UF reserves the right to implement new regulations and policies not currently included in this document. The university will make a reasonable attempt to inform students of changes in regulations or policies.

The most updated version of the student handbook can be found at: http://education.vetmed.ufl.edu/dvm-curriculum/student-handbook/
## Contents

I. Introduction .................................................................................................................................6
   - Our Mission ............................................................................................................................6
   - Calendar ..................................................................................................................................6

II. Resources .................................................................................................................................7
   - Alumni Affairs .......................................................................................................................7
   - Apps .......................................................................................................................................7
   - Auditing a Course ...................................................................................................................7
   - Accessing Cornerstone from Home .......................................................................................8
   - Student Budget (Financial Aid) ..............................................................................................8
   - Campus Map ..........................................................................................................................8
   - Disability Resource Center .................................................................................................8
   - e-Learning ...............................................................................................................................8
   - Gator 1 ID Card ......................................................................................................................8
   - Help Desk (UF Computing Help Desk) ....................................................................................8
   - One.UF ....................................................................................................................................9
   - Infirmary .................................................................................................................................9
   - International Center .............................................................................................................9
   - Rape Aggression Defense Program (RAD) ...........................................................................9
   - Regional Transit System .........................................................................................................9
   - Schedule of Courses, Textbook & Equipment List ..............................................................9
   - Scholarships & Awards .........................................................................................................9
   - Start a Student Organization ..................................................................................................10
   - Student/Industry College Representatives ..........................................................................10
   - Student Housing ....................................................................................................................10
   - Student Learning Outcomes (SLOs) .....................................................................................10
   - Student Nighttime Auxiliary Patrol (SNAP) .........................................................................10
   - Transportation and Parking Services ...................................................................................10
   - University of Florida Police Department .............................................................................11
   - Veteran Affairs .....................................................................................................................11
   - Wellness Center and Counseling Services ..........................................................................11
   - Veterinary Medicine Safety and Security ............................................................................11
   - UF Health VPN .....................................................................................................................11
III. Curriculum .................................................................................................................. 12
   Introduction .................................................................................................................. 12
   Phase I Courses .......................................................................................................... 13
      Fall Semester ........................................................................................................... 13
      Spring Semester ..................................................................................................... 13
   Phase II Courses ........................................................................................................ 14
      Fall Semester ........................................................................................................... 14
      Spring Semester ..................................................................................................... 14
   Phase III Courses ...................................................................................................... 15
      Essential and Elective Didactic Courses ................................................................. 15
      Clinical Clerkships ................................................................................................ 19
      Student Externships ............................................................................................... 22
   Courses of Instruction ............................................................................................... 24
      Department of Comparative, Diagnostic and Population Medicine ..................... 24
      Department of Infectious Diseases and Immunology .......................................... 26
      Department of Large Animal Clinical Sciences ..................................................... 27
      Department of Physiological Sciences .................................................................. 29
      Department of Small Animal Clinical Sciences ................................................. 30
IV. Educational Information ......................................................................................... 34
   Class Schedules .......................................................................................................... 34
   Instructional Materials and Information ................................................................... 35
   Students with Accommodations ............................................................................. 35
   Student Learning Outcomes (SLOs) ......................................................................... 36
   Classroom and Responsibilities ............................................................................... 37
   Course Registration .................................................................................................. 37
   Attendance Policy ...................................................................................................... 37
   Procedure for Reporting Absences .......................................................................... 38
   Senior Students Requesting Time Off for Job Interviews ...................................... 38
   Evaluation of Courses and Instruction .................................................................... 39
   Grades ........................................................................................................................ 40
   Graduating with Honors ............................................................................................ 41
   Testing .......................................................................................................................... 41
   Exam Policy ............................................................................................................... 42
   Drop, Add and Withdrawal Processes ...................................................................... 42

The University of Florida's College of Veterinary Medicine Student Handbook
V. Certificate Programs ........................................................................................................43
  Certificate in Aquatic Animal Medicine ........................................................................43
  Certificate in Food Animal Veterinary Medicine ..........................................................47
  Certificate in Shelter Medicine ......................................................................................50
  Veterinary Business Management Certificate ..................................................................52

VI. Student Services ............................................................................................................54
  Academic Standards ........................................................................................................54
  Academic Advancement Committee ...............................................................................55
  Faculty Advisor ...............................................................................................................56
  Student Cell Phone Requirements ..................................................................................57
  Career Services ...............................................................................................................57
  Wellness Center and Counseling Services .......................................................................57
  Financial Aid ...................................................................................................................58
  Guidelines for Pregnant Veterinary Medical Students ..................................................58
  Legal Name Changes ......................................................................................................59
  International Student Visas and Externships .................................................................59
  Health Center Library ......................................................................................................60
  Education Center ............................................................................................................60
  UF Health VPN ..............................................................................................................61
  North American Veterinary Licensing Examination ......................................................61
  State Licensure ...............................................................................................................61
  USDA Accreditation ........................................................................................................61
  DEA Registration ............................................................................................................61

VII. Student Honor and Conduct Code .................................................................................62
  CVM and UF Honor Code ...............................................................................................62
  Standards of Professional Behavior and Conduct ............................................................63
  Health Center Student Conduct Standards Committee ................................................63
  Student Conduct Guidelines .........................................................................................64

VIII. Veterinary Medicine Policies .......................................................................................64
  Electronic Dissemination or Online Posting of Information ...........................................64
  Policy for Children and Guests in the UF Veterinary Hospital .........................................65
  Policy on use of Cell Phone in Classroom and Patient Care Areas ................................65
  Student Dress Code .......................................................................................................65
Student Injury or Animal Bites ............................................................................................................. 67
Student Participation on College Committees .......................................................................................... 67
CVM Student Organization Policies ....................................................................................................... 67
Student Organizations ............................................................................................................................... 69
Guidelines for Class Officers .................................................................................................................. 71

XI. University of Florida Policies ........................................................................................................ 72
Health Insurance Portability and Accountability Act (HIPAA) ................................................................ 72
The Family Education Records and Privacy Act (FERPA) ........................................................................ 72
Sexual Harassment .................................................................................................................................... 72
Policy on Religious Holidays .................................................................................................................... 73
Student Grievance Procedure ................................................................................................................ 73
Student Healthcare Center ...................................................................................................................... 73
Mandatory Health Insurance .................................................................................................................... 74

X. College Information ........................................................................................................................... 75
Organization of the College ..................................................................................................................... 75
Administration ........................................................................................................................................... 75
Committees and Councils ........................................................................................................................ 75
Departments ............................................................................................................................................. 76
Hospital .................................................................................................................................................... 76
Officers of the College .............................................................................................................................. 77
I. Introduction

Our Mission

The University of Florida’s College of Veterinary Medicine’s faculty has developed a strong program of study in order to fully prepare the next generation of veterinarians for careers. The objectives of the curriculum include the following goals:

- To impact key concepts and skills as well as critical and analytical thinking skills essential for lifelong learning, success, and professional growth;
- To provide students with knowledge and experiences that will foster consideration of the full spectrum of career opportunities and prepare interested students for post-graduate education;
- To provide classroom and clinic environments where there is an emphasis on high morals and ethics, professional values, leadership qualities, and sensitivity to societal needs;
- To emphasize the importance of veterinarians in the advancement of animal and human health and the preservation of humane animal care;
- To remain fully compliant with accreditation standards as set forth by the AVMA Council on Education [https://www.avma.org/ProfessionalDevelopment/Education/Accreditation/Colleges/Pages/coe-pp-requirements-of-accredited-college.aspx](https://www.avma.org/ProfessionalDevelopment/Education/Accreditation/Colleges/Pages/coe-pp-requirements-of-accredited-college.aspx)

Calendar

<table>
<thead>
<tr>
<th>Date - 2017</th>
<th>Spring Semester Activity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 14-15</td>
<td>Orientation</td>
<td>Class of 2021</td>
</tr>
<tr>
<td>Aug 16-17</td>
<td>First-Year Leadership Experience</td>
<td>Class of 2021, Class of 2020 facilitators</td>
</tr>
<tr>
<td>Aug 21</td>
<td>Fall Classes Begin</td>
<td>Classes begin 2021, 2020 and 2018</td>
</tr>
<tr>
<td>Sept 4</td>
<td>Labor Day</td>
<td>No classes for 2021, 2020, 2018</td>
</tr>
<tr>
<td>Oct 6</td>
<td>Homecoming</td>
<td>No classes for 2021, 2020, 2018</td>
</tr>
<tr>
<td>Nov 10</td>
<td>Veteran’s Day</td>
<td>No classes for 2021, 2020, 2018</td>
</tr>
<tr>
<td>Nov 22-24</td>
<td>Thanksgiving Holidays</td>
<td>No classes for 2021, 2020, 2018</td>
</tr>
<tr>
<td>Dec 15</td>
<td>End of Fall Semester</td>
<td>Classes 2021, 2020 and 2018</td>
</tr>
<tr>
<td>Dec 18-20</td>
<td>Shadowing Opportunity in Clinics</td>
<td>Class of 2020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date - 2018</th>
<th>Spring Semester Activity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 2</td>
<td>Spring Classes Begin</td>
<td>Classes of 2021, 2020, 2019</td>
</tr>
<tr>
<td>Jan 2</td>
<td>Clinic Rotations Begin</td>
<td>Class of 2018</td>
</tr>
<tr>
<td>Jan 15</td>
<td>Martin Luther King, Jr. Day</td>
<td>No class</td>
</tr>
<tr>
<td>Feb 5</td>
<td>NAVC</td>
<td>No class for Class of 2018</td>
</tr>
<tr>
<td>March 12-16</td>
<td>Spring Break</td>
<td>Classes of 2021 &amp; 2020</td>
</tr>
<tr>
<td>March 15-17</td>
<td>National SAVMA Symposium</td>
<td>Location: University of Pennsylvania</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------------------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>April 20</td>
<td>Animal Health Day</td>
<td>College-wide event</td>
</tr>
<tr>
<td>April 21</td>
<td>Open House</td>
<td>College-wide event</td>
</tr>
<tr>
<td>May 11</td>
<td>Professional Coating Ceremony</td>
<td>Class of 2020</td>
</tr>
<tr>
<td>May 14</td>
<td>No Class</td>
<td>Class of 2020 only</td>
</tr>
<tr>
<td>May 15-17</td>
<td>Clinic Orientation</td>
<td>Class of 2020</td>
</tr>
<tr>
<td>May 18</td>
<td>End of Spring Semester</td>
<td>Class of 2021, 2019</td>
</tr>
<tr>
<td>May 20</td>
<td>End of Clinics</td>
<td>Class of 2018</td>
</tr>
<tr>
<td>May 21</td>
<td>Beginning of Clinics</td>
<td>Class of 2020</td>
</tr>
<tr>
<td>May 25</td>
<td>Breakfast, Graduation Rehearsal, and Awards Banquet</td>
<td>Class of 2018</td>
</tr>
<tr>
<td>May 26</td>
<td>Commencement</td>
<td>Class of 2018</td>
</tr>
</tbody>
</table>

Class schedules are always available online here: [http://education.vetmed.ufl.edu/dvm-curriculum/schedules-booklist/](http://education.vetmed.ufl.edu/dvm-curriculum/schedules-booklist/)

**Policy for Children and Guests in the UF Veterinary Hospital**

Guests (adults or children) at the UFVH must be accompanied by a responsible faculty member, house officer, student or staff member at all times when they are in any non-public area(s). Guests should not be present during animal care or treatment procedures and are not allowed in the barns, wards, ICU or isolation areas of the UFVH. In addition, guests may not be present at hospital activities where their presence could cause distraction or disruption of clinical operations.

II Resources

**Alumni Affairs**

**Apps**
[http://info.apps.ufl.edu/](http://info.apps.ufl.edu/)

The University of Florida makes many different types of software applications available to faculty and students at no cost. Please visit the link for app availability and for requesting access.

**Auditing a Course**
[https://registrar.ufl.edu/courses/audit.html](https://registrar.ufl.edu/courses/audit.html)

Veterinary Students have the option to audit a course, with instructor approval. The Audit Request form needs to be completed by the student, receive signature of the Course Coordinator and returned to the Office for Student and Instruction by the end of drop/add. The Office of Students and Instruction will submit fully executed audit forms to the University along with a request to waive the $50.00 per course audit fee, so long as the student has provided the audit forms (with signature) before the drop/add period. Permission to audit does not provide access to the instructor’s course material, does not allow participation in lab sessions and does not award the student a grade. The instructor has sole discretion on whether to provide access to course materials for students that audit course(s).
Accessing Cornerstone from Home

Please find instructions for accessing the Cornerstone system while away from the CVM Campus at the links here: General Instructions and iPad Specific Instructions. Instructions can also be found on Sharepoint under the folder “How to Access Cornerstone from Home” (use your gatorlink to log in).

Student Budget (Financial Aid)

All students receiving financial aid are responsible for keeping track of their aid through One.UF, which includes providing any updated information that may affect their aid. Use the “Aid Status” page to find out if your financial aid file is complete or if you have outstanding requirements that will prevent the disbursement of aid. Financial aid must be used only for expenses directly related to your education. The CVM specific student budget includes tuition fees, books and supplies, computer/cell phone costs, housing and meals, transportation, clothing such as polos and scrubs, health insurance and other CVM-specific requirements such as rabies titers, NAVLE and Florida licensure fees. For more information on how the budget is calculated, you may visit the Student Financial Affairs webpage.

Campus Map

http://campusmap.ufl.edu/

UF Campus Map with locations of all SNAP designated pick up locations and Emergency Blue Phones.

Disability Resource Center

http://www.dso.ufl.edu/drc/

The Disability Resource Center (DRC) is located on the main UF campus and is available for students who require classroom and/or testing accommodations. OSI (the Office for Students and Instruction at CVM) works closely with the DRC to ensure student exams are scheduled appropriately. With proper documentations, the DRC is able to assist students in receiving accommodations such as extended time for exams, low distraction environment, test reader or scribe and note-taking services. Please contact the DRC for more information on their processes and requirements (352-392-8565)

e-Learning

https://lss.at.ufl.edu/

e-Learning is the centrally supported course management system at the University of Florida and provides a secure online system for course content, video lectures, assignments, quizzes, posting grades, and communicating among class participants. Lecture material, when captured by classroom Mediasite recorders, is uploaded to individual course e-Learning sites and can be viewed online. A GatorLink account is required to access e-Learning and the preferred browser for this system is Chrome.

Gator 1 ID Card

http://www.bsd.ufl.edu/G1C/idecard/distance.asp

Your Gator 1 card is your student ID and can be used to pay for printing and copying. To print from library computers, enter your Gator 1 number. There are card readers at each of the copy machines. Copy machines do not accept coins. You can add money to your card by visiting the above web site.

Help Desk (UF Computing Help Desk)

http://helpdesk.ufl.edu/

The UF Help Desk is available to all members of UF who need assistance with their Gatorlink account, One.UF (https://one.uf.edu/), MyUFL, personal computer trouble shooting and other technical support. Call them at 352-392-HELP (4357)
One.UF
https://one.uf.edu/
One UF is an online system UF uses for registration, transcripts, official grades, financial aid and much more! Use your Gatorlink to log in. Contact the Help Desk if you have trouble (352-392-HELP)

Infirmary
http://shcc.ufl.edu/
Student health fees support health services in the Student Healthcare Center (SHCC) also known as The Infirmary. The Infirmary is on Fletcher Drive next to the Florida Gym and the Racquet Club. The University of Florida collects a health fee in the student's tuition costs. This fee funds part of the services for students. However, there are charges for certain procedures, lab work, x-rays, and pharmacy supplies. The infirmary is open from 8:00 a.m. to 5:00 p.m. Monday through Friday and 12:00 -4:00 p.m. on Sundays (fall and spring semesters). The infirmary does not hold hours on Saturdays. HSC students may also access primary health care under the same student health fees at Student Health in room D2 -49 (Dental Tower) of the HSC. Call 392-0627 for an appointment.

International Center
http://ufic.ufl.edu/
The UF International Center will assist with International Student visas and travel. All students, faculty and staff who are traveling abroad on official UF business must register their travel with the UF International Center. By registering their travel online (http://ufic.ufl.edu/TravelRegistration.html) participates will be enrolled in CISI (Cultural Insurance Services International) as well as the TeamAssist Emergency Assistance Program. This ensures the individual will receive emergency medical aid, emergency evacuation, repatriation, travel assistance services and security coverage. This insurance is for travel on University business ONLY, and cannot be used for personal travel!

Rape Aggression Defense Program (RAD)
http://www.police.ufl.edu/community-services/rape-aggression-defense-program-rad/
This self-defense course is designed specifically for women and it is free to faculty, staff, and students. The class is taught in three sections over three consecutive days. Students will systematically learn stances, yelling, movement, blocking, and escape methods along with many other defense techniques. Participants in the program will learn a wide range of tactics, including verbal techniques, ground defense options, escaping from bear hugs and chokeholds, and more.

Regional Transit System
http://go-rts.com/index.php
The community bus route is free of charge for students carrying a Gator 1 card. Use the link above for routes, schedules, and a map to track where the bus is located in real time.

Schedule of Courses, Textbook & Equipment List
http://education.vetmed.ufl.edu/dvm-curriculum/schedules-booklist/

Scholarships & Awards
Needs-based scholarships are determined in the late summer, and disbursed evenly between the fall and spring semesters. Students who wish to be considered must have a current FAFSA on file (http://www.sfa.ufl.edu/applying/how-to-apply), as student debt load is used in determining need.

Merit-based scholarships are determined and disbursed in the late spring, and many are presented at the White Coat Ceremony and Senior Awards Banquet. Students are nominated for these awards by the College’s Awards and Scholarships Committee, which solicits input from the College’s academic departments and clinical services. GPA, class rank, and student debt load are often considered in determining merit-based awards.

OSI frequently forwards information to students via email about how to apply for non-UF CVM scholarships and awards, and OSI is happy to assist students with compiling scholarship application materials*. *For information regarding financial aid, please contact Student Financial Affairs directly (352-273-5999).
Start a Student Organization
https://www.studentinvolvement.ufl.edu/Student-Organizations/Registration-Information

The website above provides university procedures for forming new student organizations and maintaining existing student organizations. Newly formed or re-activated organizations should notify the CVM Office for Students and Instruction (OSI) and provide a list of current officers and their contact information. These lists should include at least the name, email, and phone number for the organization’s president, vice president, treasurer, and advisor, and should be submitted to Emily Brantley in OSI (emilyjbrantley@ufl.edu). Additional information can be found on page 67 of the Student Handbook under “CVM Student Organization Policies.”

Student/Industry College Representatives

Some private companies in the veterinary industry will request a veterinary student representative. Companies must first contact the Dean of Students and outline the responsibilities of the student, criteria for the selection and stipend available, if any, and term of service. Solicitation for a student representative should be presented to the Dean of Students Office and the students selected must first be approved by the Dean of Students. All student company representatives and their contact information must be provided to the Dean of Students.

Student Housing
http://www.housing.ufl.edu/

University housing regulations do not apply to veterinary students. However, students do have the option of applying for accommodations that the University of Florida offers to students. The Division of Housing of the University of Florida also maintains extensive listings of off-campus apartments, houses, rooming units, and mobile home units that are offered for rent to students, faculty, and staff. Inquiries about housing should be directed to the Department of Housing: 352-392-2161

Student Learning Outcomes (SLOs)

The College has established a list of Student Learning Outcomes (SLOs) for both preclinical work and clinical work. Student Learning Outcomes are statements that represent what a student will know and be able to do as a result of completing an educational program. The preclinical SLOs reflect the core body of knowledge that you should master before completing clinics while the clinical SLOs represent the ability to remember, understand, apply, analyze and put all the elements of the curriculum together to effectively be ready to begin as a practice ready veterinarian. Both parts of our program are essential to becoming a competent veterinarian. The class of 2019 will be the first graduating class responsible for completing SLOs for graduation. All required clinical SLOs for the class of 2019 are listed here and SLOs are listed in the Curriculum Map online (http://education.vetmed.ufl.edu/student-services/curriculum-map/). See page 35-36 for more detailed information.

Student Nighttime Auxiliary Patrol; (SNAP)
http://www.police.ufl.edu/community-services/student-nighttime-auxiliary-patrol-snap/

SNAP is a free, nightly, campus safety and transportation service that provides a point-to-point vehicular escort service. Students can call for an escort or use free SNAP app available on Google Play Store or iTunes Store. All SNAP employees are University of Florida students who have passed a stringent background check and driving test and must also maintain an academic standard to maintain employment. Employees are equipped with a police radio, picture ID and flashlights.

Transportation and Parking Services
http://www.parking.ufl.edu/

Veterinary students operating automobiles, motorcycles, and mopeds on campus are subject to university regulations. Parking decals are available online through the Traffic and Parking Decal Office website. Inappropriate parking or parking on campus without a decal may result in a citation. It is in the best interest of the students to respond to parking citations immediately; procrastination will only result in continued penalties for tardy payment, problems with grade reports and future registration. All parking areas contingent to the College of Veterinary Medicine are under university regulations, including the gated parking lot at the CVM Teaching Hospital.
It is important to note that the College of Veterinary Medicine academic calendar does NOT coincide exactly with the undergraduate academic calendar and therefore parking permits expire before the end of the CVM Spring semester. You must renew your permit to avoid a citation. Renewal fees can be appropriated according to the time extension needed. This most often affects graduating seniors that may need to renew for a one month period of time in the Spring.

**University of Florida Police Department**
http://www.police.ufl.edu/together-for-a-safe-campus/

**Emergency Blue Light**
http://www.police.ufl.edu/community-services/emergency-blue-light-phone-information/

Non-dial, outdoor emergency telephones are located at strategic points throughout campus, including all parking garages. Caller is immediately placed in contact with the UFPD Dispatch Center.

**Veteran Affairs**
http://www.registrar.ufl.edu/hubveterans.html

**Wellness Center and Counseling Services**
http://www.counseling.ufl.edu/cwc/
Professional students often experience degrees of stress not previously encountered in undergraduate programs. It is important to recognize the effects of stress and to seek help from a support network. Students are strongly encouraged to seek assistance from the Wellness Center or to contact the Dean of Students or any OSI staff member if they want to discuss available resources or need help accessing resources. The Dean of Students and any OSI staff member are also contact points for students to report concerns regarding personal distress or classmates in distress. Students in immediate need of counseling or other support services are strongly encouraged to contact the Wellness Center, Dean of Students or OSI staff members.

The Wellness Center: (352-392-1575) or seek assistance at their location at 3190 Radio Road.

**Veterinary Medicine Safety and Security**
Summary and description of services provided by the College of Veterinary Medicine Safety and Security Office.
From any CVM landline phone: dial 4444 for immediate assistance, 24/7.

**UF Health VPN**
The UF Health Virtual Private Network (VPN) allows students to access the UF Health internal network while away from campus. Many times, the VPN is utilized to ensure security for client files, course notes or college databases so that students have the ability to access these tools while off campus. The VPN can be accessed through any desktop, laptop, tablet or smartphone device as long as an internet connection is available. For full instructions, please view VPN Mobile Instructions or VPN Desktop Instructions.
III. Curriculum

Introduction

There are three phases of study at the College of Veterinary Medicine. 150 total credits are required to graduate.

- Phase I – All Coursework Required
  - Semester 1-2 (first year): 35 Credits
  - Study disease processes and therapy
  - Organized on an organ system basis
  - Supervised Patient Care and Clinical Skills Clerkship Semester 1-2- students spend lab time learning communication skills, medical records management, technical and critical thinking skills in active learning sessions. Each student participates in supervised patient care in the hospital twice a semester

- Phase II – All Coursework Required
  - Semester 3-4 (second year): 37 Credits
  - Clinical applications
  - Organized on an organ system basis
  - Supervised Patient Care and Clinical Skills Clerkship Semester 3-4 (starting with class of 2018)

- Phase III
  - Semester 5-9 (third and fourth year): 77+ Credits
    - Students have two semesters to perform additional didactic coursework in an area of focused concentration
    - Students enter the Veterinary Medical Center and embark upon clinical clerkship rotations and advanced classroom education.
    - Phase III clerkships, essential and elective didactic courses, and externships
    - Students must be registered for 16 weeks of clinical clerkships in the Spring of senior year.
      - Senior students may elect to participate in externships during the Spring semester only if using a vacation block to enroll in an externship; clinical rotations cannot be substituted for externship, regardless of the number of credits earned towards graduation.

