anesthesia and analgesia, and common surgical procedures for reptiles. Approved for S/U grading only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52905</td>
<td>Lecture</td>
<td>E</td>
<td>05:00 PM - 05:50 PM</td>
<td>MW</td>
<td>100 - Veterinary Teaching Hospital</td>
<td>Mitchell, M</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

VCM 679  **Adv Veterinary Ophthalmology**  credit: 1 hours.
Anatomic, physiologic, pathologic, and pharmacologic considerations in eye diseases and their treatments; instrumentation and methods of study of ocular structure, physiology, and diseases; and laboratories devoted to techniques of examination of the eye and surgical procedures used in treatment of eye diseases. No graduate credit. 1 professional hour. Approved for S/U grading only. Prerequisite: Third-year standing in veterinary medicine curriculum.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37703</td>
<td>Laboratory</td>
<td>AB1</td>
<td>ARRANGED</td>
<td>T</td>
<td>-</td>
<td>Hamor, R</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Labelle, A</td>
</tr>
<tr>
<td>37704</td>
<td>Lecture</td>
<td>AL1</td>
<td>03:00 PM - 04:50 PM</td>
<td>T</td>
<td>E-080 - Veterinary Teaching Hospital</td>
<td>Hamor, R</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Labelle, A</td>
</tr>
</tbody>
</table>

VCM 681  **Adv Equine Internal Medicine**  credit: 1 OR 2 hours.
Advanced instruction in case management, laboratory data interpretation, decision-making regarding therapeutics, and advanced diagnostic techniques. Approved for S/U grading only. Prerequisite: Consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>42948</td>
<td>Lecture</td>
<td>E</td>
<td>08:00 AM - 08:50 AM</td>
<td>MTWRF</td>
<td>-</td>
<td>Foreman, J</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

VCM 682  **Wildlife Medicine**  credit: 1 hours.
An 8-week elective course for veterinary students offered in their second or third year of the veterinary curriculum. Participation in weekly rounds and team meetings, for the purpose of independent study and training, is required. Students will be required to maintain a personal clinic journal describing case work, training, and self-assessment. Team leaders should include any training that they conduct for their teams. The journals will be reviewed at the end of the semester by the course instructors. Available to VM2 students during the first and second 8-week terms of the spring term. Available to VM3 students during the first and second 8-week terms of the fall term. May be repeated in the same term to a maximum of 2 hours. May be repeated in separate terms to a maximum of 4 hours. Prerequisite: Enrolled students must be an active member assigned to a treatment team in the Wildlife Medical Clinic.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>49141</td>
<td>Lecture-Discussion</td>
<td>E1</td>
<td>12:00 PM - 12:50 PM</td>
<td>T</td>
<td>100 - Veterinary Teaching Hospital</td>
<td>Whittington, J</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>57989</td>
<td>Lecture-Discussion</td>
<td>E2</td>
<td>12:00 PM - 12:50 PM</td>
<td>T</td>
<td>100 - Veterinary Teaching Hospital</td>
<td>Whittington, J</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


**VCM 687 Canine Occupational Health I**  credit: 1 hours.
This course will address the most common occupations for working and performance dogs and how these occupational activities may impact health. Subjects covered in this course will include handling of working dogs, breed predisposition to disease, equipment and its proper use, nutrition, rehabilitation and physical therapy, pain management, alternative therapies and prevention strategies in managing occupation-related illnesses in working and performance dogs. The course will be presented in lecture format. No graduate credit. 1 professional hour. Prerequisite: First, Second or Third year standing in the DVM curriculum or permission of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>62665</td>
<td>Lecture</td>
<td>E</td>
<td>05:00 PM - 05:50 PM</td>
<td>W</td>
<td>2251 - Vet Med Basic Sciences Bldg</td>
<td>Fischer, B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Harper, T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Ridgway, M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Rubin, S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selmic, L</td>
</tr>
</tbody>
</table>

**VCM 688 Food Supply Disease Management**  credit: 1 hours.
This course is designed to familiarize the veterinary student with the principles of disease management of the major body systems in herd situations. The student will be given case examples and opportunities to evaluate and treat diseases of the respiratory and enteric systems as well as multiple periparturient diseases. 1 graduate hour. 1 professional hour. Approved for letter and S/U grading. Prerequisite: VCM 672 or permission of the instructor if a graduate student or house officer. Class Scheduled Information: DVM graduate students or house officers in food animal related training programs.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>60256</td>
<td>Lecture</td>
<td>E</td>
<td>07:00 AM - 07:50 AM</td>
<td>TR</td>
<td>E-080 - Veterinary Teaching Hospital</td>
<td>Aldridge, B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>French, D</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Garrett, E</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lowe, J</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

**VCM 690 Intro to Food Supply Medicine**  credit: 1 hours.
This course is designed to familiarize the student with the basic principles of food supply veterinary medicine. Topics include epidemiologic investigation, veterinary inputs into food supply systems, reproductive aspects associated with production systems and therapeutic standards in food production. 1 graduate hour. 1 professional hour. Approved for letter and S/U grading. Prerequisite: VM 601 or permission of the instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>60255</td>
<td>Lecture</td>
<td>E</td>
<td>01:00 PM - 02:50 PM</td>
<td>R</td>
<td>Veterinary Teaching Hospital</td>
<td>Aldridge, B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>French, D</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Garrett, E</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lowe, J</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours

VCM 692  **Special Problems**  credit: 1 TO 3 hours.

Individual research on a special problem chosen in consultation with the instructor and department head. 1 to 3 graduate hours. 1 to 3 professional hours. Approved for letter and S/U grading. May be repeated to a maximum of 6 hours. Prerequisite: Enrollment in veterinary medicine curriculum with grade point average of 3.0 or above, or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>10315</td>
<td>Independent Study</td>
<td></td>
<td>ARRANGED -</td>
<td></td>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

VCM 693  **Comparative Anatomy - Zoo**  credit: 1 hours.

The comparative anatomy of zoological species commonly encountered in clinical practice will be discussed in lecture format followed by laboratory dissection of cadavers. Additionally, radiographic anatomy of these species will be discussed. Species covered include representatives of the taxonomic Classes Chondrichthyes, Osteichthyes, Amphibia, Reptilia, Aves, Mammalia. Cadaver specimens include bony fish, sharks, frogs, iguana, turtles, snakes, birds (pigeons), rats and rabbits. Emphasis will be placed on anatomical differences as related to domestic species. Meets for one hour of lecture and two hours of laboratory, one or two times each week during the eight weeks of the course for a total of eight lecture hours and 16 laboratory hours. Approved for S/U grading only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>53072</td>
<td>Lecture</td>
<td>E</td>
<td>01:00 PM - 01:50 PM</td>
<td>R</td>
<td>2271C - Vet Med Basic Sciences Bldg</td>
<td>Whittington, J</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>E</td>
<td>02:00 PM - 03:50 PM</td>
<td>R</td>
<td>1730 - Vet Med Basic Sciences Bldg</td>
<td>Whittington, J</td>
</tr>
</tbody>
</table>