Each course requires students to uphold University expectations of Academic Honestly, Professional Behavior, Attendance and Safety. In conjunction, the University agrees to provide the student with resources for the above expectations as well as policies on Remediation, Instructor Evaluations, Accommodations for Students with Disabilities, Student Safety and Grading. These outlined expectations and resources can be found here.

All course instructors will provide their own course-specific syllabus and grading scale within their e-Learning site. Please view the course e-Learning site for the most up-to-date grading scale, instructor information and/or class schedules.
# Phase I Courses

*all required courses*

## Fall Semester – First-Year (17 credits)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5008 Putting Families First*</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5101 Veterinary Gross Anatomy, Small Animal †</td>
<td>4</td>
</tr>
<tr>
<td>VEM 5110 Animal Systems</td>
<td>7</td>
</tr>
<tr>
<td>• VEM 5110A - Endocrinology</td>
<td></td>
</tr>
<tr>
<td>• VEM 5110B - Immunology</td>
<td></td>
</tr>
<tr>
<td>• VEM 5110C - Ophthalmology</td>
<td></td>
</tr>
<tr>
<td>• VEM 5110D - Neuroscience</td>
<td></td>
</tr>
<tr>
<td>VEM 5115 Veterinary Histology and Embryology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5131 Veterinary Molecular Biology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5150 Veterinary Parasitology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5191 Introduction to Animal Behavior</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5200 Supervised Patient Care and Clinical Skills I</td>
<td>1</td>
</tr>
</tbody>
</table>

*course begins in the Fall and spans the Spring term, Credit and grade awarded in the Fall semester*

## Spring Semester – First-Year (18 credits)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5041 Contemporary Topics in Animal Welfare and Ethics</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5111 Animal Systems II</td>
<td>7</td>
</tr>
<tr>
<td>• VEM 5111E - Reproduction</td>
<td></td>
</tr>
<tr>
<td>• VEM 5111F - Musculoskeletal</td>
<td></td>
</tr>
<tr>
<td>• VEM 5111G - Cardiovascular</td>
<td></td>
</tr>
<tr>
<td>• VEM 5111H - Respiration</td>
<td></td>
</tr>
<tr>
<td>VEM 5112 Animal Systems III</td>
<td>7</td>
</tr>
<tr>
<td>• VEM 5112I – Renal</td>
<td></td>
</tr>
<tr>
<td>• VEM 5112I – Digestion</td>
<td></td>
</tr>
<tr>
<td>• VEM 5112K – Veterinary Gross Anatomy, Large Animal †</td>
<td></td>
</tr>
<tr>
<td>VEM 5181 Radiological Techniques</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5202 Supervised Patient Care and Clinical Skills II</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5220 Basic Veterinary Nutrition</td>
<td>1</td>
</tr>
</tbody>
</table>

† The college takes seriously its ethical responsibility to ensure anatomy animals are appropriately obtained. A willed body program has been developed to support students who feel college-selected animals do not meet their personal morals. Although the college has been able to meet personal ethical needs of previous students through the willed body program, the college cannot guarantee animal access. Students who require alternatively sourced ethical cadavers are required to sign paperwork stating that if the college is unable to locate and/or provide an acceptable cadaver that they will delay their DVM academic studies 1 or more years until such time as a suitable cadaver is obtained.
# Phase II Courses

*all required courses*

## Fall Semester – Second-Year (20 credits)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5141 Veterinary Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5161 Veterinary General Pathology</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5171 Veterinary Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5172 Veterinary Toxicology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5203 Supervised Patient Care and Clinical Skills III</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5221 Veterinary Clinical Pathology</td>
<td>4</td>
</tr>
<tr>
<td>VEM 5261 Diagnostic Veterinary Radiology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5278 Theriogenology</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5301 Veterinary Cardiopulmonology</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5306 Veterinary Endocrinology</td>
<td>1</td>
</tr>
</tbody>
</table>

## Spring Semester – Second-Year (17 credits)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5162 Veterinary Systemic Pathology</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5204 Supervised Patient Care and Clinical Skills IV</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5241 Veterinary Ophthalmology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5251 Emergency Medicine and Critical Care</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5286 Veterinary Clinical Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5305 Veterinary Urology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5309 Veterinary Gastroenterology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5384 Veterinary Neurology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5387 Veterinary Dermatology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5402 Fundamentals of Soft Tissue Surgery</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5440 Fundamentals of Orthopedic Surgery</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5470 Veterinary Anesthesiology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5504 Veterinary Preventive and Production Medicine</td>
<td>2</td>
</tr>
</tbody>
</table>
Phase III Courses

This phase of the professional curriculum is divided into three categories:

- Clinical Clerkship Opportunities
- Essential and elective didactic courses
- Externships

Phase III begins immediately following the spring semester of the second-year and continues through graduation. The summer semester between the third and fourth-year is open for fourth-year students to perform externships or in-house clerkships if available/as space allows.

Prior to beginning of third-year clerkships students are asked to select an area of focused concentration for the remaining aspects of their DVM education. This selection helps to tailor the 3rd and 4th year curriculum to their area of interest.

Areas of focused concentration are:

- Small animal medicine and surgery
- Equine medicine and surgery
- Food animal medicine
- General (mixed) veterinary medicine and surgery.

Although students are asked to select an area of focused concentration, this selection does not influence which essential courses they are required to complete to earn the DVM degree. (The single exception is that students who select food animal medicine as an area of concentration are required to complete ruminant medicine as an essential course.)

**Essential and Elective Didactic Courses**

The essential courses are offered either during the spring 3rd year or fall 4th year semesters. The credit hours earned for successful completion of these courses is shown in the below tables as well as the specific course numbers, titles, and credit hours for the essential courses.

<table>
<thead>
<tr>
<th>Table 1. Required Didactic Courses (5 credits)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring Semester Third-Year or Fall Semester Fourth-Year</strong></td>
<td></td>
</tr>
<tr>
<td>Required Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td><strong>VEM 5032</strong> Veterinary Business and Professional Development</td>
<td>1</td>
</tr>
<tr>
<td><strong>VEM 5035</strong> Veterinary Business Management</td>
<td>1</td>
</tr>
<tr>
<td><strong>VEM 5503</strong> Veterinary Epidemiology</td>
<td>2</td>
</tr>
<tr>
<td><strong>VEM 5510</strong> Emerging and Exotic Diseases (on-line offered year-round)* **</td>
<td>1</td>
</tr>
</tbody>
</table>
Table 2. Essential Didactic Courses (11-15 Credits)

Spring Semester Third-Year or Fall Semester Fourth-Year

Students must complete at least one course in each category, choosing either Small or Large Animal:

- **Anesthesiology**, Small or Large Animal Anesthesiology
- **Pharmacology**, Small or Large Animal Clinical Pharmacology
- **Microbiology**, Small or Large Animal Applied Microbiology
- **Parasitology**, Small or Large Animal Parasitology
- **Pathology**, Small or Large Animal Pathology
- **Radiology**, Small or Large Animal Radiology and Ultrasound
- **Medicine**, Small Animal or Equine Medicine
- **Surgery**, Small or Large Animal Soft Tissue and Orthopedic Surgery

<table>
<thead>
<tr>
<th>Essential Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5143 Small Animal Applied Veterinary Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5144 Large Animal Applied Veterinary Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5153 Small Animal Parasitology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5154 Large Animal Parasitology</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5164 Small Animal Pathology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5165 Large Animal Pathology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5262 Advanced Small Animal Diagnostic Imaging</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5264 Large Animal Radiology and Ultrasound</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5288 Small Animal Clinical Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5289 Large Animal Clinical Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5325 Small Animal Medicine</td>
<td>4</td>
</tr>
<tr>
<td>VEM 5335 Equine Medicine</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5355 Ruminant Medicine</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5422 Equine Surgery and Lab</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5432 Advanced Small Animal Surgery</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5433 Small Animal Surgery Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5472 Small Animal Anesthesiology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5473 Large Animal Anesthesiology</td>
<td>1</td>
</tr>
</tbody>
</table>

Students who choose to focus on food animal medicine are required to complete VEM 5355 Ruminant Medicine (two credits) along with the small animal medicine, equine medicine, or dairy production medicine course.
Table 3. Elective Didactic Courses
Spring Semester Third-Year or Fall Semester Fourth-Year

Please note – elective courses maybe canceled due to low enrollment and/or may not be taught every year.

Elective didactic courses are offered either during the spring 3rd year or fall 4th year semesters. Students choose these courses to enhance their professional training based on their personal career interests. Enrollment in some of these courses is limited and depends on which area of focused concentration the student has chosen, which means that not all courses are available to all students. In addition, simultaneous scheduling of some courses occurs, which limits enrollment opportunities:

<table>
<thead>
<tr>
<th>Elective Didactic Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5003 End of Life Issues in Veterinary Medicine</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5030 Entrepreneurship for Veterinarians</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5051 Welfare and Wellness for Pets and People – Online**</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5061 Introduction to Veterinary Disaster Response – Online***</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5176 Poisonous Plants</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5206 Advanced Veterinary Animal Clinical Behavior</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5208 Complementary and Alternative Medicine</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5222 Cytodiagnosis in Veterinary Practice</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5225 Small Animal Clinical Nutrition</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5242 Small Animal Ophthalmology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5243 Equine Ophthalmology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5271 Small Animal Reproductive Medicine</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5274 Equine Reproduction</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5277 Bovine Reproduction</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5303 Small Animal Hematology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5304 Small Animal Neurology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5308 Veterinary Medical Oncology</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5311 Avian Medicine and Surgery</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5313 Poultry Diseases</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5320 Shelter Animal Behavior and Welfare – Online*</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5321 Integrating Veterinary Medicine with Shelter Systems – Online***</td>
<td>3</td>
</tr>
<tr>
<td>VEM 5322 Introduction to Shelter Medicine</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5324 Veterinary Forensic Medicine</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5343 Small Animal Dentistry</td>
<td>1</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>VEM 5352</td>
<td>Dairy Production Medicine</td>
</tr>
<tr>
<td>VEM 5363</td>
<td>Diseases of Laboratory Animals</td>
</tr>
<tr>
<td>VEM 5364</td>
<td>Clinical Medicine and Surgery of Rabbits, Rodents, and Ferrets</td>
</tr>
<tr>
<td>VEM 5370</td>
<td>Reptile Medicine and Surgery</td>
</tr>
<tr>
<td>VEM 5371</td>
<td>Aquatic Animal Conservation Issues – <strong>Online</strong></td>
</tr>
<tr>
<td>VEM 5372</td>
<td>Aquatic Wildlife Health Issues – <strong>Online</strong></td>
</tr>
<tr>
<td>VEM 5373</td>
<td>Manatee Health &amp; Conservation – <strong>Online</strong> **</td>
</tr>
<tr>
<td>VEM 5377</td>
<td>Marine and Large Mammal Medicine</td>
</tr>
<tr>
<td>VEM 5378</td>
<td>SeaVet Clinical Training**</td>
</tr>
<tr>
<td>VEM 5381</td>
<td>Shelter Animal Physical Health– <strong>Online</strong></td>
</tr>
<tr>
<td>VEM 5388</td>
<td>Advanced Small Animal Dermatology</td>
</tr>
<tr>
<td>VEM 5501</td>
<td>Clinical Epidemiology</td>
</tr>
<tr>
<td>VEM 5506</td>
<td>International Veterinary Medicine (SIVO/HEAL)**</td>
</tr>
<tr>
<td>VEM 5530</td>
<td>Beef Production Medicine</td>
</tr>
<tr>
<td>VEM 5571</td>
<td>Emerging Diseases</td>
</tr>
<tr>
<td>VEM 5584</td>
<td>Clinical Pathology</td>
</tr>
<tr>
<td>VEM 5902</td>
<td>Supervised Academic Teaching Development (Teaching Assistant)</td>
</tr>
<tr>
<td>VEM 5912</td>
<td>Supervised Veterinary Medical Research **</td>
</tr>
<tr>
<td>VEM 5931</td>
<td>Topics in Veterinary Medicine</td>
</tr>
<tr>
<td>VEM 5991</td>
<td>Individual Investigation **</td>
</tr>
<tr>
<td>VEM 5992</td>
<td>Veterinary Business Special Project</td>
</tr>
</tbody>
</table>

* Enrollment in these courses may entail extra fees that are not included in regular tuition, such as distance learning fees. These are assessed by the University and are not maintained or managed by OSI. Please contact the Registrar's Office or Bursar's Office for questions regarding these charges.

** These courses are typically offered in the summer semester. Each course is subject to cancellation due to low enrollment or instructor availability and/or may not be offered every year.
Clinical Clerkships

Clerkships are scheduled during the summer and fall semesters of the 3rd-year (which occupies a 32-week period) and the spring semester of the 4th year. Fourth year students are required to complete a minimum of 16 weeks of clinical clerkships during the final spring semester, regardless of the number of credits they have accumulated towards graduation.

Clerkships are two or four weeks in duration and students typically earn two or four credits per clerkship depending on the length of the clerkship. All required clerkships must be completed prior to graduation, including the medicine and surgery requirements (see below).

A minimum of 150 credit hours are needed to graduate from the College of Veterinary Medicine. If a fourth-year student has not completed their core clinical clerkships prior to this final semester of DVM work, they must do so during this time. Many fourth-year students have multiple opportunities to schedule elective clerkships during their final semester of clinical studies.

Clerkships: Medicine and Surgery Requirement

Use the options below to fulfill the medicine/surgery requirements. In all of the below scenarios Practiced Based Equine Clerkship (PBEC) can be substituted in either medicine or surgery categories, but can only be taken once! To learn more about PBEC, see their website here.

(SAM = Small Animal Medicine; SAS = Small Animal Surgery; LAM = Large Animal Medicine; LAS = Large Animal Surgery; PBEC = Practice Based Equine Clerkship; FARMS = Food Animal Reproduction & Medicine Service)

Small Animal Emphasis Students:
Choose one option to fulfill the medicine requirement:
SAM (4 wks) + LAM (2 wks) = 6 weeks OR SAM (4 wks) + PBEC (2 wks) = 6 weeks

AND
Choose one option to fulfill the surgery requirement:
SAS (4 wks) + LAS (2 wks) = 6 weeks OR SAS (4 wks) + PBEC (2 wks) = 6 weeks

Large Animal Emphasis Students:
Choose one option to fulfill the medicine requirement:
LAM (4 wks) + SAM (2 wks) = 6 weeks OR LAM (2 wks) +PBEC (2 wks) + SAM (2 wks) = 6 weeks

AND
Choose one option to fulfill the surgery requirement:
LAS (4 wks) + SAS (2 wks) = 6 weeks OR LAS (2 wks) + PBEC (2 wks) + SAS (2 wks) = 6 weeks

*Mixed Animal Emphasis Students* can use a combination of any of the above, as long as the student completes 6 weeks of medicine and 6 weeks of surgery clerkships.

LAM/LAS/PBEC/FARMS Requirement

All students, regardless of emphasis, must complete three of the four clerkships: LAM, LAS, PBEC, FARMS. Three of these four clerkships must be completed (at least one time) in order to meet graduation requirements.
<table>
<thead>
<tr>
<th>Clerkship Course Number and Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5315 Poultry Medicine Practicum</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5344 Small Animal Dentistry Skills and Techniques</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5374 Diseases of Warm Water Fish Lab</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5730 Required Practice Based Equine Clerkship [PBEC]</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5733 Required Large Animal Medicine Clerkship [LAM]</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5735 Required Food Animal Reproduction &amp; Medicine Service Clerkship [FARMS]</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5737 Required Large Animal Surgery Clerkship [LAS]</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5741 Required Small Animal Medicine Clerkship [SAM]</td>
<td>2 or 4</td>
</tr>
<tr>
<td>VEM 5743 Required Outpatient Medicine &amp; Dentistry Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5745 Required Small Animal Surgery Clerkship [SAS]</td>
<td>2 or 4</td>
</tr>
<tr>
<td>VEM 5751 Required Applied Pathology Clerkship</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5761 Required Anesthesiology Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5783 Required Radiology Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5821 Advanced Zoological Medicine Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5830 Practice Based Equine Clerkship Elective</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5833 Advanced Large Animal Medicine Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5835 Advanced Food Animal Reproduction &amp; Medicine Service Clerkship (FARMS)</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5836 Food Animal Production Medicine Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5837 Advanced Large Animal Surgery Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5841 Advanced Small Animal Medicine Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5843 Outpatient Medicine and Dentistry Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5845 Advanced Small Animal Surgery Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5846 Practice Based Small Animal Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5847 Veterinary Emergency Critical Care Clinical Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5848 Veterinary Emergency Critical Care Clinical Clerkship, Ocala, FL</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5851 Advanced Applied Pathology Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5856 Microbiology, Parasitology and Serology Clerkship</td>
<td>1</td>
</tr>
<tr>
<td>VEM 5861 Advanced Anesthesiology Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>VEM 5862 Veterinary Cardiology Clerkship</td>
<td>2</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>-------------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>VEM 5863</td>
<td>Shelter Practice Clerkship</td>
</tr>
<tr>
<td>VEM 5864</td>
<td>Shelter Animal Sterilization and Population Management Clerkship</td>
</tr>
<tr>
<td>VEM 5869</td>
<td>Advanced Dermatology Clerkship</td>
</tr>
<tr>
<td>VEM 5873</td>
<td>Veterinary Oncology</td>
</tr>
<tr>
<td>VEM 5875</td>
<td>Advanced Neurology Clerkship</td>
</tr>
<tr>
<td>VEM 5876</td>
<td>Integrative Medicine Clerkship</td>
</tr>
<tr>
<td>VEM 5877</td>
<td>Advanced Ophthalmology Clerkship</td>
</tr>
<tr>
<td>VEM 5880</td>
<td>ICU Critical Care Special Clerkship</td>
</tr>
<tr>
<td>VEM 5883</td>
<td>Advanced Radiology Clerkship</td>
</tr>
<tr>
<td>VEM 5884</td>
<td>Elective Ultrasound Clerkship</td>
</tr>
<tr>
<td>VEM 5885</td>
<td>Advanced Theriogenology Clerkship</td>
</tr>
<tr>
<td>VEM 5890</td>
<td>Consultations in Shelter Animal Medicine Clerkship</td>
</tr>
<tr>
<td>VEM 5891</td>
<td>Veterinary Community Outreach Clerkship</td>
</tr>
<tr>
<td>VEM 5892</td>
<td>Externship/Advanced Special Projects</td>
</tr>
<tr>
<td>VEM 5894</td>
<td>Veterinary Business Management Clerkship</td>
</tr>
</tbody>
</table>
Student Externships

Students are eligible to complete approved externships once they have begun their clerkship rotations in their 3rd year. During the spring semester of the 4th year, students may only complete an externship during a period when they have been granted vacation. The vacation can’t be substituted for a clinical rotation. The maximum number of externship credits a student may apply towards graduation is eight. Students are permitted to complete 3 externships, one of which can be for one month in duration and will be eligible for four credits; the remaining two externships will only be eligible for two credits per two-week experience.

Students are not permitted to complete international externships for academic credit. Only students currently enrolled in the Certificate of International Veterinary Medicine may pursue international externships to fulfill the International Veterinary Medicine certificate requirements. The International Veterinary Medicine Program is not enrolling new students, and will retire this program at the end of 2015 academic year.

Important Facts and Regulations for Students about Completing Externships

- Externships are optional and are not required to graduate.
- Externships are pass/fail.
- Third and Fourth year students are the only students eligible to register for externships.
- All externships must be approved in advance by members of the curriculum committee.
  - While the college maintains a data base of many available externships, additional externships can be approved if planned for in advance by submitting the required Externship Site Approval Form. Please ask the practice to submit this request form 3-4 months prior to your externship so the committee has ample time to review your request.
- All externships must be supervised by a licensed veterinarian or doctoral level research scientist.
- Students are not permitted to complete an externship for academic credit under the direct supervision of any family member.
  - Students can, however, complete an externship at a family member’s practice as long as the supervising veterinarian is not related to the student.
- Students cannot earn academic credit for externships taken abroad.

Earning Externship Credit

- Students must be enrolled with OSI in order to gain credit. Contact the externship coordinator to ensure that your enrollment is complete and accurate for the requested time frame.
- Students may complete up to 3 externships for credit.
- All externships a student plans to complete must be at different locations.
- Externships are pass/fail (S/U)
  - Students must receive an overall grade of “satisfactory” from their supervisor in order to receive a passing grade. If an “unsatisfactory” remark is awarded either overall, or in the area of “readiness to practice,” the student will be required to discuss their externship experience with the Dean of Students.
  - Students have the option to earn a total of 2, 4, 6, or 8 credits. The maximum number of credits a single experience can fulfill is 4 credits.
    - If the maximum number of credits allowed (8) have been completed, any other externship a student chooses to complete after that will simply be for experience and will not be eligible for credit.
- Students must stay a minimum of two weeks at one location or a maximum of four weeks.
In the event the location the student has chosen requires an odd length of time for participation, for instance three or six weeks, they would earn 2 credits for three weeks of participation or 4 credits for six weeks of participation.

- Credit is not disbursed retroactively. All externships a student plans to complete must be noted on their schedule in advance. Any externship completed that is otherwise not on the student's schedule will not be eligible for academic credit.

### Examples of Potential Externship Credit

<table>
<thead>
<tr>
<th>Externship Work</th>
<th>Credits Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 weeks at 1 location</td>
<td>2</td>
</tr>
<tr>
<td>1 month at 1 location</td>
<td>4</td>
</tr>
<tr>
<td>2 weeks at 3 different locations</td>
<td>6</td>
</tr>
<tr>
<td>2 weeks at 2 different locations plus 1 month</td>
<td>8</td>
</tr>
</tbody>
</table>

*2 weeks = 10 business days  *1 month = 20 business days

### Choosing a Practice/Location

- The practice(s)/location(s) you decide to complete your externship(s) at must be approved prior to participation in the externship.

- To have a practice/location approved, please provide the practice with the Externship Site Approval Form. This application must be filled out entirely and submitted 3-4 months in advance in order to be reviewed by the committee.

- Approved practices will be stored in the externship database and updated as locations are approved.

### Student Responsibilities

- Apply and make arrangements with the practice(s)/location(s) chosen. Some locations are very competitive, plan early.

- Schedule a brief meeting with Dot McColskey, mccolskeyd@ufl.edu, to review your plans.

- Confirm understanding of UFCVM externship rules and regulations and adhere to all in order to ensure proper earning of credits.

- Communicate any problems or issues that arise before, during, or after an externship to Dot McColskey, mccolskeyd@ufl.edu

- Supply supervising veterinarian with a copy of the “Student Externship Grade Form” and complete the “Student Evaluation of Externship Experience” in order to receive a grade for your experience. These documents are provided through E Value.

### Externship Contact Information

<table>
<thead>
<tr>
<th>Externship Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dot McColskey</td>
</tr>
<tr>
<td><a href="mailto:mccolskeyd@ufl.edu">mccolskeyd@ufl.edu</a></td>
</tr>
<tr>
<td>Phone: 352-294-4260</td>
</tr>
<tr>
<td>Fax: 352-846-2744</td>
</tr>
</tbody>
</table>
Courses of Instruction

Each course requires students to uphold University expectations of Academic Honestly, Professional Behavior, Attendance and Safety. In conjunction, the University agrees to provide the student with resources for the above expectations as well as policies on Remediation, Instructor Evaluations, Accommodations for Students with Disabilities, Student Safety and Grading. These outlined expectations and resources can be found here.

All course instructors will provide their own course-specific syllabus and grading scale within their e-Learning site. Please view the course e-Learning site for the most up-to-date grading scale, instructor information and/or class schedules.

Department of Comparative, Diagnostic and Population Medicine

**VEM 5115** Veterinary Histology and Embryology – 1 credit. Familiarize DVM students with the basics of veterinary histology, to allow for subsequent study of organ-specific structures. Give students an appreciation for the importance of histology and embryology and how they relate to veterinary medical practice. Prepare DVM students to understand embryological malfunctions that contribute to clinical cases. Course Coordinator – Dr. M. Dark; Grading System – Letter grade.

**VEM 5144** Large Animal Applied Veterinary Microbiology - 1 credit. Provides experience with applied microbiological techniques and equipment for diagnosing bacterial, viral, and fungal diseases of horses and cattle. Course Coordinator - Dr. M. Long; Grading System - Letter grade.

**VEM 5150** Veterinary Parasitology - 1 credit. Basic principles of parasitology including morphology and life cycles of representative species inhabiting domestic animals and transmissible from animals to humans. Epidemiology, pathogenesis, pathology, and immunology are emphasized. Course Coordinator - Dr. H. Walden; Grading System - Letter grade.

**VEM 5153** Small Animal Parasitology - 1 credit. Parasites of the small animal host; identification; nomenclature, mode of infection, diagnosis, treatment and control. Course Coordinator – Dr. H. Walden; Grading System - Letter grade.

**VEM 5154** Large Animal Parasitology - 2 credits. Parasites of cattle, sheep, goats, pigs, and horses; identification, nomenclature, mode of infection, diagnosis, treatment and control. Course Coordinator - Dr. H. Walden; Grading System - Letter grade.

**VEM 5161** General Pathology - 2 credits. General Pathology is a lecture and laboratory course introducing basic reactions of cells and tissues to injury that underlie all disease processes and include cell injury and death, circulatory disturbances, inflammation and repair as well as disturbances of growth and neoplasia. Lectures and laboratories focus on pathogenesis, morphologic features, pathophysiologic significance and sequelae of basic pathologic processes and serve as a prerequisite for Veterinary Systemic Pathology. Course Coordinator - Dr. W. Castleman; Grading System - Letter grade.

**VEM 5162** Veterinary Systemic Pathology - 3 credits. Systemic pathology, a continuation of VEM 5161, involving study of pathogenesis and gross and microscopic characteristics of animal diseases. Course Coordinator – Dr. L. Farina; Grading System - Letter grade.

**VEM 5165** Large Animal Pathology - 1 credit. Pathology of the horse, cattle, sheep, goats, and swine from a systems perspective: including cardiovascular and respiratory, alimentary, hemolymphatic, endocrine, musculoskeletal, alimentary and hepatic systems, and non-neoplastic and neoplastic disorders. Course Coordinator - Dr. W. Castleman; Grading System - Letter grade.

**VEM 5164** Small Animal Pathology - 1 credit. Major disease entities of dogs and cats will be presented via a systems approach. Emphasis will be placed on recognition and understanding of the disease process and its clinical manifestations. Formulation of differential diagnosis will be stressed when pertinent. Course Coordinator - Dr. J. Abbott; Grading System - Letter grade.

**VEM 5208** Complementary and Alternative Veterinary Medicine - 1 credit. This course covers areas in complementary and alternative veterinary medicine that are used as modalities in humans and animals for the treatment and prevention of disease. Course Coordinator - Dr. J. Shmalberg; Grading System - Satisfactory/Unsatisfactory assessment.

**VEM 5221** Veterinary Clinical Pathology - 4 credits. This is an introductory course designed to provide basic knowledge about veterinary clinical pathology. The major goal of this course is that students be able to understand and use clinical pathology test results (complete blood cell count, serum biochemistry, urinalysis, hemostatic testing, and cytology) to diagnose and monitor animal diseases in clinical practice. In general, exam questions will focus upon recall of information taught during all course meetings (lectures, case discussions, and laboratories) and
application of that information to interpret clinically based laboratory data. Course Coordinator – Dr. S. Beatty; Grading System – Letter grade

**VEM 5222** Cytodiagnosis in Clinical Practice - 1 credit. This course will focus on how to obtain, stain, and evaluate high quality cytologic specimens. Students will learn to interpret microscopic findings in body fluids, organs and tissue masses, and understand the practical application of cytology as it applies to veterinary medicine. Course Coordinator – Dr. S. Beatty; Grading System - Letter grade.

**VEM 5303** Small Animal Hematology - 1 credit. Lecture, discussion, and lab approach to small animal hematology including the diagnosis and treatment of bone marrow disorders, immune-mediated diseases, and hemoparasites. This course is designed to provide clinical expertise in the use of hematology in the diagnosis and treatment of animal diseases. Some exposure to comparative hematology will also be provided. Course Coordinator - Dr. M. Leissinger; Grading System - Letter grade.


**VEM 5370** Reptile Medicine and Surgery - 1 credit. This one credit course is presented two hours daily for two weeks. Lectures cover basic biology and husbandry of reptile pets. Lecture topics also include nutrition and nutritional diseases, antimicrobials, anesthesia and surgery, diagnostic and therapeutic procedures and techniques, fungal and parasite diseases, and viral and bacterial diseases. Common clinical conditions of reptile patients such as thermal burns, infectious stomatitis, and reproductive disorders are also covered. The course includes two wet laboratories. In the surgical anatomy portion of the laboratory, the anatomy related to various surgical procedures is reviewed using cadaver specimens of snakes, turtles, lizards, and alligators. Course Coordinator – Dr. J. Wellehan; Grading System - Satisfactory/Unsatisfactory assessment.

**VEM 5377** Marine and Large Mammal Medicine - 1 credit. To educate students in the basic science, husbandry, medicine and surgery of large mammal. To understand the classification of mammals, special husbandry issues and management of species, including medicine surgery and anesthesia. Course Coordinator - Dr. M. Walsh; Grading System - Satisfactory/Unsatisfactory assessment.

**VEM 5378** SeaVet Clinical Training - 3 credits. SeaVet is a new training program in marine mammal science and medicine. This will be the second offering of this course. The curriculum will emphasize species native to Florida such as the manatee and small cetaceans. A segment on sea turtles will also be included. The course is intended to serve as an introduction to marine mammal biology, natural history and captive husbandry. Common health concerns of both free-ranging and captive populations will be discussed with emphasis on management and disease prevention. The course is intended for students in veterinary medicine and related disciplines as well as graduate veterinarians, professional biologists, marine mammal trainers and agency personnel. Course Coordinator – Dr. J. Wellehan; Grading System - Letter grade.

**VEM 5470** Veterinary Anesthesiology - 1 credit. Physics and chemistry of anesthetics; anesthetic management and monitoring; general and regional anesthesia of small animals, large animals and exotic animals. Course Coordinator - Dr. F. Garcia-Pereira; Grading System - Letter grade.

**VEM 5472** Small Animal Anesthesiology - 1 credit. The course deals with the principles and practice of small animal anesthesia. The topics include the use of small animal anesthetic machines, perianesthetic drugs, monitoring, choice of inhalant agents, perioperative pain management, management of complications, and dysrhythmias during anesthesia, local anesthetic techniques, epidural drugs, ventilator support, and anesthetic management of patients with specific diseases and procedures. Anesthesia of small mammals is also discussed. Course Coordinator - Dr. L. Pablo; Grading System - Letter grade.

**VEM 5473** Large Animal Anesthesiology - 1 credit. The course deals with the principles and practice of large animal anesthesia. The topics include perianesthetic drugs, field anesthesia, monitoring, perioperative pain management, management of complications, local anesthetic techniques, ventilator support, and anesthetic management of patients with specific diseases and procedures. Anesthesia of pigs, cattle, small ruminants, and camels is also discussed. Course Coordinator Dr. F. Garcia-Pereira; Grading System - Letter grade.

**VEM 5751** Core Applied Pathology Clerkship - 1 credit. Experience in gross necropsy, and histopathological examination. Pathology case material consists of in-patients as well as material referred from outside. Course Coordinator – Dr. L. Farina; Grading System - Letter grade.

**VEM 5761** Core Anesthesiology Clerkship - 2 credits. Clinical experience in anesthesiology and pulmonary function. Course Coordinator - Dr. F. Garcia-Pereira; Grading System - Letter grade.

**VEM 5821** Advanced Zoological Medicine Clerkship - 2 credits. Clinical experience in the diagnosis and treatment of diseases of pet animals, aquatic animals and exotic species. Course Coordinator - Dr. D. Heard; Grading System - Letter grade.
VEM 5851 Advanced Applied Pathology Clerkship - 2 credits. Experience in gross necropsy and histopathological examination. Case material consists of in patients as well as material referred from outside. Requires advanced permission from the course coordinator, and the student must participate in the biopsy service. Course Coordinator - Dr. L. Farina; Grading System - Letter grade.

VEM 5854 Clinical Pathology Elective - 1 credit. Through small group instructor lead sessions, laboratories, discussion, and clinical cases, this course will focus on how to obtain, evaluate, and process high quality clinical pathology specimens. Students will learn to interpret hematology, serum biochemistry, endocrinology cases in a clinical context as well as microscopic findings in blood, urine, other body fluids, organs and tissue masses, and understand the practical application of cytology as it applies to veterinary medicine. Course Coordinator - Dr. M. Leissinger; Grading System - Letter grade.

VEM 5861 Advanced Anesthesiology Clerkship - 2 credits. Clinical experience in anesthesiology and pulmonary function. Course Coordinator - Dr. F. Garcia-Pereira; Grading System - Letter grade.

VEM 5876 Integrative Medicine Clerkship - 2 credits. To learn the basic principles and clinical applications in areas of integrative medicine including acupuncture, herbal medicine, rehabilitation and nutrition. Course Coordinator – Dr. J. Shmalberg; Grading System - Letter grade.

VEM 5893 Microbiology, Parasitology, and Serology Clinical Clerkship – 1 credit. The purpose of this course is to introduce the student to the diagnostic procedures performed on a daily basis in the areas of microbiology, parasitology and serology. The caseload will dictate the actual diseases that are seen clinically and therefore case based teaching will focus on determination of diagnostic protocols to be used, how each protocol is performed, troubleshooting problems in diagnostic testing, and the use of diagnostic keys and molecular procedures to identify microorganisms and parasites. Each student will get cases assigned at the beginning of the week and is expected to follow these cases to completion during their rotation. Course Coordinator - Dr. J. Wellehan; Grading System - Letter grade.

VEM 5991 Individualized Investigation - 2 credits. Students individually prepare an oral and written report on a research or clinical topic. Course Coordinator - Dr. M. Long; Grading System - Letter grade.

**Department of Infectious Diseases and Immunology**

VEM 5131 Veterinary Molecular Biology - 1 credit. Basic overview of molecular genetics; alteration of genetic information and its consequences; molecular diagnostics and molecular therapeutics and biotech products. Course Coordinator - Dr. D. Allred; Grading System - Letter grade.

VEM 5141 Veterinary Microbiology - 3 credits. Structure, biochemistry and identification of pathogenic microorganisms. Causes, signs, treatment, control and prevention of infectious diseases in domestic animals. Course Coordinator - Dr. D. Brown; Grading System - Letter grade.

VEM 5143 Small Animal Applied Veterinary Microbiology - 1 credit. Provides experience with the nuances of diagnosis and control of infectious diseases of special significance in feline, canine, and exotic animals. The application, use, abuse, and interpretation of commercially available diagnostic tools for small animal practitioners will be demonstrated and discussed. Course Coordinator - Dr. M. Brown; Grading System - Letter grade.

VEM 5313 Poultry Diseases - 1 credit. Emphasis is on recognition and diagnosis of major diseases of chickens that affect commercial production. These include viral, bacterial, fungal and parasitic diseases, and nutritional deficiencies. Respiratory diseases will be highlighted. Basic avian anatomy is discussed, and there is one laboratory exercise on poultry gross pathology and necropsy. Vaccination is discussed briefly. Course Coordinator - Dr. C. Romero; Grading System - Letter grade.

VEM 5363 Diseases of Laboratory Animals - 1 credit. Diseases of Laboratory Animals - 1 credit. Covers etiology, pathogenesis, clinical signs, gross and microscopic pathology, diagnosis, treatment and control of diseases of laboratory animals concentrating on rodents, and non-human primates. The format of the course is lectures supplemented by images and handouts. Students considering this course should be aware that, due to the amount of material, coverage is necessarily somewhat superficial. The emphasis of the course is on spontaneous diseases and on understanding and preventing the potential complications due to disease. Course Coordinator - Dr. H. Ramirez; Grading System - Letter grade.

VEM 5823 Laboratory Animal Medicine – 2 credits. Unlike clinical practice, where the majority of the veterinarian's time is spent attending clinical cases, a Laboratory Animal Veterinarian's times is divided between a diverse number of tasks that include design and implementation of clinical and preventative veterinary medical programs, oversight of animal husbandry programs, participation in institutional animal care and use committees, consulting/advising investigators among others. The daily clinical load of a Laboratory Animal Medicine can be between 10 and 50% depending on the species involved. Due to this diversity in responsibilities, the rotation will include lectures,
group discussion, as well as, as much hands on experience we can provide you. Course Coordinator Dr. H. Ramirez; Grading System – Letter grade

### Department of Large Animal Clinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5030</td>
<td>Entrepreneurship for Veterinarians</td>
<td>2</td>
<td>The goal of the course is to teach veterinary students the critical aspects of finance, operations, marketing and human resource management to prepare them for successful practice ownership. Course Coordinator – Dr. M. Mallicote; Grading System – Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5032</td>
<td>Veterinary Business and Professional Development</td>
<td>1</td>
<td>Basic principles of veterinary professional management, career opportunities in the profession, personal financial planning, personnel management and employment law, and client relations. Issues of the human animal bond and animal welfare/animal rights are also addressed. Course Coordinator – Dr. M. Mallicote; Grading System - Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5035</td>
<td>Veterinary Business Management</td>
<td>1</td>
<td>This course outlines the establishment and daily operations of veterinary practice. Basic office procedures, purchasing products, effective communications, malpractice and negligence, as well as medical ethics and legal responsibilities. Course Coordinator - Dr. M. Mallicote; Grading System - Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5041</td>
<td>Contemporary Topics in Animal Welfare and Ethics</td>
<td>1</td>
<td>Introduction to basic moral theory and its relevance and application to ethical dilemmas and social issues in veterinary medicine. Course Coordinator – Dr. A. House; Grading System - Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5204</td>
<td>Supervised Patient Care and Clinical Skills IV</td>
<td>1</td>
<td>Engage Students in the application of knowledge acquired in the veterinary curriculum from day one in order to better prepare them for the level of responsibility expected of a Phase III student and practice ready veterinarian. Course Coordinator – Dr. Martha Mallicote; Grading System - Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5271</td>
<td>Small Animal Reproductive Medicine</td>
<td>1</td>
<td>Course covers canine and feline reproductive endocrinology, infectious and metabolic diseases related to infertility, reproductive management, and artificial insemination. Course Coordinator – Dr. A. Kelleman; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5274</td>
<td>Equine Reproduction</td>
<td>1</td>
<td>Advanced equine reproductive physiology and endocrinology with laboratory - including management of estrous; infertility in the mare; abortion; problems of gestation; post-partum problems; neonatal care; ultrasonography; stallion breeding soundness examination; semen handling and preservation; stallion infertility. Course Coordinator - Dr. M. MacPherson; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5277</td>
<td>Bovine Reproduction</td>
<td>1</td>
<td>Special emphasis on problems in bovine reproduction including diagnosis of pregnancy, postpartum care, rebreeding, abortion, evaluation of breeding soundness, heifer management, embryo transfer, ultrasonography, teaser bull management, reproductive surgery. Pre-requisite to VEM 5888 - Bovine Reproduction Clerkship. Course Coordinator - Dr. C. Risco; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5278</td>
<td>Theriogenology</td>
<td>2</td>
<td>Basic principles of obstetrics, gynecology, andrology, genital diseases, fertility control and artificial insemination of domestic animals. Course Coordinator - Dr. M. Pozor; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5289</td>
<td>Large Animal Clinical Pharmacology</td>
<td>1</td>
<td>Bovine and equine ethical therapeutics; issues of food and drug residues; industrial trials; parasite chemotherapy; pharmacology of muscle relaxants; quality control programs. Course Coordinator – Dr. C. Sanchez; Grading System - Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5315</td>
<td>Poultry Medicine Practicum</td>
<td>2</td>
<td>Clinical experience in poultry veterinary medicine. Exposure to poultry research, teaching and diagnostic activities. Course Coordinator - Dr. G. Butcher; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5335</td>
<td>Equine Medicine</td>
<td>3</td>
<td>Essentials of equine internal medicine including fluid therapy, cardiopulmonology, gastroenterology, neurology, hemolymphatic disorders, dermatology, and special problems in neonatology. Course Coordinator - Dr. M. Mallicote; Grading System - Satisfactory/Unsatisfactory assessment.</td>
</tr>
<tr>
<td>VEM 5352</td>
<td>Dairy Production Medicine</td>
<td>1</td>
<td>Introduction to topics in dairy herd health and production management. Topics covered include record keeping systems, implementation and evaluation of reproductive programs, milk quality and milking management, nutrition programs, replacement rearing programs, individual animal health management and client education. Course Coordinator - Dr. R. Bisinotto; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5355</td>
<td>Ruminant Medicine</td>
<td>2</td>
<td>Gastroenterology, respiratory diseases, neurology, cardiovascular diseases, hemolymphatic disorders, and dermatology of ruminants. Course Coordinator - Dr. C. Sanchez; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5371</td>
<td>Aquatic Animal Conservation Issues</td>
<td>2</td>
<td>On-line - This course introduces veterinary students to some controversial conservation issues surrounding aquatic species ranging from invertebrates to marine mammals. Students should gain a working knowledge of critical conservation issues, learn pro/con aspects of a given</td>
</tr>
</tbody>
</table>
problem, develop critical thinking skills for identifying problems, and provide possible solutions or compromises. Course Coordinator – Dr. I. Larkin; Grading System – Letter grade.

VEM 5372 Aquatic Wildlife Health Issues – 2 credits. On-Line - This course will introduce veterinary students to natural history, anatomy, physiology, behavior and health issues of aquatic wildlife, such as: marine mammals, sea turtles, crocodilians, fish and invertebrates. Students should be able to describe and differentiate between normal/unhealthy animals, and have a working knowledge of common health issues. Course Coordinator – Dr. I. Larkin; Grading System – Letter grade.

VEM 5373 Manatee Health & Conservation – 2 credits. On-Line - The focus is to introduce veterinary students to manatee natural history, anatomy, physiology, behavior, conservation and health issues. Students will be exposed to these topics, introduced to current experts in these fields, be able to evaluate and describe common health and mortality issues, and explain current management strategies. Course Coordinator – Dr. I. Larkin; Grading System – Letter grade.

VEM 5374 Diseases of Warm Water Fish - 3 credits. Diagnosis and management of diseases of warm water fish. Emphasis on aquarium fish with consideration of food fish production and game fish. Course Coordinator - Dr. R. Francis-Floyd; Grading System - Letter grade.

VEM 5422 Equine Surgery and Lab - 3 credits. This course is designed to give senior veterinary students an overview of the common surgical conditions seen in horses. All systems are covered in the course and pertinent background information is covered on each condition. Hands-on laboratories are incorporated when appropriate to give students an opportunity to apply what they have learned. Course Coordinator Dr. T. McCarrel; Grading System - Letter grade.

VEM 5501 Clinical Epidemiology - 1 credit. Introduction to food animal oriented clinical epidemiology. Topics covered include epidemiological history and principles, interpretation of diagnostic tests, measurement of disease frequency, epidemiologic criteria for association in disease, confounding and interaction, disease outbreak and disease investigation. Course Coordinator - Dr. A. Donovan; Grading System - Letter grade.

VEM 5503 Veterinary Epidemiology - 2 credits. Principles of epidemiology in the study of diseases in animal populations. Course Coordinator - Dr. R. Isaza; Grading System - Letter grade.

VEM 5504 Veterinary Preventive and Production Medicine - 2 credits. Introduction to basic concepts in preventive and production medicine with emphasis on herd health and production programs for domestic animals including cattle, (dairy and beef), small ruminants, swine and companion animals. Epidemiological and economic aspects are combined with production health, regulatory and preventive medicine considerations. Course Coordinator - Dr. M. Mallicote; Grading System - Letter grade.

VEM 5506 International Veterinary Medicine - 1 credit. To develop an awareness of the impact that veterinary medicine has on the health and well-being of people and animals in foreign countries, and explore opportunities in international veterinary medicine. Course Coordinator – SIVO-HEAL; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5510 Emerging and Exotic Diseases - 1 credit. On-line - Distance Education. Course Coordinator - Dr. F. Maunsell; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5530 Beef Production Medicine - 1 credit. Emphasis is given to beef cattle health including topics in the principles and practices of beef cattle production and herd health management, cattle regulatory issues and quality assurance, nutrition and feeding, genetics, reproduction, behavior, practice economics, and computerized management of health and production records. Course Coordinator - Dr. D.O. Rae; Grading System - Letter grade.

VEM 5571 Emerging Diseases - 1 credit. Issues surrounding transmission, control, regulation, and reporting of foreign and emerging diseases. Course Coordinator - Dr. F. Maunsell; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5730 Practice Based Equine Clerkship – 2 credits. The purpose of this course is to provide students with additional and advanced on-farm primary care experience with horses in physical examinations, diagnosis, treatment, herd health, routine surgery and practice management. Course Coordinator – Dr. A. House; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5733 Core Large Animal Medicine Clerkship - 2 credits. Clinical experience in medicine of large domestic animals. History taking, physical examination and management of hospital patients and out patients. Course Coordinator - Dr. S. Reuss; Grading System - Letter grade.

VEM 5735 Core Food Animal Reproduction and Medicine Service Clerkship (FARMS) - 2 credits. Clinical experience is provided in medicine, surgery and epidemiology of bovine (beef and dairy), ovine and porcine species. Herd and individual animal history taking, physical examination, diagnostic methods, treatment and management of patients are the core of instruction. Course Coordinator - Dr. O. Rae; Grading System - Letter grade.
VEM 5737 Core Large Animal Surgery Clerkship - 2 credits. Clinical experience in surgery of equine, bovine, porcine, camelid and ovine species. History taking, physical examination and pre-and post-operative management of hospital patients and out patients. Course Coordinator - Dr. D. Freeman; Grading System - Letter grade.

VEM 5830 Advanced Practice Based Equine Clerkship – 2 credits. Practice Based Equine Clerkship – 2 credits. The purpose of this course is to provide students with additional and advanced on-farm primary care experience with horses in physical examinations, diagnosis, treatment, herd health, routine surgery and practice management. Course Coordinator – Dr. A. House; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5833 Advanced Large Animal Medicine Clerkship - 2 credits. Clinical experience in medicine of large domestic animals. History taking, physical examination and management of hospital patients and out patients. Course Coordinator - Dr. S. Reuss; Grading System - Letter grade.

VEM 5835 Elective Food Animal Reproduction and Medicine Service Clerkship (FARMS) - 2 credits. This elective course provides an advanced clinical experience in medicine, surgery and epidemiology of bovine (beef and dairy), ovine and porcine species. Herd and individual animal history taking, physical examination, diagnostic methods, treatment and management of patients are the core of instruction. Advanced student involvement and participation are expected. Course Coordinator - Dr. O. Rae; Grading System - Letter grade.

VEM 5836 Special Elective Food Animal Production Medicine Clerkship - 2 credits. Advanced clinical instruction regarding food animal medicine, surgery and epidemiology. Students are assigned specific and challenging case work-ups to be developed in depth over the rotation period. Time and diagnostic resources and tools are made available to solve cases and establish recommendation for management of the case challenge. Course Coordinator - Dr. O. Rae; Grading System - Letter grade.

VEM 5837 Advanced Large Animal Surgery Clerkship - 2 credits. Clinical experience in surgery of equine, bovine, porcine, camelid and ovine species. History taking, physical examination and pre-and post-operative management of hospital patients and out patients. Course Coordinator - Dr. D. Freeman; Grading System - Letter grade.

VEM 5885 Advanced Theriogenology Clerkship - 2 credits. The primary emphasis of this clerkship is to teach fundamentals of veterinary reproduction. The horse will be used as a focus species with a comparative aspect of small animal reproduction and non-equine large animal species. Principles reviewed will include anatomy and physiology, estrous cycles, breeding soundness, breeding management, infertility, pregnancy detection, pregnancy management/abnormalities of parturition and postpartum care. Course Coordinator – Dr. A. Kelleman; Grading System - Letter grade.

VEM 5892 Special Projects - 2 credits. Clinical or research experience augmenting the core clerkships. Course Coordinator - Variable; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5894 Practice Management Clerkship – 2 credits. Practice Management is centered around the intensive business evaluation of veterinary practices. Students will use principles learned in the classroom and apply them to “real world” circumstances with the supervision and assistance of the course instructors. Students will interview practice owners, apply one or more analytical tools to evaluate problems and provide corrective recommendations and plans. At the end of the evaluation, cohesive business recommendations will be formulated for practice owners based on observations and financial analysis. Course Coordinator - Dr. M. Mallicote; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5931 Topics in Aquatic Animal Health – 1 credit. Presentation/discussion by students of selected articles relating to aquatic animal health, including both vertebrates and invertebrates; plus a monthly one hour seminar. Spring and fall semesters every year, one hour a week, 15 weeks. Course Coordinator - Dr. I. Larkin, Grading System; - Satisfactory/Unsatisfactory assessment.

Department of Physiological Sciences

VEM 5101 Veterinary Gross Anatomy, Small Animal- 4 credits. Gross anatomy of organ systems in companion animals. Course Coordinator - Dr. S. Tevosian; Grading System - Letter grade.

VEM 5110 Animal Systems I - 7 credits. Anatomy, physiology and physiological chemistry of animal organ systems. 


VEM 5111 Animal Systems II - 7 credits. Continuation of Animal Systems I. VEM 5110 is a prerequisite to VEM 5111. 

Musculoskeletal – L. Hayward; Cardiology – L. Hayward; Respiration – P. Davenport; Reproduction – M. Pozor. Course Coordinator - Dr. C. Vulpe; Grading System - Letter grade.

VEM 5112 Animal Systems III - 7 credits. Continuation of Animal Systems II. VEM 5111 is a prerequisite to VEM 5112. 

Digestion - D. Freeman; Veterinary Gross Anatomy, Large Animal - R. Johnson; Renal - D. Bolser. Course Coordinator - Dr. C. Vulpe; Grading System - Letter grade.
VEM 5171 Veterinary Pharmacology - 3 credits. Introduction to general principles of pharmacology, with emphasis on selected classes of drugs that are used commonly in veterinary therapeutics, including mechanisms of action, adverse effects, indications for use as well as species-related differences in drug actions and restrictions. Course Coordinator - Dr. L. Reznikov; Grading System - Letter grade.

VEM 5172 Veterinary Toxicology - 1 credit. Principles of toxicology and mechanisms of antidotal therapy. Course Coordinator – Dr. C. Martyniuk; Grading System - Letter grade.

VEM 5176 Poisonous Plants - 1 credit. In this course, students will learn to identify the most common poisonings, to recognize clinical signs for a common toxicosis, and to know how to effectively treat the patient. At the end of the course, student should be able to identify toxins and their effects by system, and to learn their mechanism of action. Course Coordinator – Dr. C. Martyniuk; Grading System - Letter grade.

Department of Small Animal Clinical Sciences

VEM 5003 End of Life Issues in Veterinary Medicine – 1 credit. The purpose of this course is to provide an introduction to specific information on the euthanasia of different species of animals as well as how to assist veterinary clients during the decision making process and support clients whose pets are dying or have died. Course Coordinator – Dr. K. Harrison; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5008 Putting Families First – Interdisciplinary Family Health - 1 credit. Course Coordinator - Dr. A. Estrada; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5051 Welfare and Wellness for Pets and People – 1 credit. On-Line – The goal of this course is to improve the lives of those who care for animals in their professions by helping them recognize they need to take care of themselves and their colleagues with the same effort as they use to take care of the pets. Enable students with the skills needed to recognize and prevent potential challenges to welfare or wellness for pets and people. Online Coordinator - Dr. J. Levy; Grading System – Satisfactory/Unsatisfactory assessment.

VEM 5061 Introduction to Veterinary Disaster Response -1 credit. On-Line - course introduces students to the basics of responding to disasters as a volunteer veterinary responder and builds a base for further responder training. Students receive training on Incident Command Systems (ICS), learn about the role of veterinarians in disaster response through first-hand accounts and case studies, and craft their own disaster response plan. Students who complete the course will be added to a database of FEMA-trained basic-volunteer responders at the University of Florida College of Veterinary Medicine. The course is required of any student who hopes to respond with the Maddie’s® Shelter Medicine Program if activated by the UF-Vets team. Online Coordinator - Dr. S. Kirk; Grading System – Letter grade.

VEM 5181 Radiological Techniques - 1 credit. Principles of x-rays and radiographic images; radiation safety; animal positioning and x-ray technique charts for large and small animal units. Course Coordinator - Dr. R. Giglio; Grading System - Letter grade.

VEM 5191 Introduction to Veterinary Animal Behavior - 1 credit. Comparative behavior of companion and domestic animals. Course Coordinator - Dr. T. Curtis; Grading System - Letter grade.

VEM 5200 Supervised Patient Care and Clinical Skills I – 1 credit. Engage students in the application of knowledge acquired in the veterinary curriculum from day one in order to better prepare them for the level of responsibility expected of a Phase III student and practice ready veterinarian. Course Coordinator – Dr. J. Wuerz; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5202 Supervised Patient Care and Clinical Skills II – 1 credit. Engage Students in the application of knowledge acquired in the veterinary curriculum from day one in order to better prepare them for the level of responsibility expected of a Phase III student and practice ready veterinarian. Course Coordinator – Dr. A. Stone; Grading System – Satisfactory/Unsatisfactory assessment

VEM 5203 Supervised Patient Care and Clinical Skills III –1 credit. Engage Students in the application of knowledge acquired in the veterinary curriculum from day one in order to better prepare them for the level of responsibility expected of a Phase III student and practice ready veterinarian. Course Coordinator – Dr. Bobbi Connor; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5206 Advanced Clinical Veterinary Animal Behavior - 1 credit. This is an interactive course. In addition to lectures on the use of psychoactive medications for behavioral disorders, how to implement a behavior modification plan, and an overview of the more common behavior problems encountered in veterinary practice, enrolled students will be presenting and reviewing behavior articles and presenting their own behavior cases. Course Coordinator - Dr. T. Curtis; Grading System - Letter grade.

VEM 5220 Basic Veterinary Nutrition -1 credit. Basic principles of veterinary nutrition including effects of deficiency, therapeutic nutrition, and nutrient requirements of diseased and convalescing animals. Course Coordinator - Dr. R. Hill; Grading System - Letter grade.
VEM 5225 Small Animal Clinical Nutrition - 1 credit. Didactic and problem-based approach to small and exotic animal clinical nutrition. Course Coordinator - Dr. R. Hill; Grading System - Letter grade.

VEM 5241 Veterinary Ophthalmology - 1 credit. Study of diseases of the eye and orbit of domestic animals. Laboratories in diagnostic procedures and surgical exercises. Course Coordinator - Dr. D. Whitley; Grading System - Letter grade.

VEM 5242 Small Animal Ophthalmology - 1 credit. Ophthalmologic examination techniques; problems in conjunctival and corneal disease, eyelid, nictitans and lacrimal disease, anterior segment disease, posterior segment disease, and ocular manifestations of systemic diseases. Course Coordinator – Dr. D. Whitley; Grading System - Letter grade.

VEM 5243 Equine Ophthalmology - 1 credit. Form, function, disease, and treatment of the equine eye. Course Coordinator – Dr. C. Plummer; Grading System - Letter grade.

VEM 5251 Emergency Medicine and Critical Care - 1 credit. Evaluation and monitoring of animal patients; shock syndromes; respiratory distress syndromes; hemorrhagic disorders; trauma; cardiopulmonary resuscitation and seizure. Course Coordinator - Dr. B. Conner; Grading System - Letter grade.

VEM 5261 Diagnostic Veterinary Radiology - 1 credit. Interpretation of roentgen signs of normal and abnormal systems of small animals (dogs and cats). Course Coordinator - Dr. E. Porter; Grading System - Letter grade.

VEM 5262 Advanced Small Animal Diagnostic Imaging - 1 credit. Radiographic, ultrasound, and scintigraphic equipment and techniques for observing skeleton and soft tissues in order to identify sites of injury, disease, and other processes in small animals. Course Coordinator - Dr. R. Giglio; Grading System - Letter grade.

VEM 5264 Large Animal Radiology and Ultrasound - 1 credit. Radiographic, ultrasound, and scintigraphic equipment and techniques for observing skeleton and soft tissue in order to identify sites of injury, disease, and other processes in large animals. Course Coordinator – Dr. E. Porter; Grading System - Letter grade.

VEM 5286 Veterinary Clinical Pharmacology - 1 credit. This course builds on the fall sophomore core pharmacology course, VEM 5171, where students have already learned basic mechanisms of action of drugs. This course will focus on the clinical use of drugs in different disease processes with the intent of preparing the student for the clinical years. Course Coordinator – Dr. T. Lanaux; Grading System - Letter grade.

VEM 5288 Small Animal Clinical Pharmacology - 1 credit. This course is designed to be a case based, interactive course where cases are presented on various topics related to small animal clinical pharmacology with the use of Turning Point to promote interaction between faculty and students. Various topics will be presented during this course. Course Coordinator – Dr. R. Milner; Grading System - Satisfactory/Unsatisfactory assessment.

VEM 5301 Veterinary Cardiopulmonology - 2 credits. Veterinary medical aspects of diseases of the cardiovascular and respiratory systems of domestic animals. Course Coordinator - Dr. A. Estrada; Grading System - Letter grade.

VEM 5304 Small Animal Neurology - 1 credit. Course is designed to combine basic neuroscience and clinical neurology for students in the small animal area of concentration. Course Coordinators - Dr. S. Carrera-Justiz; Grading System - Letter grade.

VEM 5305 Veterinary Urology - 1 credit. Clinical signs, diagnosis and treatment of diseases of the urinary system of domestic animals. Course Coordinator - Dr. Specht; Grading System - Letter grade.

VEM 5306 Veterinary Endocrinology - 1 credit. This is a very clinical oriented course providing a brief review of physiology, more in-depth pathophysiology, clinical features, diagnosis, and treatment of various endocrine glands including: pituitary, pancreas, thyroid, parathyroid, adrenal cortex and medulla, gonads. Fluid therapy and electrolyte disorders are also covered. Course Coordinator - Dr. M. Schaer; Grading System - Letter grade.

VEM 5308 Veterinary Medical Oncology - 1 credit. This course is designed to introduce the veterinary student to the incidence, clinical appearance, diagnostic techniques, treatment options, biological behavior, and prognosis associated with common tumors of the dog and cat. Course Coordinator - Dr. R. Milner; Grading System - Letter grade.

VEM 5309 Veterinary Gastroenterology - 1 credit. Clinical signs, diagnosis and treatment of abnormal function of the gastrointestinal system of domestic animals. Course Coordinators – Drs. Gallagher and C. Sanchez; Grading System – Letter grade.

VEM 5320 Shelter Animal Behavior and Welfare - 3 credits. On-Line – This course will help students learn and apply behavioral medicine concepts to address behavior and welfare problems and improve shelter animal behavioral health and wellness in a variety of shelter settings. This course is delivered online through UF e-Learning (Canvas) using an interactive digital “textbook” divided into eleven Modules. Each Module includes interactive activities, readings, recordings, group discussions, assignments, and peer reviews to deepen student understanding as well as assess achievement. This course may also include hands on service-learning laboratories at Gainesville area shelters. Course Coordinator – Dr. B. Griffin; Grading System – Letter grade.

VEM 5321 Integrating Veterinary Medicine with Shelter Systems – 3 credits. On-Line – This course will help you understand and appreciate the critical role played by veterinarians in protecting the health and welfare of sheltered dogs and cats. You will learn to use the Association of Shelter Veterinarians (ASV) Guidelines for Standards of
Care in Animal Shelters as a guide to be best practices in shelters. The course will also help you recognize common infectious diseases, behavioral problems, and examples of animal cruelty presented to animal shelters and understand the shelter veterinarian’s role in responding to such issues. Course Coordinator – Dr. J. Levy; Grading System – Letter grade.

VEM 5322 Shelter Medicine - 1 credit. Students will learn the basics of infection control, preventive medicine, and vaccination strategies unique to the shelter environment. In addition they gain insight into animal abuse and neglect issues and the value of educating the public on spay/neuter procedures. Course Coordinator -Dr. N. Isaza; Grading System - Letter grade.

VEM 5324 Veterinary Forensic Medicine – 1 credit - This course will teach the student the many roles of the veterinarian regarding the investigation of crimes involving animals including crime scene investigation. The course will introduce the student to medico-legal death investigation and the application of forensic science to abuse cases. The student will learn how to work with investigators, prosecutors, and how to provide courtroom testimony. Students will be provided exposure to the application of veterinary forensics in crimes involving animals, including recognition of abuse, crime scene investigation, and interacting with the legal community. Course Coordinator – Dr. C. Crawford; Grading System – Letter grade.

VEM 5325 Small Animal Medicine - 4 credits. Essentials of small animal medicine including diagnosis and treatment of clinical problems of the cardiovascular, pulmonary, gastrointestinal, endocrine, urinary, and hemolymphatic systems; includes infectious diseases, critical care, pediatrics, and dentistry. Course Coordinator - Dr. K. Cooke; Grading System - Letter grade.

VEM 5343 Small Animal Dentistry - 1 credit. To educate students in the basics of diagnosis of dental diseases and oral pathology, formulate a treatment plan, intraoral radiograph, tooth extraction and repair of jaw fractures. Course Coordinator - Dr. A. Stone; Grading System - Letter grade.

VEM 5344 Small Animal Dentistry Skills and Techniques - 2 credits. Laboratory practicums and clinical experience in small animal and exotic species dentistry. History taking, physical examination, pre- and post-operative as well as medical management of dental patients. Course Coordinator - Dr. A. Stone; Grading System - Letter grade.

VEM 5364 Clinical Medicine and Surgery of Rabbits, Rodents, and Ferrets - 1 credit. Introduction to laboratory animal medicine, unique anatomy and physiology and nutritional diseases of lab animals. Treatment and diagnostics and emergency medicine and supportive care. Course Coordinator - R. Isaza; Grading System - Letter grade.

VEM 5381 Shelter Animal Physical Health – 3 credits. On-Line – This course will help you Construction, critique, and implementation of policies and protocols to protect and enhance the physical health and well-being of sheltered dogs and cats, including recognizing and responding to threats to physical health. Course Coordinator - Dr. C. Crawford; Grading System – Letter grade.

VEM 5384 Veterinary Neurology - 1 credit. Evaluation of the neurologic patient with special emphasis on localization of lesions, formation of a differential diagnosis, development of a diagnostic plan, and recommendation for treatment of common neurologic disorders. The class is based largely on clinical case presentations. Course Coordinator – Dr. S. Carerra-Justiz; Grading System - Letter grade.

VEM 5387 Veterinary Dermatology - 1 credit. Clinical signs, diagnosis and treatment of diseases of the skin of domestic animals. Course Coordinator – Dr. R. Marsella; Grading System - Letter grade.

VEM 5388 Small Animal Dermatology – 2 credits. he goals of this course are to provide advanced knowledge on how to logically and systematically approach small animal dermatological diseases with particular emphasis on problem based approach. Course Coordinator – Dr. R. Marsella; Grading System – Letter grade

VEM 5402 Fundamentals of Soft Tissue Surgery - 2 credits. Fundamentals of aseptic technique, basic surgical techniques, wound healing and surgical management of disease. Surgical procedures for organ systems of domestic small animals. Course Coordinator - Dr. A. Morton and Dr. G. Ellison; Grading System - Letter grade.

VEM 5432 Advanced Small Animal Surgery - 3 credits. Problem oriented topics and mini-lectures in small animal soft tissue surgery including skin, oral cavity, nasal/mandible, esophagus, head/neck, intestine, thoracic cavity, urinary tract, liver/spleen; handling chest and abdominal trauma, reconstruction, and neoplasms. Basic and advanced principles and techniques of skeletal fixation, complications, and reconstructive techniques of orthopedic surgery for small animals. Course Coordinator - Dr. D. Lewis; Grading System - Letter grade.

VEM 5433 Small Animal Surgery Laboratory - 1 credit. This course will expand upon the knowledge attained in VEM5432 and give a better understanding of various problems and surgical techniques discussed in VEM5432. Course Coordinator - Dr. S. Kim; Grading System - Letter grade.

VEM 5440 Fundamentals of Orthopedic Surgery - 1 credit. Basic orthopedic techniques and principles. Course Coordinator - Dr. D. Lewis; Grading System - Letter grade.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>VEM 5741</td>
<td>Core Small Animal Medicine Clerkship</td>
<td>4</td>
<td>Clinical experience in medicine of canine and feline species. History taking, physical examination and management of hospital patients and out patients. Course Coordinator - Dr. A. Specht; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5743</td>
<td>Core Outpatient Medicine and Dentistry Clerkship</td>
<td>2</td>
<td>Clinical skills, basic knowledge and client communication skills are designed to teach students while providing routine veterinary care to clientele. Encompassing not only preventive medicine wellness but also comprehensive care for minor illness and injuries. Course Coordinator - Dr. A. Stone; Grading System - Letter grade.</td>
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<tr>
<td>VEM 5745</td>
<td>Core Small Animal Surgery Clerkship</td>
<td>4</td>
<td>Clinical experience in surgery of canine and feline species. History taking, physical examination and pre- and post-operative management of hospital patients and out patients. Course Coordinator - Dr. G. Ellisson; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5783</td>
<td>Core Radiology Clerkship</td>
<td>2</td>
<td>Clinical experience in exposure, development and reading of x-ray films. Clinical material, hospital patients and out patients are utilized for teaching the fundamentals of radiographic diagnosis. Course Coordinator - Dr. R. Giglio; Grading System - Letter grade.</td>
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<tr>
<td>VEM 5841</td>
<td>Advanced Small Animal Medicine Clerkship</td>
<td>2</td>
<td>Clinical experience in medicine of canine and feline species. History taking, physical examination and management of hospital patients and out patients. Course Coordinator – Dr. A. Specht; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5843</td>
<td>Advanced Outpatient Medicine and Dentistry Clerkship</td>
<td>2</td>
<td>Clinical skills, basic knowledge and client communication skills are designed to teach students while providing routine veterinary care to clientele. Encompassing not only preventive medicine wellness but also comprehensive care for minor illness and injuries. Course Coordinator - Dr. A. Stone; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5845</td>
<td>Advanced Small Animal Surgery Clerkship</td>
<td>2</td>
<td>Clinical experience in surgery of canine and feline species. History taking, physical examination and pre- and post-operative management of hospital patients and out patients. Course Coordinator - Dr. G. Ellisson; Grading System - Letter grade.</td>
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<tr>
<td>VEM 5846</td>
<td>Small Animal Practice Based Clerkship</td>
<td>2</td>
<td>The purpose of this course is to provide students with in-clinic primary care experience treating small animals (dogs, cats, and small exotics if treated by the practice), emphasizing physical examination, diagnosis, treatment, routine surgery and practice management. Course Coordinator – Dr. W. Mandese; Grading System – Satisfactory/Unsatisfactory Assessment.</td>
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<tr>
<td>VEM 5847</td>
<td>Veterinary Emergency Critical Care Clinical Clerkship</td>
<td>2</td>
<td>The purpose of this course is to introduce the students to the emergency cases received on the triage service and to the critical care cases in our small animal ICU. The caseload will dictate the actual diseases that are seen clinically and therefore case based teaching will focus on emergency procedures, emergency treatment of the triage cases and also on the ICU case load. Each student will get critical ICU cases assigned and is expected to follow these cases through their rotation. Course Coordinator – Dr. B. Conner; Grading System – Letter grade.</td>
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<tr>
<td>VEM 5848</td>
<td>Veterinary Emergency Critical Care Clinical Clerkship, Ocala, FL</td>
<td>2</td>
<td>The purpose of this course is to introduce the students to the emergency cases received on the triage service and to the critical care cases. The caseload will dictate the actual diseases that are seen clinically and therefore case based teaching will focus on emergency procedures, emergency treatment of the triage cases and also on the ICU case load. Course Coordinator – Dr. B. Conner; Grading System – Letter grade.</td>
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<tr>
<td>VEM 5862</td>
<td>Veterinary Cardiology Clerkship</td>
<td>2</td>
<td>Students will focus on history taking, physical examination, differential diagnosis, clinical diagnosis and treatment of cardiac diseases of dogs, cats and occasionally large animals and exotic species. Course Coordinator – Dr. S. Swift; Grading System - Letter grade.</td>
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<tr>
<td>VEM 5863</td>
<td>Shelter Practice Clerkship</td>
<td>2</td>
<td>Students will learn to care for shelter animals as individuals and as a population via an immersive, hands-on experience in a municipal animal shelter. Course Coordinator - Dr. L. Garcia; Grading System – Letter grade.</td>
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<tr>
<td>VEM 5864</td>
<td>Shelter Animal Sterilization and Population Management Clerkship</td>
<td>2</td>
<td>Students will have hands-on training in the population and individual animal health and welfare practices within a large-sized municipal animal shelter in South Florida. Students will learn about protecting the health and welfare of dogs and cats and be able to recognize and respond to compromised physical and behavioral welfare conditions; understand animal shelter operations and flow through; and develop proficiency in basic diagnostic evaluation procedures and creating shelter appropriate treatment plans. Course Coordinator – Dr. L. Garcia; Grading System - Letter grade.</td>
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<tr>
<td>VEM 5869</td>
<td>Dermatology Clerkship</td>
<td>2</td>
<td>Recognize, define and treat common skin diseases. Course Coordinator - Dr. D. Gram; Grading System - Letter grade.</td>
</tr>
<tr>
<td>VEM 5873</td>
<td>Veterinary Oncology Clerkship</td>
<td>2</td>
<td>This rotation is designed to introduce junior and senior students to clinical Oncology. Students will focus on history taking, physical examination, differential diagnosis, clinical diagnosis and treatment of cancer in dogs, cats and occasionally large animals and exotic species. Course Coordinator – Dr. C. Souza; Grading System - Letter grade.</td>
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</table>
VEM 5875 Advanced Neurology Clerkship - 2 credits. An extension of the core clerkship in neurology. Course Coordinator - Dr. S. Carrera-Justiz; Grading System - Letter grade.

VEM 5877 Ophthalmology Clerkship - 2 credits. Clerkship in small and large animal clinical ophthalmology. Students participate in the diagnosis and treatment of patients presented to the ophthalmology service. Course Coordinator - Dr. C. Plummer; Grading System - Letter grade.

VEM 5880 ICU Critical Care Clerkship – 2 credits. The ICU Focused Critical Care Clerkship Rotation is a 2-week special elective clinical rotation aimed at reinforcing the concepts learned in the 2nd year ECC didactic course (VEM 5251) as well as introducing techniques and procedures needed to manage critical care inpatients. Course Coordinator – Dr. B. Conner; Grading System – Letter grade.

VEM 5883 Advanced Radiology Clerkship - 2 credits. An extension of the clerkship in radiology. Course Coordinator - Dr. R. Giglio; Grading System - Letter grade.

VEM 5884 Elective Ultrasound Clerkship – 2 credits. An advanced clerkship in radiology focusing on abdominal ultrasounds of small animals. Course Coordinator – Dr. E. Porter; Grading System – Letter grade.

VEM 5885 Consultations in Shelter Animal Medicine – 2 credits. This course will help students to develop an understanding and appreciation for the challenges faced by animal shelters. Students will design practical solutions to achieve lifesaving and welfare goals for shelter animals. Course Coordinator – Dr. J. Levy; Grading System – Letter Grade

VEM 5891 Veterinary Community Outreach Clerkship - 2 credits. The main purpose of the elective externship is to give veterinary students the opportunity to work in an animal shelter environment and experience the problem of pet overpopulation first hand. Course Coordinator - Dr. N. Isaza; Grading System - Letter grade.

IV. Educational Information

Class Schedules

Class schedules for all veterinary students are prepared by the Office for Students and Instruction at the beginning of each semester. Because an attempt is made to optimize the use of limited resources and time, a uniform weekly schedule is not always possible. Thus, the distributed schedule includes each day of the semester and indicates the course and room for each period. The most current schedule is always posted online at http://education.vetmed.ufl.edu/dvm-curriculum/schedules-booklist/. Every attempt is made to maintain the initially posted schedule. However, special circumstances due to construction, faculty needs or student issues can lead to a change in the schedule. All faculty and students impacted by the change will be notified via email and if necessary in class (for students). Students are required to check their UF email at least once a day.

Scheduled exams are listed on the distributed schedule. As often as possible, exams will be scheduled during the first instructional period of the day. Laboratory exams require preparation, and they may be scheduled later in the day.

A list of items each student needs to provide for each course is distributed along with each semester schedule. This list includes laboratory supplies, instruments, protective clothing, and textbooks. Texts are listed in two categories:
- Required texts are heavily used in the course and the instructor expects each student to have ready access.
- Recommended texts will often be referred to and are generally felt to have valuable information or viewpoints.

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<tr>
<th>Class Period Times</th>
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<td><strong>Period</strong></td>
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Instructional Materials and Information

The CVM utilizes e-Learning, a centrally supported course management system at the University of Florida. E-Learning provides a secure online system for course content, video lectures, assignments, quizzes, student submissions and assessments, posting grades, and communication among class participants and course coordinator. Lecture material, when captured by classroom Mediasite recorders, is uploaded to individual course e-Learning sites and can be viewed online. E-Learning also supports researchers, staff, and students who can create Project Sites for collaboration, document management, and communication. A GatorLink account is required to access e-Learning and the preferred browser for this system is Chrome. Contact the UF help desk if there is trouble accessing the e-Learning site (352-392-4357).

The majority of exams are administered electronically via ExamSoft. This software works with the students own laptops and iPads, and desktop computers within the computer lab. Instructors are able to generate performance data and exam history to make data-based decisions when designing and reviewing exams. Specific learning objectives can be tracked, ultimately allowing students and faculty to achieve desired learning objectives. While ExamSoft is utilized for the majority of the didactic curriculum, some courses require practical examinations or use of specialized software to assess student comprehension.

Students with Accommodations

Students who are seeking classroom or testing accommodations must contact the UF Disability Resource Center (http://www.dso.ufl.edu/drc/ 352-392-8565) for an assessment and to obtain a letter of accommodation. The DRC is located on the main UF campus. OSI works closely with the DRC to ensure student accommodations are met in the classroom and during exams. Melissa Cox in OSI assists in coordinating exams and meeting recommended disability-related requirements for students with accommodations (melissacox@ufl.edu).

With proper documentations, the DRC is able to assist students in receiving accommodations such as extended time for exams, low distraction environment, test reader or scribe and note-taking services.

Process for requesting accommodations:
- A student who believes they need accommodations should contact the DRC and request a meeting.
- The DRC will determine the accommodations appropriate for the student and generate a letter for the semester, stating the specific accommodations required. A Learning Specialist will be assigned to the student requiring accommodations.
- The student must provide the letter of accommodations to Melissa Cox in OSI. It is important to note that DRC-recommended accommodations are provided on a semester-by-semester basis and must be renewed prior to each semester. Updated letters must be provided to OSI as soon as they are available.

Once accommodations are established:
- After the DRC has documented that accommodations are required, and Melissa Cox in OSI has received the letter from the student, arrangements will be made for the semester.
  - The student will meet with Melissa Cox at the beginning of each semester (Fall and Spring) to discuss classroom needs and review the exam schedule.
  - Exams will be arranged either on the CVM campus or at the DRC testing center.
    - Student preference, make-up exam policy (below) and specific accommodation requirements will dictate which location is appropriate.
    - Students who plan to complete their exams at the DRC will complete the Accommodated Test Request form online at the beginning of the semester. OSI will work with instructors and the DRC to ensure students are able to complete their exams as scheduled.
The University of Florida’s College of Veterinary Medicine Student Handbook

- Practical examinations, including those taking place within a laboratory environment, must occur at CVM and with instructor cooperation.
  - The DRC does not have the ability to host students for lab-based examinations.
  - OSI works closely with instructors to ensure students with accommodations are provided with the appropriate testing environment and time to complete examinations according to their accommodation letter, as outlined by the DRC.
- If a student’s accommodation includes limits on the number of examinations they can take per week, that student will work with the Disability Resource Center to make appropriate arrangements.
- If a student with accommodations must miss a scheduled exam due to illness, emergency, or other extenuating circumstance, the make-up examination will be scheduled at the DRC.
  - Students with accommodations are required to adhere to the Attendance Policy and procedures for requesting absences (see Attendance Policy). If the absence is related to a student’s accommodation, the student is required to provide those details in their absence request form.

The Disability Resource Center offers orientation sessions each semester to help students familiarize themselves with their services and procedures. Students may contact their Learning Specialist within the Disability Resource Center at any time if they have questions.

This policy refers to students with pre-arranged accommodation requests made through the Disability Resource Center. Unexpected accommodations due to a student’s injury, illness or family emergency will be arranged through the Office for Students and Instruction.

Student Learning Outcomes (SLOs)

The College has established a list of Student Learning Outcomes (SLOs) for both preclinical work and clinical work. Student Learning Outcomes are statements that represent what a student will know and be able to do as a result of completing an educational program. The preclinical SLOs reflect the core body of knowledge that you should master before completing clinics. The clinical SLOs represent the ability to remember, understand, apply, analyze and put all elements of the curriculum together to be ready to begin as a practice-ready veterinarian. Both parts of our program are essential to becoming a competent veterinarian. Each of our established College SLOs are matched to a competency requirement established by the American Veterinary Medical Association.

Example of SLOs:
- Correctly interpret a thoracic radiograph- Multispecies Knowledge and Clinical Competency in One or More Species or Disciplines (AVMA competency)
- Develop an analgesic plan for non-surgical pain – Anesthesia and Pain Management (AVMA Competency)
- Correctly perform closure of a surgical wound any species- Basic Surgery Skills (AVMA competency)

The College SLOs do not include the highly specialized skills mastered by years of practice or by veterinarians or other educators that are experts in their field. The college set of SLOs established for the Class of 2019 can be found here (for clinical SLOs) and (for didactic SLOs) in the curriculum map (http://education.vetmed.ufl.edu/student-services/curriculum-map/) under the information section for each course and clerkship. Students are required to submit clinical SLOs for approval electronically via the Curriculum Map. Submission of completed SLOs for approval will begin in the Supervised Patient Care and Clinical Skills Course series that begin in the first semester of year one. Approved completed SLOs will be tracked in each student’s Educational Portfolio in the Curriculum Map.

SLOs may change for each incoming class as the curriculum is continually evolving to meet the needs of the profession. However, each class will only be held to the set of SLOs established as the class entered the program. The class of 2019 is the first class to be held responsible for completing the list of SLOs. Earning a passing mark in any of the didactic courses will lead to completion of the SLOs for that particular course. The completion of SLOs
for clinical clerkships must be measured directly while participating in clinics. Students are required to submit a request for approval of SLOs to the appropriate instructor for approval while on clerkships.

**Classroom and Responsibilities**

Much of the instruction that makes up the professional curriculum is conducted in our lecture halls and laboratories. It is the responsibility of the students, as well as the instructor, to ensure that the environment for learning is as close to optimal as possible. Conduct that interferes with the opportunity of other students to hear or view a presentation cannot be tolerated. Instructors have the authority to remove offending students from the classroom or lab. Students should work together to ensure that no students disrupt the class. Students must also be aware that they are not permitted to bring personal pets into the lecture room theater or laboratory classroom. We make every effort to lecture capture and post recordings on classroom e-Learning sites when permitted by the instructor. It is important to remember that the Honor Code forbids any form of recording of instructors unless there is permission given by the instructor. Failure to respect recording and instructor consent rules may lead to forfeiture of lecture capture efforts by the college.

**Course Registration**

Students are required to register for all didactic courses and clerkships. Information will be sent with instructions, course and section number and pertinent deadlines. Students are responsible for registering themselves for the appropriate courses through the One.UF website (http://one.uf.edu) once information has been distributed. Deadlines for registration will be sent along with instructions and course details. Registering after the registration deadline will result in a late fee assessed by the Registrar’s Office.

**Attendance Policy**

Attendance should be the students’ highest priority and, in general, permission to make up missed work will be granted only for excused absences (details below). Whenever a student has an excused absence, either urgent/unplanned or planned absences, the faculty member may choose to provide the original or a different make-up assessment, laboratory experience, or in-class graded learning experience.

**Classroom Attendance**

Attendance in all scheduled lectures and laboratories is expected. Students are responsible for all material and assignments from all scheduled activities. Instructors have the authority to administer unannounced examinations during lectures or laboratories, assess and record individual student attendance at any time and may also define a more strict attendance policy for their course as they deem appropriate. The policy must be specified in the course syllabus published at the beginning of the course.

**Clinical Rotation Attendance**

Students are expected to attend and satisfactorily complete all clerkship responsibilities. Any absence during a clerkship needs to be reported by the student to their clerkship Service Chief and Associate Dean (details below). Should a student miss a half or full clerkship day, the student may be issued an incomplete grade and be asked to return to the clerkship to complete the missed clinical education; service chiefs have the flexibility to issue a grade to these students should they feel the student has demonstrated acceptable clinical competence. Students who miss more than one day during a two-week clerkship will receive an incomplete grade, and the clerkship grade and university credit will not be issued until the student has satisfactorily completed the equivalent time missed. Special protocol is in place for senior students requiring time off from clinics for employment interviews. Please see details and instructions below.

Typical Excused Absences may fall under the following categories:

- **Unplanned/Urgent absences** include illness, family emergency or death in the family. The student should follow the procedures below for reporting the absence (below). The student is responsible for communicating with the course coordinator to determine how the missed work is to be made up.

- **Planned absences** include medical/dental appointments, attendance at scientific meetings where the student is making a scholarly presentation, receiving an individual award, or is representing the College in an
approved official capacity (e.g., president of SCAVMA, SAVMA delegate, national president of a national organization). Adequate documentation of the student’s role must be provided, and the student must submit a written request to the Director for Student Affairs at least 4 weeks before the planned absence following the procedure in Planned Absences below. Students should not schedule travel without prior approval from the Director for Student Affairs, and incurred travel expenses do not in themselves warrant an excused absence. In addition, it is the student’s responsibility to communicate with the course coordinator(s) prior to a planned absence in order to determine how the missed work will be made up.

Absences that do not fall into the categories discussed above will be considered on a case-by-case. The student should discuss the absence with the Director for Student Affairs at least 4 weeks before the planned absence. The Director for Student Affairs will discuss the absence with the relevant course coordinators and a final decision of an excused absence or unexcused absence will be determined.

Individual faculty members may be less restrictive in their application of the guidelines described in Planned absences, but may not be more.

Procedure for Reporting Absences

For all absences that affect a graded experience or opportunity, students should complete and submit the Absence Request Form for each graded opportunity that was or will be missed. The form will be reviewed by the Director for Student Affairs or their designee and the student will be notified of the decision to approve or disapprove the absence within 2 business days. The course coordinator(s) will be notified of the decision and, if approved, it is the student’s responsibility to work with OSI to schedule any make-ups.

- For Unplanned Absences, students should complete and submit the Absence Request Form prior to the absence, if possible, or as soon as possible thereafter. If the student is unable to complete the form, please contact the Office of Students and Instruction (OSI), which can help to notify the course coordinator of the unplanned absence.

- For Planned Absences, it is recommended that students discuss the planned absence with the Director for Student Affairs to make sure the absence meets the criteria for absence. Students are advised to contact the Director for Student Affairs as well as the coordinator(s) of any course(s) that will be impacted by the planned absence as early as possible, but no less than 4 weeks prior to the planned absence. Documentation may be required to substantiate the request. In general, attendance at scientific/CE meetings will not be considered an approved absence in the first 2 years of the curriculum, unless the student is presenting, receiving an award, or representing the UFCVM in an official capacity as a club president/officer/etc.

Senior Students Requesting Time Off for Job Interviews

Students should use their vacation block for job interviews. If that time will not work, they have the following options: Students will be given a maximum of 5 business days (Monday- Friday) to interview during the spring semester. These days will be considered excused absences and will not need to be made up, as long as the below rules are honored.

- Only 1 job interview day is allowed per clerkship block (2 weeks).
- Students must discuss in advance with the Service Chief the dates requested before accepting the interview.
- Complete the Absence Request Form. A record will be maintained for each student to track the number of interview days used.
- Students may request to be excused on a weekend to travel to an interview. For example, they may request Sunday and Monday. The decision to miss Sunday would be determined by the Service Chief. If a student requests to miss a weekend day, they should make arrangements to swap all emergency and treatment obligations with their classmates.
- Students may request a maximum of 3 weekdays in a row to travel to a long distance interview. They will have to make up the 2 days. This time can be made up during a vacation block or during the 5 days between the end of clinics and graduation in May.
- The maximum number of days a student can make up is limited to 5.
Evaluation of Courses and Instruction

Students are encouraged to take the responsibility of evaluation seriously, and they are expected to consistently give it their best effort. Only with complete participation can the evaluations have the impact necessary to bring about improvements. Evaluations will be performed near the end of the course or clerkship. Students will be informed when the web based evaluation window opens and closes. Student evaluation of courses and instruction provides basic information which is used for three different functions:

- First and foremost, this information is feedback to the instructors in order to assist them in meeting the needs of the students. Just as exams provide necessary feedback in determining student progress and thus the success of the instruction, student opinions can assist in tailoring the course and instruction to the greatest need.

- The second use of evaluation is in monitoring the curriculum. Students are the only ones to experience and view the entire professional curriculum. The students’ input is often the stimulus for further review by department chairs or the Curriculum Committee. Although the judgment of the students must be evaluated in the context of the whole curriculum, a view that they may not yet have, it is still a unique and valuable form of feedback.

- The third use of the evaluations is the mandated consideration of student evaluation of instruction as it relates to promotion, tenure, and salary decisions. Faculty evaluation is primarily the responsibility of the department chair, but participation in an evaluation by all the students has considerable impact.

Evaluation of Faculty Didactic Teaching Efforts

Each instructor involved in didactic teaching efforts is evaluated electronically by the students in the course of his or her major involvement as determined by the department chair. The following 14 points are addressed by the evaluation and the mean ± the standard deviation of the responses to questions 1-7 and 10 are made open to the public online at https://evaluations.ufl.edu/results/ and can be searched by course number or instructor’s last name.

Student responses to each question are limited to: poor, below average, average, above average, or excellent.

1. Description of course objectives and assignments
2. Communication of ideas and information
3. Expression of expectations for performance in this class
4. Availability to assist student in or out of class
5. Respect and concern for students
6. Stimulation of interest in course
7. Facilitation of learning
8. Enthusiasm for the subject
9. Encouragement of independent, creative, and critical thinking
10. Overall rating of instructor
11. Presents material in a logical and organized manner
12. Emphasizes the practical application of subject matter where possible
13. Uses visual and audiovisual illustrations appropriately and effectively
14. Handout material is a useful aid to learning

Comments are also solicited from students with respect to the instructor’s personal qualities or teaching skills, which contributed to or hindered the success of the course. In addition, comments are requested to determine the students’ overall opinions regarding the course and any printed or electronic materials associated with the course.

Evaluation of Faculty Clinical Teaching Efforts

Faculty teaching efforts in clinical clerkships are also evaluated. Students evaluate the clinical faculty member(s) with whom there was major clinical involvement for each clerkship. The evaluation questions are similar to those used in didactic teaching evaluation, but they do vary slightly. Listed below are the 16 questions used in the
evaluation process. Once again, the standard deviation of the responses to questions 1-7 and 10 are made available to the public.

Again, student responses are limited to: poor, below average, average, above average, or excellent.

1. Description of course objectives and assignments
2. Communication of ideas and information
3. Expression of expectations for performance in this class
4. Availability to assist students in or out of class
5. Respect and concern for students
6. Stimulation of interest in course
7. Facilitation of learning
8. Enthusiasm for the subject
9. Encouragement of independent, creative, and critical thinking
10. Overall rating of instructor
11. Provides direction and feedback
12. Actively involves students
13. Discusses current developments and divergent points of view
14. Directs students to useful literature, objectively defines and synthesizes patient problems
15. Establishes rapport with and treats with respect students, other faculty members, animals, and clients
16. Shows interest in and/or exhibits a positive attitude about students’ professional performance

Students are asked to comment on each clinical instructor's personal qualities or teaching skills which contributed to, or hindered, the success of the student in the clinics. In addition, comments are requested to determine the students’ overall opinions regarding their clinical experience.

Grades

Grades provide essential feedback to students on their performance in a course. All courses and clerkships are given letter grades except those listed as pass/fail (S/U). The letter grades and corresponding grade points are as follows:

- A  4.00
- A- 3.67
- B+ 3.33
- B  3.00
- B- 2.67
- C+ 2.33
- C  2.00
- C- 1.67
- D+ 1.33
- D  1.00
- D- 0.67
- E  0.00

All course instructors will provide their own course-specific syllabus and grading scale within their e-Learning site. Please view the course e-Learning site for the most up-to-date grading scale, instructor information and/or class schedules. Grades are assigned only by course coordinators. It is their responsibility to assign a grade that reflects the student's performance on all assigned tasks. There is no college standard for equating test scores to letter grades, so each coordinator is strongly encouraged to set a standard of performance for the course and to grade in comparison to that standard.

Incomplete grades (I) are given when course requirements have not been completed due to absence, illness, etc. The "I" automatically converts to "E" if the requirements are not completed by the conclusion of the subsequent semester.

Grade point averages are computed using only grades from letter graded courses (see Academic Advancement Section for GPA requirements). Meaning, S/U grades are not computed into GPAs. An S is deemed satisfactory performance and a U is unsatisfactory and recorded as a failing grade. Courses with a grade of S will count as successful completion of the course and credit earned in a degree program. Such grades are included in the student’s permanent academic record and are reflected on the transcript.
Clerkship grades are assigned as a result of consultation with all faculty and house officers that supervised a student during the clerkship. Each clerkship has its own evaluation form that addresses the unique aspects of the clerkship such as Patient Management, Medical Records, Differential Diagnosis, and Technical Skills as well as calculates in categories of Readiness to Practice and Attitude, Effort and Professionalism. Clerkship grades are inherently subjective. Students are encouraged to request a progress report halfway through each clerkship in order to assess their progress. Documentation of Student Learning Outcomes (SLOs) in the Curriculum Map is required for each clerkship. Failure to document a reasonable representation of efforts by the student by submitting SLOs for approval can lead to withholding of grades or Unsatisfactory marks in the areas of Effort and Professionalism.

If a student believes their grade is incorrect, there are three steps that they may follow:

1. The student must collect the necessary information to demonstrate the error. They cannot depend merely upon recollection of a situation.
2. The student needs to discuss the situation directly with the instructor involved. Only the coordinator or service chief can change a grade. If satisfaction cannot be attained from the instructor, the student should confer with others responsible for the course. The usual order of responsibility is:
   a. Instructor
   b. Course Coordinator (if different than the instructor)
   c. Department Chairperson
3. If the student has spoken with each of the people responsible for their course, the Dean of Students may be consulted with documentation of the response at each level.

**Graduating with Honors**

The College of Veterinary Medicine offers two levels of honors at graduation: cum laude and magna cum laude. The following information is provided as a guide. Students should check with their advisor or the staff at the Office for Students and Instruction for complete details.

- GPA value is determined to the hundredths place and cannot be rounded (e.g., 3.495 = 3.49)
- Official honors designation is indicated on the university diploma and transcript
- To receive honors distinction, students in the classes of 2018, 2019 and 2020 must complete VEM 5991 Individualized Investigation and present their research findings in an appropriate forum such as Phi Zeta Day, Research Emphasis Day, AABP or SFAT, etc. Students in the concurrent DVM/MPH program (CD) are exempt from VEM 5991 for honors credit. CD students will be eligible for honors as long as they meet the required overall GPA
- Students in the class of 2021 and thereafter will no longer be required to complete VEM 5991 for honors distinction. It will be determined by GPA requirements alone, as described below.
- Cum laude distinction will be given to students with an overall GPA between 3.50 and 3.74
- Magna cum laude distinction will be given to students with an overall GPA of 3.75 or above

**Testing**

Testing is an integral part of the education process as it provides the necessary feedback on student accomplishment and on the effectiveness of the teaching. Each course coordinator is responsible for designing tests and for scheduling them at times appropriate to the course sequence. The Office for Students and Instruction coordinates scheduling of exams. As often as possible, exams are scheduled in blocks or exam weeks while other coursework is not occurring.

The majority of exams are administered electronically via ExamSoft. This software works with the students own laptops and iPads, and desktop computers within the computer lab. Instructors are able to generate performance data and exam history to make data-based decisions when designing and reviewing exams. Specific learning objectives can be tracked, ultimately allowing students and faculty to achieve desired learning objectives. While ExamSoft is utilized for the majority of the didactic curriculum, some courses require practical examinations or use of specialized software to assess student comprehension. Instructors are free to choose the type of test that best fits their course and approach to teaching.
Exam Policy

In order to provide a secure and fair testing environment, the following rules will be enforced. These guidelines are meant to ensure exam security, maintain balanced expectations of all students, and encourage professional conduct while testing. Students with testing accommodations will be expected to adhere to the policies below, unless their accommodations specify otherwise.

- **Before** taking their seats, each student is required to place their belongings in their hall lockers or in the designated area within the testing space (cubbies in the Computer Lab, along the wall in Lecture Halls).
- Students are to enter the testing space with their laptops closed and iPads face down. Devices should stay closed/facing down until the proctor begins the exam.
  - It is the student’s responsibility to download the exam and have Examplify opened *prior* to entering the room. Report known technical issues to the proctor *before* the student takes their seat.
- While testing, students should only have their testing device at their station. Students are not permitted to have access to items including, but not limited to, phones, smart watches, notes (unless specified by course instructor), headphones, device covers or cases.
- Once a student leaves the testing space, the student will not be allowed to re-enter.
- One 5-minute restroom break will be allowed after every 2 hours of testing.*
  - For exams exceeding 2 hours, students will be permitted to re-enter the testing space after taking the allowed 5-minute restroom break.
- Students may not enter the testing space 10 minutes after the exam begins.
  - Exam schedules are available at the beginning of the semester. Students should plan to arrive at CVM early in order to ensure parking and arrival at the testing site prior to the start of the exam.
- Once a student completes an exam and exits the testing space, no student may re-enter the room.
- Food is not permitted during exams. Drinks in opaque (non-transparent) containers are allowed.*

* Students who have a medical need to access food, drinks or bathroom breaks during exams should register with the DRC and coordinate with OSI upon receiving accommodations.

Drop, Add and Withdrawal Processes

Dropping and Adding Courses
The drop/add time period is designated as the first week of classes in each semester. During this time, students are able to adjust their schedule in One.UF without penalty. After the drop/add period is over, adjustments will not be made unless there are extenuating circumstances which are reviewed in a meeting with the Dean of Students.

A student may not add a course to their schedule after the drop/add period has passed; this includes changing from enrollment in a course to auditing or sitting in on a course without enrolling and then later requesting enrollment. The student schedule is considered complete after the drop/add time period closes. If a student experiences circumstances that result in the need to drop a single course after the drop/add time period, a meeting with the Dean for Students is required and the adjustment to the schedule will result in fee liability and remarks on the official student transcript.

Withdrawing
There are instances where a student may feel that it is necessary to suspend participation in the DVM program. Students who wish to withdraw must take the proper steps according to their individual situation so that the process may be handled appropriately.

- Withdrawing from individual courses
  Students wishing to withdraw from an individual course must consider the type of course in which they are enrolled. All courses for Phase I and II are required for continuation to the next step of the DVM program; therefore withdrawal from one course in this part of the curriculum is not allowed. Please meet with the Dean of Students, or your academic advisor, if you are having trouble in your courses. Phase III course withdrawal may be considered on a case-by-case basis. Generally, withdrawal from an individual course will only be granted because of extenuating circumstances and must be discussed with the Dean of Students.
Be aware, these instructions below are for students wishing to withdraw completely from the curriculum; if the student wishes to withdraw from an individual course, please see instructions above.

- **Withdrawing for Medical Reasons (full semester withdrawal):**
  If the withdrawal is due to medical or psychological issues, personal or family crisis (including family illness or death), please contact the Dean of Student’s Office for instructions in completing a Medical Withdrawal. The Dean of Students may be contacted at 352-392-1261, and is located on the main campus at 202 Peabody Hall. Appropriate documentation is required in order for the petition to go before the committee for review. Proper documentation and committee approval may result in tuition refund for the student and a “withdrawal remark” will be placed on the student record, indicating that the student was granted permission to withdrawal by the proper authorities.

- **Withdrawing for Non-Medical Reasons (full semester withdrawal):**
  If the withdrawal is due to non-medical reasons, please contact the Office of the University Registrar for instructions on completing the withdrawal process. The Registrar's Office may be contacted at 352-392-1374, and is located on the main campus at 222 Criser Hall. The student must withdraw themselves from all currently enrolled courses in One.UF and complete a petition packet that will be reviewed by the petition committee in order to request the return of tuition funds.

The process of withdrawing may be the right choice for some students, but it is a decision that should not be taken lightly. Once the process is complete, it cannot be undone. Be sure to meet with your academic advisor and the Associate Dean of Students at the College of Vet Medicine, before making your decision.

Additional literature on the process of withdrawing can be found here:
- [http://www.registrar.ufl.edu/currents/withdraw.html](http://www.registrar.ufl.edu/currents/withdraw.html)
- [https://www.dso.ufl.edu/care/medical-withdrawal-process/](https://www.dso.ufl.edu/care/medical-withdrawal-process/)

v. **Certificate Programs**

**Certificate in Aquatic Animal Medicine**

The University of Florida has a very active aquatic animal health program that is a collaborative effort between the College of Veterinary Medicine, the Whitney Laboratory for Marine Bioscience, the Program in Fisheries and Aquatic Sciences (School of Forest Resources and Conservation, College of Agriculture and Life Sciences) and the Biology Department (College of Liberal Arts and Sciences). Partnerships with federal and state agencies, and other public and private aquatic institutions throughout the state further enhance the scope of the program, including USDA-APHIS-Veterinary Services, the Florida Fish and Wildlife Research Institute, Disney’s Animal Kingdom, SeaWorld, the Florida Aquarium, and commercial aquaculture facilities, just to name a few. Florida’s unique and diverse ecosystems, and broad academic programs, create a unique opportunity for veterinary students to receive specialized and directed training within the veterinary curriculum. The purpose of this certificate program is to identify and recognize veterinary students with an interest in aquatic animal health and provide guidance to them during their veterinary studies to help them develop a knowledge base in this specialty.

Aquatic animal medicine is a rapidly expanding specialty of veterinary medicine within the American College of Zoological Medicine (ACZM). Aquatic animal medicine emerged as a veterinary discipline in 1968 when the International Association for Aquatic Animal Medicine had its organizational meeting in Menlo Park, California. Since then the discipline has expanded considerably and today includes aspects of food supply veterinary medicine through aquaculture practice, zoological medicine with aquatic display animals, companion animal and wildlife medicine. Some training in aquatic animal medicine has been available to veterinary students at the University of Florida since the College of Veterinary Medicine accepted its first class in 1976. The program has experienced significant growth since 2000 when programs in marine mammal health, aquaculture and fish health were merged into a comprehensive aquatic animal health program. The certificate program described here is a broad educational program that gives veterinary students a unique opportunity to nurture their interest in this exciting and diverse field. This certificate program is the first of its kind and faculty members are anxious to work with motivated students to help them meet their career goals.
The University of Florida's College of Veterinary Medicine Student Handbook

Descriptions of Core Courses:

Faculty. An example template for completing course work is provided below. 

Externship (VEM 5892, 2 credit hours) and is offered each fall and spring semester. In addition to this core course work, students will be expected to complete an externship. Warmwater Fish, will also be accepted the summer prior to entering the veterinary curriculum. Topics in Aquatic Animal Health is required as part of the core curriculum to cover critical evaluation and review of scientific literature within the field of aquatic animal medicine. Students who successfully complete this program will receive a certificate that documents their concentrated training in aquatic animal medicine during their DVM curriculum. This certificate will identify the newly graduated veterinarian as an employment prospect for an entry level position in aquaculture, or a veterinary practitioner able to provide basic medical care to aquatic animals as part of a companion animal practice. Post-DVM training may include continued graduate education working towards a Masters or PhD degree, internships, residencies or specialized clinical training in zoological medicine. Guidance from faculty can help veterinary students clarify career goals and pursue appropriate paths to achieve these goals.

The successful student in this program will be required to complete a total of 15 credits, which includes 9 credit hours of a core curriculum in aquatic animal medicine: Diseases of Warmwater Fish (VEM 5374, 3 credit hours), Sea Vet Clinical Training (VME 5378, 3 credit hours), Topics in Aquatic Animal Health (VEM 5931, 1 credit hour) and an externship (VEM 5892, 2 credit hours) or research project (VEM 5991, 2 credit hours) approved by program faculty. In addition, the student must complete 6 credit hours from a list of elective courses (included below). The student will be assigned a mentor from the aquatic animal health program faculty who will work with the student to select the elective courses most appropriate given the student’s interests and career goals. Students who enter the veterinary program with undergraduate or graduate course work relevant to aquatic animal medicine may petition the faculty education committee within the program for up to 4 credits towards their certificate from some of their previous work. They may do so by submitting a formal letter to our program education committee, describing in detail the related work, any supporting information or letters of support, how it pertains to aquatic animal medicine and why these credits are needed to supplement course credits currently available through the program.

To participate in the aquatic animal medicine certificate program veterinary students must be in good academic standing and maintain a 3.0 GPA in the veterinary curriculum. If a student falls below a 3.0 GPA, his or her ability to participate in this program will be curtailed until the period of academic probation has been completed in a satisfactory manner. Applications for admission to the certificate program will be accepted no earlier than the spring semester of your freshman year in vet school, once fall grades of the previous semester have been released. Program applications can be found on our web page: http://aquatic.vetmed.ufl.edu/education/programs/aah-certificate/. You will also need to fill out the application on the UF applications site: http://www.admissions.ufl.edu/apply/more. Go down the page until you see the Certificate options and choose “For currently enrolled UF students, apply here”. Follow the prompts to fill out information. This will put you into the UF ISIS system.

The Core Curriculum in Aquatic Animal Medicine

The core curriculum consists of entry level courses in fish and marine mammal medicine. These are Diseases of Warmwater Fish (VEM 5374, 3 credit hours) offered online during the summer C term and Sea Vet Clinical Training (VEM 5378, 3 credit hours) offered during the summer each year. Students who enter the College of Veterinary Medicine as freshman in the fall will be able to take these courses at the end of their freshman year. Online courses, such as Diseases of Warmwater Fish, will also be accepted the summer prior to entering the veterinary curriculum. Topics in Aquatic Animal Health is required as part of the core curriculum to cover critical evaluation and review of scientific literature within the field and is offered each fall and spring semester. In addition to this core course work, students will be expected to complete an externship (VEM 5892, 2 credit hours) or research project (VEM 5991, 2 credit hours) approved by the aquatic animal health faculty. An example template for completing course work is provided below.

Descriptions of Core Courses:

- **Diseases of Warmwater Fish** (VEM 5374, 3 credit, letter grade) to be offered summer C, *fully online and asynchronous*. Diagnosis and management of diseases of warmwater fish. Emphasis on ornamental and display fish production with consideration of food and game fish, and fish health management within public aquaria. The course is intended for students in veterinary medicine and related disciplines as well as graduate veterinarians, aquaculturists, professional biologists and aquarists. It is excellent preparation for the American College of Zoological Medicine Day 1 examination in aquatic animal medicine. (*Note, a separate hands-on lab component may be offered for an additional 1 credit in the summer)*

- **SeaVet Clinical Training** (VEM 5378, 3 credit, pass/fail; additional lab fees apply) offered in summer, this is a training program in marine mammal science and medicine. The curriculum will emphasize species native to Florida such as the manatee and small cetaceans. A segment on sea turtles, fish and sharks will also be included. The course is intended to serve as an introduction to aquatic animal medicine and husbandry, clinical techniques, and stranded animal management. Common health concerns of both free-ranging and captive populations will be discussed with emphasis on management and disease prevention. The course is intended for veterinary students and veterinarians with an interest in marine mammal medicine.

The University of Florida's College of Veterinary Medicine Student Handbook
• **Topics in Aquatic Animal Health** (VEM 5931, 1 credit, pass/fail; **max 3 credits**) Spring and fall semesters, one hour a week, 15 weeks. Presentation/discussion by students of selected articles relating to aquatic animal health, including both vertebrates and invertebrates; plus a monthly one hour seminar.

**Students must choose ONE of the following to complete the core curriculum:**

- **Individualized Investigation** (VEM 5991, 2 credit, letter grade) Students individually prepare an oral and written report on an aquatic animal health related research or clinical topic.
- **Externships** (VEM 5892, 2 credit, Pass/Fail; **max 6 credits**) Students spend two weeks in a clinical or biomedical research experience at an approved aquatic animal facility.

Note that completing a research project (VEM 5991), publishing it and presenting it at a scientific meeting is **STRONGLY RECOMMENDED** for those students who may want to pursue a career in the zoo and public aquarium industry. The best time to do this work is during the first summer between freshman and sophomore year.

**Certificate Time Line:**

There is plenty of flexibility in how the requirements can be fulfilled throughout the four years. The table below is just an example. It is not recommended to take any electives during your classes freshman year or more than 1 credit during classes sophomore year. The best time to take externships is from junior spring semester through senior fall semester.

**Example Time-Line for Students Entering the Veterinary Curriculum in Fall Freshman Year:**

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<tr>
<td>IAAAM conference</td>
<td></td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>14</td>
<td>15</td>
<td></td>
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</tr>
</tbody>
</table>

*Note – Fr = Freshman, So = Sophomore, Jr = Junior, Sr = Senior, F = Fall, Sp = Spring, and Sm = Summer.*

**Elective Classes in Aquatic Animal Medicine**

A broad range of elective course work is available from within the College of Veterinary Medicine as well as from other units on campus. The student and his or her mentor should work together to identify elective classes that are consistent with the student’s interests and career goals. A list of potential elective courses is provided below. Approval of aquatic animal health program faculty may be sought for relevant courses not on this list.

**PROFESSIONAL LEVEL** (on campus)
Through the College of Veterinary Medicine we offer: the courses listed below as well as some new ones that are currently under development. Veterinary students would not normally be required to pay additional tuition to participate in these courses.

- **Marine Mammal Medicine** (VEM 5377, 1 credit, pass/fail) Fall of Senior year, to educate students in the basic science, husbandry, medicine and surgery of marine mammals. To understand the classification of mammals, special husbandry issues and management of species including medicine surgery and anesthesia. Course coordinator – Dr. Mike Walsh.

**PROFESSIONAL LEVEL:** (off campus)

- **Externships** (VEM 5892, 2 credit, Pass/Fail; **max 6 certificate credits**) Students spend 2-6 weeks at an approved aquatic animal facility. A list of approved externships is available on the College of Veterinary Medicine web site. Approval of aquatic animal health faculty is required for the externship to count towards the certificate, and for students to apply for financial support from the aquatic animal health faculty.

- **Aquatic Animal Conservation Issues** (VEM 5371, 2 credit, letter grade, $50/cr DL fee) - to be offered Fall semester annually, *all on-line, asynchronous.* The goals of this course are to introduce students to some of the controversial issues surrounding the conservation of aquatic animal species ranging from invertebrates to marine mammals, with some emphasis on marine mammals, but including sea turtles, fisheries and marine ecosystems. Format includes heavy reading, discussion, homework assignments, and review of a journal articles.

- **Aquatic Wildlife Health Issues** (VEM 5372, 2 credit, letter grade, $50/cr DL fee) – to be offered Spring term annually, *all on-line, asynchronous.* This course will introduce veterinary students to natural history, anatomy, physiology, behavior and health issues of aquatic wildlife, such as: marine mammals, sea turtles, crocodilians, fish and invertebrates. Students should be able to describe and differentiate between normal/unhealthy animals, and have a working knowledge of common health issues.

- **Manatee Health and Conservation** (VEM 5373, 2 credit, letter grade, $50/cr DL fee) - to be offered Summer C annually, *all online, asynchronous.* The focus is to introduce veterinary students to manatee natural history, anatomy, physiology, behavior, conservation and health issues. Students will be exposed to these topics, introduced to current experts in these fields, be able to evaluate and describe common health and mortality issues, and explain current management strategies.

- **Scientific Conferences** (**max 2 credits**) conference must be approved by the Aquatic Animal Health program education committee and include: International Association of Aquatic Animal Medicine (IAAAM), the Society for Marine Mammalogy Biennial Conference on the Biology of Marine Mammals, Eastern Fish Health Conference, Florida Marine Mammal Health Conference, etc… You may receive 1 certificate credit for attendance to a conference (15 hr lectures or more) for no more than two conferences or 2 certificate credits for attendance (15 hr lectures or more) and an oral or poster presentation at a conference. Ideally the timing of the conference should not overlap with any other DVM courses. However, if there is overlap the student must receive approval from all impacted course coordinators to miss class for conference attendance.

Other courses may be appropriate and students are encouraged to discuss their academic background and professional goals with Aquatic Animal Health faculty when selecting electives for this certificate program.

Contact Information:

**Dr. Iske V. Larkin,** Ph.D.
Lecturer & Education Coordinator
Aquatic Animal Health Program
Large Animal Clinical Sciences
University of Florida
Phone (352) 294-4095
Cell (352) 494-1742
Fax (352) 392-8289
e-mail: IVLarkin@ufl.edu

**Program Web Site:** [http://aquatic.vetmed.ufl.edu/](http://aquatic.vetmed.ufl.edu/)
Certificate in Food Animal Veterinary Medicine

The Certificate in Food Animal Veterinary Medicine (FAVM) is offered to encourage the development of students capable of providing professional service to the area of food animal medicine upon graduation. The program is administered by the Food Animal Reproduction and Medicine Service in the Department of Large Animal Clinical Sciences. Professional students participating in the certificate program are mentored through didactic, clinical and extracurricular activities that provide a strong entry level training in food supply veterinary medicine. The faculty mentors play an important role in helping students clarify and pursue their career goals and set the path for their completion of certificate requirements.

Students from all backgrounds and experience levels are encouraged to participate. This is an opportunity for students to fill in experiential deficits and provide early curricular exposure to FAVM. Students with rural backgrounds that have had experience with food producing animals are particularly encouraged to participate. Students participating in other College programs, such as the Masters of Public Health, may find achievement of this certificate to be of additional benefit in their professional development.

Students who successfully complete this program will receive a University of Florida certificate and accompanying transcript annotation that documents their training in FAVM. The certificate will identify the new graduate veterinarian as capable and ready for an entry level position in a food animal practice or a food systems profession. The certificate will provide students an edge in employment readiness as a result of their dedication, work ethic and commitment to the certification process. They will be better prepared to provide leadership in the area of food systems veterinary medicine. This process will also prepare the way for specialty training in an internship and/or residency program and/or advanced training in a graduate education (MS, PhD) program.

Extracurricular Activities

The extracurricular experiences provide early exposure to FAVM. This is accomplished primarily by participation in the Food Animal Club within the College. Students participate in and provide a leadership role to this student organization. Weekend and evening wet labs coordinated by the student club and the faculty mentors provide hands-on animal experience, discussion of food animal topics and, very importantly, contact with others of similar interest, i.e., students, food animal residents, interns and faculty. Students become members of one or more of the food animal professional associations, i.e., the American Association of Bovine Practitioners (AABP), the Society for Theriogenology (SFT), Association of Small Ruminant Practitioners or Academy of Veterinary Consultants (ACV). These associations strongly encourage student development within their respective professional organizations.

Within this support structure, students:

- Observe the benefits of a career in FAVM, specifically, the role in providing for the safe, wholesome production of animal source food and the care of those animals.
- Recognize the varied career opportunities of veterinarians involved in FAVM
- Observe how their veterinary medical knowledge can be applied to the benefit of a well-educated clientele, their population of animals and to the benefit of the consuming public.
- Participate in seminars, tutorials, and experiences that will support the new graduate veterinarian in preparation to function in and/or establish a food animal practice.
- Be educated in the proper handling of and work with large animals to overcome concerns about the physical aspects of a career in FAVM.
- Be provided courses during the first years of the veterinary medical curriculum that cover the basic tenets of production animal medicine to provide early exposure for students who lack this experience.

Food Animal Club Wet Labs

Weekend and evening wet labs are organized through the fall and spring of each year in cooperation with the Food Animal Club and its faculty coordinator. Wet lab instruction is generally provided by food animal house officers and faculty mentors. The labs provide instruction in bovine palpation, toxic plants, small ruminants, necropsy/pathology, dehorning, nutrition, ultrasound utilization, embryo transfer, foot care, nursery pig care, breeding soundness evaluation of the bull, artificial insemination collection center (tour), grazing dairies, euthanasia, and other timely topics. Students receiving ‘certificate’ credit for participation in wet labs are expected to earn 2 credits during the 4 years of professional training.

Attendance at 8 labs is equal to 0.5 credit. It is suggested that those participating in the certificate program earn one certificate credit in their first year and the remaining credit over the next 3 years, including a half credit (8 labs) in their 4th year.
Individual Investigation (VEM 5991)

An important part of a student’s academic and scientific development is the curiosity and critical evaluation associated with pondering a research question and developing and executing a research study. Students will carry out an individual investigation under the supervision of a food animal clinician or an approved scientific mentor. The role of the mentor is crucial in helping to identify and develop a project that will help the student develop analytical skills and reach professional goals. The research will be conducted with a focus on addressing a food supply veterinary medicine question/problem. The study will be hypothesis driven, with specific objectives defined and evaluated. At the study’s conclusion, the findings will be presented in an appropriate forum, i.e., Phi Zeta Research Emphasis Day, AABP or SFT student presentations, and publication of results is encouraged.

Species Emphasis and Externships

As students prepare to enter clinics, they will select a Food Animal/Large Animal track emphasis. As a result, their clinical assignments will permit early participation in the food animal clinical rotation and subsequent elective rotations. Further, students will be readied early in clinical experience to participate in externships and receive external mentoring at locations that will provide strong and supportive opportunities under the guidance of practitioners and their faculty mentors. Upon return from each of at least 2 externships, the student will prepare a written report of the experience. Students will be given an appropriate forum to share their experiences in presentation format with other students.

Faculty Mentors

Faculty mentors are an important component of the certification process. Mentors act as student advisors to the certificate-seeking student. The mentor will provide guidance in attaining the best curricular and extracurricular experiences possible during the professional course. The mentor may provide direction with the individual investigation and externship experiences. They will also work with students to acquire funding for externships through established professional organization sources (AABP, SFT, AVC). In some cases, employment or stipends may be available for extended summer externships.

Current faculty mentors include, but are not limited to,

- G. Arthur Donovan, DVM, MS
- Klibs Galvao DVM, MPVM, PhD
- Jorge Hernandez, DVM, MPVM, PhD
- Max Irsik DVM, MS
- Fiona Maunsell BVSc, PhD, DACVIM,
- D. Owen Rae, DVM, MPVM
- Carlos A. Risco, DVM, DACT
- Rafael Bisinotto, DVM, MS, PhD
- Ricardo Chebel, DVM, MPVM

Core and Didactic Curriculum

Students will be expected to demonstrate enthusiastic, leadership roles in the core, required food animal didactic and clinical courses, and additionally will participate in the elective food animal didactic and clinical courses offered by the College. These core and elective courses are listed by name and by description below. Additional elective courses may be approved by certificate administrators. These may include CVM graduate courses or didactic courses in other Colleges, i.e. ruminant nutrition, ag-economics, HACCP systems.

- Core Didactic Curriculum
  - VEM 5204 Supervised Patient Care and Clinical Skills IV
  - VEM 5278 Theriogenology
  - VEM 5503 Veterinary Epidemiology
  - VEM 5504 Veterinary Preventive and Production Medicine
- Core Clinical Rotation
  - VEM 5735 Core Food Animal Reproduction and Medicine Service Clerkship (FARMS)
- Required, Elective Courses (Students are required to participate in several courses**)
  - VEM 5272 Bovine Reproduction
  - VEM 5352 Dairy Production Medicine
  - VEM 5355 Ruminant Medicine **
To earn the certificate in FAVM a student must:

- Be enrolled as a DVM student and in good academic and professional standing.
- Maintain good academic standing. [If a student is placed on academic probation, his or her ability to participate in this program will be interrupted until academic probation is resolved in a satisfactory manner].
- Complete 16 credit hours of approved, elective food animal academic course work.
- Select a food animal/large animal track emphasis for clinical and didactic course work.
- Show a consistent, four-year participation in FAVM program functions and activities.
- Identify a faculty mentor who will provide guidance through the elective course work, individual investigation and externships.

**Approved Academic Course work and Time Table:**

<table>
<thead>
<tr>
<th></th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
<th>DVM Certificate</th>
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<tr>
<td>Cr</td>
<td>F</td>
<td>Sp</td>
<td>Su</td>
<td>F</td>
<td>Sp</td>
</tr>
<tr>
<td>FA Club Wet Labs</td>
<td>0.5</td>
<td>R</td>
<td>E</td>
<td>E</td>
<td>E</td>
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<tr>
<td>VEM 5991- Ind. Investigation</td>
<td>2</td>
<td>R</td>
<td>[R]</td>
<td>2</td>
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<tr>
<td>VEM 5277- Reproduction</td>
<td>1</td>
<td>E</td>
<td>1</td>
<td></td>
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<tr>
<td>VEM 5352- Dairy Prod Med</td>
<td>1</td>
<td>E</td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>VEM 5530- Beef Prod Med</td>
<td>1</td>
<td>E</td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>VEM 5355- Rum Internal Med</td>
<td>2</td>
<td>R</td>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>VEM 5501- Epidemiology</td>
<td>1</td>
<td>E</td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>VEM 5506- Intern Med Seminar</td>
<td>1</td>
<td>E</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VEM 5835- FARMS Clerkship</td>
<td>2</td>
<td>R</td>
<td>2</td>
<td></td>
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<tr>
<td>VEM 5836- Special FA Elective</td>
<td>2</td>
<td>E</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VEM 5831- Externship*** (2)</td>
<td>2</td>
<td>R</td>
<td>[R]</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Other approved courses</td>
<td></td>
<td>E</td>
<td>[E]</td>
<td>2</td>
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</tr>
</tbody>
</table>

R=Required, E=Elective

*Cornell Summer Dairy Institute, Master Hoof Care Program, Spanish for Veterinarians

**16 labs = 1 credit; AABP, SFT, AASRP, AVC, FAVMC Conferences = 1-5 labs;
2 credits, suggested 1 first year, do 0.5 4th-year

***Competitive funding is available through AABP, ARV

**Administration**

Oversight of academic credits earned by student participants will be by the University of Florida Registrar’s Office. The tracking of certificate program elements and student progress will be managed and administered by the Food Animal Reproduction and Medicine Service, i.e., the service chief and faculty mentors. The certificate will be awarded at the time the DVM degree is awarded. For further information, please contact the Food Animal Reproduction and Medicine Service at 352-294-4387 or Dr. Rae at 352-294-4313.
Certificate in Shelter Medicine

The Maddie’s Certificate in Shelter Medicine provides students with an immersive experience in Shelter Medicine that results in veterinarians who are practice-ready to work in animals shelters. The Certificate is an internationally recognized credential that documents intensive study and expertise in this discipline.

Shelter Medicine is a new specialty area of veterinary practice recognized by the American Veterinary Medical Association (AMVA) and credentialed by the American Board of Veterinary Practitioners (ABVP). There are approximately 10,000 animal shelters in the USA, each of which desires the services of a veterinarian who is skilled and knowledgeable about this new area of veterinary practice.

Animal shelters take in more than 6 million cats and dogs every year in the US. Students in the Certificate will learn how to care for these animals as individuals and as a population via an immersive, hands-on experience in all aspects of shelter practice, including population medicine, behavior assessment and modification, zoonotic and species-specific infectious disease control, facilities management, sanitation, animal welfare, cruelty investigations, ethics, cultural diversity, public policy, and shelter consultations. Students will apply the standards of care for high-quality/high-volume spay-neuter practice, including selection of patients, anesthetic monitoring, surgical procedures, surgical record keeping, multi-modal pain management, and post-operative recovery. Students will also use Fear Free techniques while participating in individual animal preventive care, diagnosis, treatments, and surgical procedures common to the practice of shelter medicine.

Nationally, there is a shortage of veterinarians adequately trained in the clinical, managerial, and legal issues in Shelter Medicine. Similarly, there is a shortage of veterinarians skilled in high-quality high-volume spay/neuter, which is an essential component for reducing the number of unwanted pets. This is a transitional time for the animal welfare field as growing demand for animal-friendly solutions is challenging traditional sheltering paradigms, and skilled veterinarians are needed to lead this transition.

However, the Certificate is not just for students who plan for careers in shelters. Every private practitioner will see shelter pets in their practices when brought in by local shelters, nonprofit rescue groups, and foster families for medical care. Shelter pets are now the most common source of new pets in the US, with potential adopters able to select from the 6 million dogs and cats that find themselves in the shelter system each year.

Students who complete the requirements for the Maddie’s Certificate in Shelter Medicine will:
1. Know the critical role played by veterinarians in protecting the health and welfare of sheltered dogs and cats.
2. Recognize and respond to compromised physical and behavioral health of sheltered animals.
3. Develop skills in high-quality, high-volume surgical sterilization techniques.

Requirements

The 15-credit certificate program requires 3 online courses (9 credits), 2 externships (4 credits), and 1 clerkship (2 credits). There are also elective courses available in disaster medicine, veterinary forensic medicine, shelter consultation, and other topics. Students are required to join the Association of Shelter Veterinarians and to enroll in the discussion group in which shelter medicine issues are discussed and to subscribe to several shelter blogs.

The ideal path for Certificate completion is shown in the table below. The schedule can be adapted for students who discover their passion for Shelter Medicine later in their curriculum. However that will require completion of rigorous online courses during externships or clinical rotations, which can be more difficult to manage.

<table>
<thead>
<tr>
<th>Required Shelter Medicine Certificate Courses (15 credits)</th>
<th>Credits</th>
<th>When Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5321 Integrating Veterinary Medicine with Shelter Systems (Online)</td>
<td>3</td>
<td>Summer semester; suggested enrollment between freshman and sophomore year</td>
</tr>
<tr>
<td>VEM 5320 Shelter Animal Behavior and Welfare (Online)</td>
<td>3</td>
<td>Spring semester; suggested enrollment in junior spring semester</td>
</tr>
<tr>
<td>VEM 5381 Shelter Animal Physical Health (Online)</td>
<td>3</td>
<td>Fall semester; suggested enrollment in senior fall semester</td>
</tr>
<tr>
<td>VEM 5892 Shelter Medicine Externship</td>
<td>2</td>
<td>Variable; usually in the summer between junior and senior year</td>
</tr>
<tr>
<td>VEM 5892 Spay/Neuter Externship</td>
<td>2</td>
<td>Variable; usually in the summer between junior and senior year</td>
</tr>
</tbody>
</table>

The University of Florida's College of Veterinary Medicine Student Handbook 50
Required Shelter Medicine Extracurricular Activities

Participation in professional discussion groups and shelter management blogs provides early and real-time exposure to the field of Shelter Medicine and opportunities to connect with other students, residents, interns, faculty, and working professionals who share an interest in Shelter Medicine. In addition, these activities help students build a professional network that will support their career following graduation. Students will join the Association of Shelter Veterinarians member discussion forum [www.sheltervet.org/join-or-renew](http://www.sheltervet.org/join-or-renew) (student dues are $10 per year). Required blog enrollments are included in individual course assignments.

Certificate Completion Procedures

1. Students interested in learning more about Shelter Medicine should complete the online information form at [http://sheltermedicine.vetmed.ufl.edu/certificate-programs/on-campus-certificate/](http://sheltermedicine.vetmed.ufl.edu/certificate-programs/on-campus-certificate/) prior to enrolling in the first course. This is not a commitment to complete the Certificate, but is an informal contact list that provides students with regular updates about opportunities and advances in Shelter Medicine. Students typically join the group early in vet school when they discover their interest in Shelter Medicine but before they decide to complete the full Certificate. Joining the group also assures that students planning to earn the Certificate will have access to advising from faculty and staff to plan for successful completion and for staff to track completion of certificate assignments.
2. Maintain good academic standing.
3. Complete the required courses and activities.
4. Meet with the Shelter Medicine Student Services Coordinator once each semester to review progress for the certificate.
5. The Shelter Medicine program will maintain a record of each student’s progress and will report completed certificates to the UF Registrar, which will mail the official certificates following graduation. Students completing the Certificate program will be recognized during the commencement ceremony.
6. Although participation in Certificate activities occurs throughout all four years of veterinary school, students must officially apply to receive the Maddie’s Professional Certificate in Shelter Medicine with UF Admissions during fall of their senior year at [http://www.admissions.ufl.edu/apply/more](http://www.admissions.ufl.edu/apply/more). Student will receive an email with more instructions during this semester.
7. Complete a Certificate program evaluation survey in the spring of the senior year.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM 5890 OR VEM 5891 OR VEM 5863 OR VEM 5864</td>
<td>Consultations in Shelter Animal Medicine Clerkship (5890) OR Veterinary Community Outreach Clerkship (5891) OR Shelter Practice Clerkship OR Sterilization/Population Management Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>5890</td>
<td>Junior and senior clinical rotations</td>
<td>variable several times a year</td>
</tr>
<tr>
<td>5891</td>
<td>Veterinary Community Outreach Clerkship (5891)</td>
<td>year-round</td>
</tr>
<tr>
<td>5863</td>
<td>Shelter Practice Clerkship</td>
<td>year-round</td>
</tr>
<tr>
<td>5864</td>
<td>Sterilization/Population Management Clerkship</td>
<td>year-round</td>
</tr>
</tbody>
</table>

Certificate Program Contact Information

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate Program Faculty Coordinator</td>
<td>Dr. Cynda Crawford</td>
</tr>
<tr>
<td>Office location</td>
<td>SAH 348</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:crawfordc@ufl.edu">crawfordc@ufl.edu</a></td>
</tr>
<tr>
<td>Office phone</td>
<td>352-273-8723</td>
</tr>
<tr>
<td>Shelter Medicine Student Services Coordinator</td>
<td>Kim Richmond</td>
</tr>
<tr>
<td>Office location</td>
<td>VS-3</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:sheltermedicine@vetmed.ufl.edu">sheltermedicine@vetmed.ufl.edu</a></td>
</tr>
<tr>
<td>Office phone</td>
<td>352-294-4509</td>
</tr>
</tbody>
</table>
Veterinary Business Management Certificate

The College of Veterinary Medicine offers a Veterinary Business Management Certificate to further the education of veterinary students with regards to business and personal finance, practice ownership, business and employee management and career path preparation.

This certificate is designed to prepare veterinary students to become business owners. Through courses and clinical experiences students will obtain significant understanding of accounting, finances, human resources, operation management, marketing, and communication skills.

Certificate Learning Outcomes: Veterinary students who complete the requirements for the Veterinary Business Management Certificate will:

1. Identify and interpret veterinary medicine industry trends, career opportunities and develop an action plan for a career path.
2. Describe, implement and assess the components of veterinary practice management that include finance, practice operations, human resources and marketing.
3. Demonstrate essential business skills to manage a profitable and successful veterinary practice.

Certificate Program Director:
Dr. Martha Mallicote
Email: mallicotem@ufl.edu
Office Phone: 352-392-2229

Application Procedures
Admission to the veterinary business management certificate is by application. Good academic standing is required for enrollment and to remain in the certificate program. Students must be a member in good standing with the Veterinary Business Management Association. In order to apply for the business certificate program, please complete the following tasks:

- Review the certificate requirements on the CVM Business Certificate website.
- Complete the program application form electronically.
- Submit a photograph of yourself and a brief statement (100-200 words) about why you want to obtain a business certificate and what you hope this training will accomplish for you in your career.

Certificate Requirements
Students must complete 10 required credit hours by successfully completing the following courses, externship and clerkship with a passing grade (S) or receiving a grade of 80 or higher during their 3rd and 4th years at the UF College of Veterinary Medicine.

Courses
**VEM 5894, Veterinary Practice Management Clerkship**, 2 credits, Summer
Course Coordinator: Dr. Martha Mallicote. Course will evaluate successful business behaviors and successful business disciplines. Students will build their observational and diagnostic skills by interviewing hospital owners and reviewing their business practices. This clerkship is offered during the summer semester and is open to seniors only. Clerkship dates for Summer of 2015 are May 18-29 (Block A), June 15-26(Block C), July 13-24(Block E), July 27-Aug7 (Block F), 2015.

**VEM 5730, Practice Based Equine Clerkship**, 2 credits, Variable
Course Coordinator: Dr. Amanda House. The purpose of this course is to provide students with on-farm, primary care experience with horses in physical examinations, diagnosis, treatment, herd health, routine surgery and practice management. This clerkship is offered to juniors in their summer or fall semesters and seniors in the first rotation of their summer semester and throughout their spring semester.

**VEM 5992, Special Projects, or VEM 5991, Student Individualized Investigation**, 2 credits, Summer/Fall
Course Coordinator: Dr. M. Mallicote. Students will investigate one business related topic to test a hypothesis or answer a specific question. The topic and mentor must be chosen by April 15, 2015 and submitted for approval to the
course coordinator. The students will collect data and prepare a manuscript in the style of an appropriate medical or business journal due August 7, 2015 and present the results in an oral or poster presentation on September 8,9,11 from 1-5pm.

**VEM 5030, Entrepreneurship for Veterinarians**, 2 credits, Fall

Course Coordinator: Dr. M. Mallicote. The goal of the course is to teach veterinary students the critical aspects of finance, operations, marketing and human resource management to prepare them for successful practice ownership. You will take this course online during the fall of your senior year.

**VEM 5032, Veterinary Business and Professional Development**, 1 credit, Spring

Course Coordinator: Dr. M. Mallicote. The goals of this course are to explore how personal financial obligations relate to career path planning and preparation, identify communication skills for managing clients successfully and review the components of veterinary business finance. You will take this course during the spring of junior year.

**VEM 5035, Veterinary Business Management**, 1 credit, Fall

Course Coordinator: Dr. M. Mallicote. The goals of this course are to review employment contracts and interview strategies; identify communication skills for managing conflict, discussing medical errors and guiding clients through difficult decisions; review basic veterinary laws as they relate to the veterinary client patient relationship; describe marketing and social media for successful practice management; analyze the components of purchasing a practice. You will take this course during the fall of your senior year.

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**Checklist for Veterinary Business Management Certificate**

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<tbody>
<tr>
<td>Complete application for Veterinary Business Certificate on Website by January 9 of 2015 - record date</td>
<td></td>
<td></td>
<td></td>
<td>1/9/2015</td>
<td></td>
</tr>
<tr>
<td>VEM 5892 Special Project or VEM 5891 Individual Investigation - pick topic/mentor by April 15, 2015</td>
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<tr>
<td>VEM 5894 Veterinary Practice Management Clerkship - record the month it was taken</td>
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<td>**</td>
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<tr>
<td>VEM 5032 Veterinary Business and Professional Development</td>
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<td>VEM 5035 Veterinary Business Management</td>
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<td>VEM 5030 Entrepreneurship for Veterinarians</td>
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<td>VBMA in “Good Standing”*** - record when dues are paid and number of meetings, seminars and dinners attended</td>
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<td>Apply for certificate with OSI in December of 2015</td>
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*Record when a mentor/topic has been chosen.

**PBEC is usually only offered in rotation A to this class

***For the Class of 2016 requirements for “Good Standing” - paid membership dues and attendance to at least 2 VBMA Spring Business conferences, 10 general meetings, and 1 VBMA Professional Dinner.
VI. Student Services

The Office for Students and Instruction has many functions. OSI maintains the academic records of all students and oversees that students have properly registered for required and elective courses. Staff members plan many of the major student activities, such as orientation programs, Freshmen Leadership Experience, Wellness Events, the White Coat Ceremony and Commencement. All members of the Office for Students and Instruction are firmly committed to insuring that students feel like valued members of an extended family. Our office exists precisely to be of service to you, and we welcome every opportunity to assist you in your career progression and professional development.

Academic Standards

Student performance will be evaluated by subjective and objective methods including examinations given by the various teaching units throughout the curriculum and subjective evaluations prepared by the members of the faculty. The following information will be collected or computed by the Dean of Students for all students enrolled in the professional degree (DVM) program:

- Final grades for all courses
- Grade point average (both semester and overall)
- Evaluations by faculty in Phase III of the curriculum on the subjective criteria
- Clinical clerkship grades (including readiness to practice) upon completion of each clinical rotation
- Previous advancement and probation recommendations of the Academic Advancement Committee and actions of the associate dean.

At the conclusion of each semester, students meeting the following criteria will be advanced to the next semester or to the degree candidacy as appropriate in the curriculum:

- Successful completion of all required didactic courses and clerkship rotations to that point in the curriculum, including elective coursework, to achieve a minimum of 150 credits for advancement to degree candidacy
- Achieving a 2.0 or greater semester GPA and maintaining a 2.0 or greater cumulative GPA
- Achieving satisfactory evaluations in “readiness to practice” on required and elective clerkship or externship rotations. Please note that the assessment of a student’s readiness to practice is evaluated in three areas:
  - Ability to make independent decisions;
  - Ability to transfer facts to actual clinical problem solving; and
  - Professional maturity.
  - Students may receive an unsatisfactory readiness to practice evaluation in one clerkship/externship rotation without penalty. A formal letter of warning from the Dean of Students will be sent to the student and the student's faculty advisor indicating that should another unsatisfactory assessment be issued during any subsequent clerkship/externship, a meeting of the Academic Advancement Committee will convene.

Satisfactory demonstration of professional attitudes considered important for successful performance in veterinary medicine includes, but is not limited to the following:

- Academic honesty
- Interpersonal relations and communication skills
- Completion of Student Learning Outcome documentation in a timely manner
- Behavior and conduct with animals, clients, faculty, students, and staff
  - Adherence to the provisions of the Veterinary Medical Practice Act of the state of Florida as set forth by the Department of Business and Professional Regulations
- Not currently on probation
**Academic Advancement Committee**

The Academic Advancement Committee is a group of UF CVM faculty and clinicians who strive to uphold academic standards and assist students who are struggling academically. After each semester (or more often when necessary), the AAC will review the academic performance of students displaying one or more of the following:

- Failure in any course in the veterinary curriculum
- Failure in any course in the veterinary curriculum that has not been rectified by successful completion for the prescribed plan for remediation
- GPA below 2.0
  - Specifically regarding DVM courses
  - Current semester, past semester, and overall GPA may be considered
- Two unsatisfactory evaluations on subjective criteria, including “readiness to practice”
  - As part of this review, the committee will contact the involved faculty member(s) to determine the rationale and basis for the unsatisfactory evaluation
- Currently on probation or required to fulfill a prescribed plan for reinstatement
- Repeatedly missing scheduled examinations

The Academic Advancement Committee will review those students who do not meet the criteria stated above (see Academic Standards section for more details). The committee will decide an action (continuation without probation, continuation with probation, non-advancement, or dismissal), and it will communicate the decision to the student. In cases of Academic Dishonesty, students will be referred to the University Dean of Students and Vice President of Student Affairs. Please see Honor Code section below.

**Notification of Unsatisfactory Performance**

After each semester (or more often when necessary), any student whose record indicates unsatisfactory performance based on the above list will be notified of the deficiencies by the Dean of Students prior to the Academic Advancement Committee’s review of the student’s performance. The student will be given the opportunity to correct any clerical errors in their record or append explanations for reported unsatisfactory evaluation entered in their record.

**Academic Advancement Committee Decisions**

The committee will decide an appropriate action for the student:

- Continuation without probation
- Continuation with probation
- Repeat an entire semester or year under probationary conditions as set by the AAC
- Non-advancement
- Dismissal

When the committee has decided on continuation with probation or non-advancement, the committee will also include a plan of action for the student to return to good academic standing within the degree program.

- Since grade authority rests solely with the instructor of the course, the initial phase for appeals for grade changes must be directed to the instructor. If the student is dissatisfied with the outcome, they may append explanations for unsatisfactory performance entered in their record. The Academic Advancement Committee will take this information into account when deciding a course of action; however, the committee may not initiate procedures that include course grade changes.

- In making its decision, the committee will consider the severity of the student’s academic problem, the effort required to correct the deficiencies or change the behavior and the probability, based on previous performances of the student, of successful correction of the deficiency. Consideration of the availability of resources (class space, tutors, etc.) must also be taken into account when formulating a plan to resolve academic deficiencies.
  - Course remediation
The committee may decide that a student be allowed to remediate a failed course(s), however, in all cases of remediation, a grade of D- will be used to replace the failing grade after successful completion of remediation. Should remediation be denied in cases of failed elective courses, the failing grade will remain on the transcript and no credit will be given.

- Repeating a semester or year
  - The committee may decide that a student should repeat an entire semester or year based upon a failed course(s) and/or cumulative GPA less than 2.0. In such instances, the grades obtained upon repeating the semester or year will supersede previously earned grades in calculating the student’s GPA within the College of Veterinary Medicine. In these cases, it should be noted the college GPA will be internally calculated and will differ from the GPA calculated by the Office of the Registrar at the University of Florida. The University of Florida has an official policy regarding repeated coursework; transcripts will contain all grades from all courses taken while enrolled as a student at the University of Florida.

- Decisions that contain a plan for remediation will be specific in terms of the end-point for successful completion, including time limits and method of verification of completion.

- Academic probationary status of each student on probation will be reviewed at the end of each Fall and Spring semester. Probation is lifted after all the requirements of the remediation plan set forth by the AAC committee are met. In most cases, this means the student has a semester and overall GPA of 2.0 or better and that all evaluation criteria of professionalism and readiness to practice categories in the clinical year are in the satisfactory category. Elective courses taken in the summer semester are not taken into account in regards to probationary status, only a full load of coursework that includes courses required for graduation are taken into account.

- When necessary in defining the plan for remediation, the committee will use experts in the area of the student’s deficiency.

- Students with exceptional reasons that might lead to failure to complete a course (e.g. illness or death in the family) may be given an incomplete grade for which the instructor will prescribe the procedure for fulfilling the course requirements. Students must inform the Associate Dean and course coordinators of circumstances that might justify the assignment of Incomplete rather than failure of a course. Informing the Associate Dean and course coordinator of such circumstances must occur as the circumstances develop and not after a course has been failed. A decision to assign an Incomplete in a clerkship or didactic course will be a joint decision made by the course/clerkship coordinator and the Dean of Students with consultation from the academic advancement committee and the student’s advisor if deemed necessary. Medical leave can only be granted by University level officials. The procedures for requesting medical leave can be provided by the OSI but the responsibility for completing the process rests with the student.

- The Academic Advancement Committee will make decisions and inform the student of the decision in writing, including the plan for remediation where appropriate. The student may appeal the committee’s decision by submitting a written request to the dean for review within 14 days after receiving written notification. The request should explain the student’s position and any possible justification for a different course of action. The decision of the dean is final on all matters involving academic performance or academic progress.

**Faculty Advisor**

All students at UF CVM are required to have a faculty advisor. Upon entering UF CVM, students are assigned to *instructional* faculty advisors. Advisement at this stage is intended to be primarily academic; however, depending on the rapport established, some students consult with their faculty advisor for non-academic reasons as well. Students will remain with this advisor until they enter clinics after completing their second year. At the beginning of the third year, students are permitted to select a clinical faculty advisor with experience in the area of the student’s choice. Advisement at this time may entail selection and supervision of the research project, career choices, etc., as well as academic advisement. Students will remain assigned to their clinical advisors until graduation.
Requests to change advisors are considered on a case by case basis. OSI makes every effort to assign an advisor that meets a student’s needs and we are open to considering requests. At times, a student’s situation may even lead OSI to suggest a different advisor than was originally assigned. Changing advisors requires a formal request. Every effort to accommodate the request will be made however, sometimes an advisor cannot accommodate an additional student and an alternative plan may be suggested. In addition, OSI must inform a currently assigned advisor that a student has requested a change.

If you are entering clinics and would like to select a clinical faculty advisor, or if you would like to request a different advisor, please fill out the form below. Please select your top three choices in faculty advisor. The best attempts will be made to match you with your desired choices; however, assignment is subject to availability. http://education.vetmed.ufl.edu/student-services/request-a-faculty-advisor/

**Student Cell Phone Requirements**

Students entering clinical rotations are required to provide a personally owned mobile phone to use for communicating with faculty and staff. Please keep in mind the following when purchasing a phone:

- VetMed currently has an AT&T distributed antenna system, so AT&T is the preferred cell phone provider. Verizon and Sprint also seem to provide good coverage in the hospital. Other carriers may work, but students will be responsible for verifying that their reception is adequate in both hospitals.
- The mobile phone/smartphone selected should have at least a 3G wireless network. It must be capable of receiving and sending calls in the hospitals as well as accepting text messages and voicemail.
- If a student is changing plans within the next year, it would be advisable to choose a company that provides a window to return the phone. Many companies will allow the return of a phone within 30 days of purchase. This time will allow students to verify that the phone has adequate reception in the hospital.
- The college maintains a faculty/staff/student cell phone database. Students must provide their cell phone numbers for publication in the address book. A copy of the contacts database is available for download, but students will be responsible for managing their own contacts. The phone should be able to store up to 1000 contacts, if possible.

**Career Services**

The mission of the UF College of Veterinary Medicine is to prepare students for their future career goals. To support this mission, the college has a career counselor. Katelyn Jerles serves as the Assistant Director for Career & Industry Engagement serving both UF students and employers interested in career development and hiring. All students are encouraged to visit and utilize their career counselor early and often to assist in their career development. Career Services are helpful in exploring and determining future long term career goals and steps, short term summer, volunteer, and research opportunities, applying for internships, residencies, full time jobs, part time positions, reviewing cover letter, resumes, CVs, letters of interest, application materials, mock interviews, and more! Career Services hosts various events throughout the year, individual appointments are held in the Office for Students and Instruction. For more information or to schedule an appointment email KatelynJ@crc.ufl.edu or call 352-294-8405. You can visit the UF CVM Careers website at http://education.vetmed.ufl.edu/student-affairs/veterinary-career-center/

**Wellness Center and Counseling Services**

http://www.counseling.ufl.edu/cwc/

Professional students often experience degrees of stress not previously encountered in undergraduate programs. It is important to recognize the effects of stress and to seek help from a support network. Students are strongly encouraged to seek assistance from the Wellness Center or to contact the Dean of Students or any OSI staff member if they want to discuss available resources or need help accessing resources. The Dean of Student and any OSI staff member are also contact points for students to report concerns regarding personal distress or classmates in distress. Students in immediate need of counselling or other support services are strongly encouraged to contact the Wellness Center, Dean of Students or OSI staff members.

The Wellness Center: (352-392-1575) or seek assistance at their location at 3190 Radio Road.
Financial Aid

All students receiving financial aid are responsible for keeping track of their aid through One.UF, which includes providing any updated information that may affect their aid. Use the “Aid Status” page to find out if your financial aid file is complete or if you have outstanding requirements that will prevent the disbursement of aid. Financial aid must be used only for expenses directly related to your education. The CVM specific student budget includes tuition fees, books and supplies, computer/cell phone costs, housing and meals, transportation, clothing such as polos and scrubs, health insurance and other CVM-specific requirements such as rabies titers, NAVLE and Florida licensure fees. For more information on how the budget is calculated, you may visit the Student Financial Affairs webpage.

The College of Veterinary Medicine strives to assist students in securing financial assistance. However, it is not the responsibility of the college to make arrangements to finance education; OSI can only assist as we are not trained in the details of obtaining financial aid. Our college is assigned a staff member in the Office for Student Financial Affairs to assist our students with detailed questions. OSI requires that students applying for financial aid complete the Free Application for Federal Student Aid (FAFSA) each year before any financial aid award can be confirmed.

The primary source of financial aid for veterinary students is Federal Direct Stafford Loans. Should you have questions pertaining to these loans, please contact Ms. Eileen Parris, in the Office for Student Financial Affairs or the financial aid on the UF campus assigned to assist students in the College of Veterinary Medicine.

Guidelines for Pregnant Veterinary Medical Students

The potential for injury during the education of veterinary students increases during pregnancy. Exposure to toxic drugs, infectious agents, inhalation anesthetics, radiation, and other agents or activities present real hazards to unborn children, particularly during the first trimester of pregnancy. In addition to chemical, infectious, and radiation dangers, physical accidents incurred while working with animals may also lead to serious injuries for mother and child.

It is in the best interests of pregnant students to maintain regular contact with their physician and to take appropriate steps to minimize exposure to hazards inherent in veterinary medical education. Please remember that the university cannot fundamentally alter its established curriculum or academic program. It may be necessary to make the decision to take a semester or even a year off to accommodate the birth of a child. While pregnancy is not generally considered a disability, pregnant students may wish to inform the Dean of Students as early as possible to facilitate communication and to take advantage of all available options. We are supportive of the needs of pregnant students and new mothers. A lactation room is available for those that have a need. Please do not hesitate to seek advice.

Rights and Responsibilities

- It is recognized that pregnant students maintain their established student rights.
- Pregnant students are expected to complete each and every requirement of the veterinary curriculum. If the risks of completing certain components or specific assignments in the DVM curriculum are deemed unacceptable, pregnant students will develop, in consultation with and after approval by faculty, an alternate equivalent plan or schedule deemed acceptable by the University, the student, and their attending physician. Copies of all documents pertaining to revised assignments of pregnant students will be kept on file in the office of the Dean of Students.

Curriculum Concerns

- Laboratories
  - Formalin exposure in anatomy laboratories.
  - Anesthetic gas exposure in surgery laboratories.
- Clinical Clerkships: long work hours, exposure to sometimes unruly small and large animals, exposure to toxic drugs, and exposure to infectious diseases.
  - Radiology Clerkship
    - Exposure to x-rays
Pathology Clerkship
- Physical labor of lifting heavy animals, slippery floors, zoonotic diseases (e.g., toxoplasmosis, cryptosporidiosis, brucellosis, salmonella, etc.), exposure to formalin, exposure to DMSO

Rural Animal Medicine Clerkship
- Exposure to prostaglandins, parasiticides (i.e., organophosphates, etc.), infectious organisms (Cryptosporidia, Brucella, Salmonella, Chlamydia, etc.), environmental conditions of hot, humid, and sometimes dusty conditions with much standing and walking required, exposure to large and sometimes unruly animals.

Anesthesiology and Surgery Clerkships
- Exposure to anesthetic gases.

Large Animal Clerkships
- Being pushed, pulled, kicked or otherwise put in physically harmful situations

Available Options

1. Students may opt to continue regular student enrollment with selected schedule and assignment changes. This option has risks, and it will likely delay completion of the DVM program. It is dependent upon multiple factors:
   - The student’s ability to participate in the revised educational program;
   - The ability of the college to make changes in the student’s schedule of clinical assignments in advance; and
   - Availability and willingness of classmates to exchange scheduled clerkship assignments with the pregnant student.

2. Students in good academic standing may submit a written request to withdraw from the DVM program, for a period of time up to one academic year, to the Dean of Students. Students who are allowed to withdraw may be readmitted upon application approved by the Dean of Students and permitted to graduate with a subsequent class. This option minimizes health hazards and risks associated with attempting to continue a veterinary medical education while maintaining a pregnancy. This option also allows time to be with the new baby and make arrangements for childcare.

Legal Name Changes

Name change documents are available in the Office for Students and Instruction. Two forms must be completed to make a name change with the University of Florida’s Registrar’s office and OSI.
- Complete and send this form to the agency in which your legal name change is recorded (such as the Clerk of the Court). The agency in which your legal name change is recorded should mail the form back to the Office of the University Registrar along with the supporting documentation, as indicated on the form (call for instructions, 352-392-1374)
- Complete this form for processing at CVM. Return to Lynnette Chaparro (chaparrol@ufl.edu).

International Student Visas and Externships

International students are responsible for maintaining their student visa status throughout their time at the University of Florida, College of Veterinary Medicine. Any questions about the student visa status may be directed to the UF International Center (UFIC) at 352-273-1541. The Office of Students and Instruction will assist in every way possible, but it is the responsibility of the student to educate themselves on the requirements, processes and limitations of the visa they hold.

F-1 Visa Status
The majority of international students completing a degree will be classified under an F-1 visa. Once admitted, OSI will provide instructions & paperwork to the student regarding obtaining an I-20, the government document
required for an international student to apply for the F-1 visa. The student will return the documents to OSI who will then submit a complete I-20 Request Packet to the Certificate Programs advisor at CertificatePrograms@ufic.ufl.edu at the UFIC. The Certificate Programs advisor will review the documents and process the I-20, mail the I-20 to the student, who will then apply for the F-1 visa. The student is responsible for maintaining their F-1 visa status while in the US and may contact CertificatePrograms@ufic.ufl.edu or 352-273-1541 should they have any questions regarding their F-1 visa status. Additional information applicable to students in the Certificate Programs is available at http://ufic.ufl.edu/ISS/certificateprograms.html.

Externships and CPT
F-1 international students who wish to complete an externship away from the UF campus must apply for a Curricular Practical Training (CPT), if eligible. CPT is alternate work/study, internship, cooperative education, clerkship, or optional/required internship or practicum, available only while the student is in F-1 status, before completion of the program, whether paid or unpaid. Additional information regarding the CPT eligibility requirements, instructions, and forms are available at https://www.ufic.ufl.edu/iss/currentF1studentsCPT.html. After reviewing and completing the process provided online, the student must make an appointment to meet with the Certificate Programs Advisor at the UFIC to complete the requirements and obtain CPT authorization to participate in the externship. An appointment may be scheduled by calling 352-273-1541. Additional planning is required for international students as there are additional steps beyond the normal externship approval process; please ensure you begin planning at least 3 weeks to 1 month ahead of time! The CPT is approved during the student’s appointment.

OPT and Employment
F-1 international students who wish to seek temporary employment after graduation must apply for Standard 12-Month Optional Practical Training (OPT) if eligible, or apply for a change of status to a work visa, such as J-1 or H-1B, if eligible. OPT is temporary employment for practical training directly related to the student's major area of study, available upon program completion to students who were enrolled full time for at least one full academic year. Additional information regarding the OPT eligibility requirements, instructions, and forms are available at https://www.ufic.ufl.edu/iss/currentF1studentsOPT.html. After reviewing and completing the process provided online, the student must make an appointment to meet with the Certificate Programs Advisor at the UFIC to assemble their OPT application to mail to the USCIS Department of Homeland Security. An appointment may be scheduled by calling 352-273-1541. Students may apply for OPT up to 90 days prior to the “Program End Date” indicated on the I-20. USCIS requires 60-90 days to adjudicate the OPT application, averaging 80-90 days.

Health Center Library
Students of the College of Veterinary Medicine are members of the Health Science Center and therefore have access to the Health Center Library (in the Communicore building of the Health Center), which contains an extensive collection of books, journals, and audiovisual- auto tutorial units. Study space and photocopying equipment are available. http://library.health.ufl.edu/

Students may also benefit from classes and tutorials within these facilities. Ms. Hannah Norton is the Health Science Center Librarian who provides college-specific courses on using library resources and strategies for research. Drop-in sessions are available to Vet students, faculty and staff (http://library.health.ufl.edu/services/library-classes-and-tutorials/) and a Vet Medicine subject guide is available (http://guides.uflib.ufl.edu/vetmed). Hannah Norton can be reached at 352-273-8412 or nortonh@ufl.edu

Education Center
A branch reading room of the Health Center Library is located in the Veterinary Academic Building (VAB) called the Education Center. The Education Center provides places to study that include computer workstations, group study rooms and a quiet room. Adjacent to the Education Center is a computer lab designed for team-based learning. When class is not in session, students are welcome to use the computer lab for homework and studying. The Education Center is open to CVM students 24 hours per day, 7 days per week. However, an ID badge is required to enter the Veterinary Academic Building after 5 p.m. The Education Center central space is not a
“quiet” area but voices should be kept low and consideration for others is expected. While food and drink are allowed in the Education Center, we ask that drinks be in nonspillable containers and snacks be nonspillable or dry form. No pets are allowed in the Education Center.

**UF Health VPN**

The UF Health Virtual Private Network (VPN) allows students to access sensitive information related to their school work while away from campus. Many times, the VPN is utilized to ensure security for client files, course notes or college databases while students are accessing these tools while off campus. The VPN can be accessed through any laptop, tablet or smartphone device as long as an internet connection is available. The UF Health VPN client is supported on all major computer and mobile operating systems. For full instructions on connecting to the VPN, see mobile or desktop instructions.

At the end of these instructions you should be logged into the VPN. This client will make your computer appear that it is on the UF Health internal network. Should you have connectivity issues, please contact the UF Health IT office: 352-265-0526

**North American Veterinary Licensing Examination**

https://www.icva.net/navle-general-information/

The North American Veterinary Licensing Examination (NAVLE) is required for licensure to practice veterinary medicine in North America. Also known as the national boards, the NAVLE is developed and managed by the International Council for Veterinary Assessment (ICVA), formerly known as NBVME, National Board of Veterinary Medical Examiners. Fourth-year veterinary students are privileged to sit for the national licensing exam during November/December and again in April. Please note, the deadline for applying to the NAVLE is 3-4 months in advance of the testing dates and often by August 1st.

**State Licensure**

http://www.myfloridalicense.com/dbpr/Pro/vetm/index.html

The practice of veterinary medicine is controlled by a central agency in each state. In Florida, it is the Florida Board of Veterinary Medicine, which is under the jurisdiction of the State Department of Professional Regulation. The State of Florida does require candidates to have passed the National Board of Veterinary Medical Examiners prior to state licensure. The website above provides the most up to date information regarding application procedures, review materials, fees, testing center contacts and other details for the state of Florida. The State of Florida offers the candidate the opportunity to schedule the state licensure examination at various computer testing locations at the candidate’s convenience, once an application has been approved. For details on other state licensing boards please review details here: https://www.aavsb.org/OurServices/look-up-a-license

**USDA Accreditation**

https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/nvap

Veterinary students may participate in a validation procedure that enables the practicing veterinarian to participate in state and federal disease control eradication programs and to issue health certificates. For our students’ convenience, we will schedule a day for USDA accreditation at the college the fall of senior year.

**DEA Registration**

https://www.deadiversion.usdoj.gov/drugreg/index.html

To ensure compliance with the Drug Enforcement Administration, veterinarians should register with the DEA (details at the link above). The AVMA has resources available specifically concerning veterinarian compliance with the Controlled Substance Act and the DEA: https://www.avma.org/KB/Resources/Reference/Pages/dea-registration.aspx
II. Student Honor and Conduct Code

CVM and UF Honor Code

The College of Veterinary Medicine expects students to be honest in all their course work and communications. As part of the online orientation process, all students entering the program will review the Student Honor and Conduct Code Module explaining the philosophy, expectations, scope, rules and procedures of the UF Student Honor and Conduct Code. The Code can be accessed via this link:
http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/

In addition, each student must electronically submit a signed Honor Code Pledge that reads as follows:

I have read the University of Florida Honor Code and understand its scope, definitions, and expectations. I understand the University Of Florida College Of Veterinary Medicine expects its students to be honest in their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action, up to and including expulsion from the College. I, furthermore, understand that cases of academic dishonesty may be resolved by a conference between instructor and student but that all violations are still reported to the Student Conduct and Conflict Resolution Office. If the issue is not resolved between the faculty member and the student, the faculty member will forward a charge letter to the Student Conduct and Conflict Resolution Office and a hearing will be scheduled with the Health Science Student Conduct Committee. I am aware that the Health Center Student Conduct Committee is the appropriate Body for considering cases and that all cases of academic dishonesty fall under the jurisdiction of the University Dean of Students and Vice President of Student Affairs.

In 1995 the UF student body enacted an honor code and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the university, they commit themselves to the standard drafted and enacted by students.

Preamble

In adopting this honor code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the university community. Students who enroll at the university commit to holding themselves and their peers to the high standard of honor required by the honor code. Any individual who becomes aware of a violation of the honor code is bound by honor to take corrective action. The quality of a University of Florida education is dependent upon community acceptance and enforcement of the honor code.

The Honor Pledge

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

On all work submitted for credit by students at the university, the following pledge is either required or implied: On my honor, I have neither given nor received unauthorized aid in doing this assignment.

The university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. In addition, every dishonest act in the academic environment affects other students adversely, from the skewing of the grading curve to giving unfair advantage for honors or for professional or graduate school admission. Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior.

Student Responsibility

Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean, Student Honor Council or to the office of Student Conduct and Conflict Resolution in the Dean of Students Office.

Faculty Responsibility

Faculty members have a duty to promote honest behavior and to avoid practices and environments that foster cheating in their classes. Teachers should encourage students to bring negative conditions or incidents
of dishonesty to their attention. In their own work, teachers should practice the same high standards they expect from their students.

**Administration Responsibility**

As highly visible members of our academic community, administrators should be ever vigilant to promote academic honesty and conduct their lives in an ethically exemplary manner.

**Standards of Professional Behavior and Conduct**

The College of Veterinary Medicine expects all students to be professional in their interactions with patients, colleagues, faculty, and staff and to exhibit caring and compassionate attitudes. These and other qualities will be evaluated during patient contacts and in other relevant settings by both faculty and peers. Behavior of a veterinary student reflects on a student's qualification and potential to become a competent veterinarian. Attitudes or behaviors inconsistent with compassionate care; refusal by, or inability of, the student to participate constructively in learning or patient care; derogatory attitudes or inappropriate behaviors directed at clients, patients, peers, faculty or staff; misuse of written or electronic patient records (e.g., accession of patient information without valid reason) substance abuse; failure to disclose pertinent information on a criminal background check; or other unprofessional conduct can be grounds for dismissal.

Students in Veterinary Medicine and other health professions curricula are held to standards of conduct that both differ from and exceed those usually expected of university students. Consequently, DVM students are required to demonstrate clinical competency, including reasonable skill, safe practice, and professional behavior at all times, in the care of patients. Students may be removed from program experiences at any time for unsafe or unprofessional behavior.

Students can be removed from the veterinary curriculum and/or any college sponsored programs or organizations based on violation of professional conduct. Professional conduct is required whether on campus or off campus. Breaches of conduct are referred to the Health Science Center Student Conduct Committee and may include expulsion from the program.

**Health Center Student Conduct Standards Committee**

Cases of alleged academic dishonesty from veterinary students fall under jurisdiction of the Health Center Student Conduct Standards Committee. Violations of the conduct code that may result in expulsion or a lesser sanction include but are not limited to:

- Academic dishonesty;
- Furnishing false information to the university;
- Unauthorized use of or destruction of university property; and
- Disruption of the orderly operation of the university.

The Health Center Student Conduct Standards Committee is comprised of Health Science Center faculty members and 5-8 student members from each of the Health Center colleges. Cases of academic dishonesty that occur in the health center colleges are referred by faculty member to the director of student judicial affairs, who serves as advisor and nonvoting executive secretary to the committee. If it is determined that a hearing is necessary to resolve the allegations against the student, a subcommittee is convened as follows: four faculty members and one student member from the college of the accused student and two faculty members and one student from another health center college. Five members of the committee, including at least one member from another college, must be present for a hearing.

Prior to the hearing, the student will be advised of rights and privileges under the code of student conduct by the director of student judicial affairs. After a hearing by the Health Center Student Conduct Standards Committee, if the student is adjudicated responsible, the committee will recommend one or more sanctions to the Dean of Students Office, P202 Peabody Hall, who will take final action. Sanctions can range from reprimand and a grade reduction in the course to expulsion from the university (University of Florida Rule 6C1-4.0211).
Student Conduct Guidelines

Purpose: To serve as a reminder that students are now part of the veterinary medical profession and have a responsibility to show respect and consideration to both their colleagues and their instructors.

- **Interpersonal Interactions:** Students are expected to respect one another and to be sensitive to differences in race, religion, ethnic origin, gender, sexual orientation, age and disability within the UF/CVM community.
- **Hygiene and Personal Grooming:** Students are expected to come to class wearing clean clothes, to have an odor-free body, and to adhere to the student dress code.
- **Classroom Tardiness:** Students are expected to be on time for class. In the rare case when extenuating circumstances make lateness unavoidable, students are expected to enter quietly from an interior door and take the closest available seat.
- **Classroom Conduct:** Students are expected to treat all instructors with respect and courtesy and to attend to the classroom activity. Sign-up sheets for extracurricular activities should be passed around between lecture classes or posted in the labs. Students must be aware that talking and other noisy behavior are disruptive to the instructor and to other students during class.
- **Leaving Class Early:** Students are expected to stay in class for the entire period except when unusual extenuating circumstances require them to leave early. In these cases, professional courtesy dictates that advance notice is given to the instructor whenever possible.
- **Attending Class:** Students are held responsible for all information and material given in class, and they will not receive individual instruction for missed classes except in documented cases of illness or other unusual extenuating circumstance.
- **Examinations:** Individual students may not reschedule examinations except in the case of documented medical or family need or unusual extenuating circumstances. The Director of Student Affairs is to be advised of each instance an examination is rescheduled. Students that are ill or have family emergencies are required to complete the absence request form or contact the Director of Student Affairs at the first opportunity and prior to the scheduled exam, if possible.

VIII. Veterinary Medicine Policies

**Electronic Dissemination or Online Posting of Information Related to UF Veterinary Hospital Patients or Clients**

All students, including UFCVM students, students from offshore veterinary schools, and visiting students, must recognize and respect the importance of maintaining the privacy and confidentiality of any information pertaining to patients or clients of the University of Florida veterinary hospitals (UFVH). In order to protect the privacy of our hospital clients and their pets, students are prohibited from disseminating any type of patient-related or client-related information to any individual(s) outside the UFVH, unless they are given prior written approval by The Associate Dean for Clinical Services and Chief Medical Officer, Dr. Dana Zimmel.

Students should note that all client-related and patient-related information is the property of the UFVH and that posting of such information on social networking websites, such as Facebook and Twitter, is prohibited. Examples of restricted information include, but are not limited to, patient images or videos, patient records, information from or about referring veterinarians, and similar protected information. Violations of this policy are considered to be a serious infraction of UFCVM and UFVH policies and violators will be referred to the Academic Advancement Committee for investigation and appropriate disciplinary action.
**Policy for Children and Guests in the UF Veterinary Hospital**

Guests (adults or children) at the UFVH must be accompanied by a responsible faculty member, house officer, student or staff member at all times when they are in any non-public area(s). Guests should not be present during animal care or treatment procedures and are not allowed in the barns, wards, ICU or isolation areas of the UFVH. In addition, guests may not be present at hospital activities where their presence could cause distraction or disruption of clinical operations.

**Policy on use of Cell Phone in Classroom and Patient Care Areas**

Students are expected to act appropriately and professionally in all classroom and clinical settings. The use of mobile devices may be appropriate, if respect for colleagues, faculty, and patients is observed. During lectures, conferences, or engaged in patient care activities in the hospital and clinics students should:

1. Turn all electronic devices including cell phones to silent/vibrate.
2. Refrain from text messaging, checking email, talking on the phone or using the internet for non-patient care/educational activities

**Student Dress Code**

When competing for professional and economic recognition, success is largely determined by public perception of our competence, self-confidence, professional pride, and caring attitude. These perceptions are often based on first impressions of appearance and communication skills. We present our knowledge, clinical competence, concern for the feelings of people and their animals, and general professionalism through the way we act, speak, write, and dress.

In order to ensure professionalism and to address health and safety issues, a dress code is enforced for all students involved in college activities (on campus and off campus). Please note that the dress code differs according to the activity. It is expected that all students wear:

- Professional clothing without rips or tears
- Trimmed, clean, and groomed hair (including beards and mustaches. Please avoid extreme hairstyles.)
- Simple jewelry and piercings
- Tattoos may be covered by clothing when possible
- No strongly scented perfumes, colognes, and aftershaves
- Nametags
- No advertisements on clothing unless advertisements are affiliated with the college, university, organized veterinary medicine (e.g. SCAVMA), and/or class year
- No political or humorous messages attached to clothing
- Footwear that is comfortable and protective. Flip flops are unacceptable.
  - Closed toe shoes are required when working with animals and in laboratories
  - Students working with large animals should wear hard-toed shoes

**Exceptions to the Dress Code**

- Dress code does not apply to sporting activities or to social and club events organized by the college
- Students may arrive at the college in casual clothes and change into suitable clothing upon arrival
- Provided the student does not intend to visit or be on duty in the large or small animal hospitals, the dress code does not apply to weekends or after hours (5:00 p.m. - 6:00 a.m.)
- Exception to the code may be made by instructors when activities requiring a different type of dress are necessary or appropriate

Instructors have the authority to enforce the dress code. If the standard of dress is deemed unacceptable to the instructor, a student may be asked to meet the set guidelines before being allowed to participate further in classroom or clinic activities. Any absence due to non-conformance should be made up. Class officers and the
student faculty communications committee are available to assist students in the interpretation of the dress code and will consult with the Dean of Students when necessary.

**Dress Code for Students in Class**

Students may select from the following dress options:

- Clean and neat slacks, knee-length shorts or skirts, professional denim
- Dress shirt, polo, collared or button down shirt, professional collar-less shirt
- Professional, solid color scrubs
- In cold weather, any sort of sweater or coat is acceptable except those bearing logos other than university/college/organized veterinary medicine affiliations
- Footwear should be clean, neat, and appropriate to the dress style selected. Professional open toed shoes are permitted according to the activity. Flip flops are not permitted.

Clothing deemed unacceptable:

- Gym Attire, Spandex, Old T-Shirts, Gym Shorts, etc.
- Pajamas
- Low-cut tops
- Excessively short skirt or short length
- Garments made of transparent fabrics

**Dress Code for Students on Clinical Rotations and Laboratory/Field Situations**

**Small Animal Hospital** — *white clinic jacket embroidered with UF logo, student name, and “class of” required*

- Professional attire should be worn regardless of whether it is a receiving or non-receiving day
- Clean and neat slacks, dress shirts, dresses, skirts
  - Surgery scrubs, blue jeans, T-shirts, tank tops, shorts, low-cut tops, excessively short skirts, and garments made of transparent fabrics are unacceptable.
- Footwear should be comfortable and protective
  - Sandals and open toe footwear are unacceptable
- White coats must be clean for receiving
  - Protective white coats should be Dura Press polyester combed cotton poplin
- If students are entering the small animal clinic at such times to provide treatment only, they are permitted to wear professional solid color scrubs

**Equine Hospital** — *large animal polo with UF logo (embroider) and name badge required*

- Students should wear khaki pants and uniform shirt with their name tag at all times
  - No jeans or shorts are permitted
- Protective footwear, such as leather boots, is recommended
  - No sandals or tennis shoes are allowed. Crocs may be worn in the operating rooms, but not in the barn or recovery.
- Surgery scrubs will be worn in Large Animal Surgery only and should be covered by a lab coat between entrances into the surgical suite.

**FARMS** — *clean coveralls*

- Students are expected to wear coveralls. A shirt may be worn underneath.
- Protective footwear (Washable leather or rubber boots must be available when recommended by clinician.)
- Rain and cold weather clothing may be worn when appropriate.

**Anatomic Pathology**

- Necropsy Facilities:
Surgery scrub suits will be worn when performing necropsies and special rubber boots must be worn when entering the necropsy room. Scrub suits and rubber boots will be provided by the Anatomic Pathology service. They should be left behind in the Pathology locker rooms when exiting the necropsy facilities.

- Other (clean) Areas of Anatomic Pathology Section:
  - Dress code as applicable for the Small Animal Hospital

Externships

- The above dress code, as appropriate to the activity, will apply to students on externships. The practice or institution hosting the student may have a more stringent or specific dress code, which must be observed.

Student Injury or Animal Bites

If the injury is life-threatening, 911 should be called and emergency medical care should be sought. CVM Security is available 24/7 in the case of an after-hours emergency (294-4444). If the injury is non-life threatening, students may seek medical care at the Student Health Care Center or their personal provider. Once the injury is stabilized, the student’s immediate supervisor at the time of injury will take primary responsibility to contact the Director of Student Affairs in OSI and CVM Security. The security office will facilitate the completion of the Injury and Incident Investigation Report (IIIR) by the immediate supervisor. An Animal Bite form will be completed and turned into the Florida Department of Health in order to track occurrences in the instance of a rabies outbreak; the Human Resources Office will facilitate this part of the process.

As students are required to maintain medical health insurance, the student is responsible for any costs associated with injury or accident while a student. Students should seek treatment and evaluation of the bite wound at the Student Healthcare Center or health care provider of their choice.

Student Participation on College Committees

Several college committees include students to increase student input into the decision making process. Students are unique resources for views and ideas which can improve the college. Each class elects two delegates to the Curriculum Committee. The dean will appoint one of these students as a full voting committee member. Each class elects two delegates to meet with the Student Faculty Communications Committee. All student officers and representatives are held to a high degree of professionalism in their conduct and communications.

CVM Student Organization Policies

The following policies address frequently asked questions related to student organizations. They provide general guidance for officers and advisors running student organizations, and should help to clarify college and university requirements and expectations for student organizations.

Registration

All CVM student organizations must maintain registration and officer training annually through UF’s Student Activities and Involvement (SAI). Information regarding registration and officer training can be found at https://www.studentinvolvement.ufl.edu/Home. SAI should be the primary point of contact for student organizations, officers, and advisors for questions regarding bank accounts, charters, constitutions, etc.

- Student organization registration opens on April 15th and closes on September 15th of every year. Existing clubs must re-register annually, or they will be deactivated and lose the privileges afforded registered student organizations.
- The current president and one other officer (either the vice president or the treasurer) must complete officer training through SAI by mid-October of each year, and submit proof of passing the exam to Emily Brantley in OSI (emilyjbrantley@ufl.edu) by October 15th of each year.

The CVM also requires that all of its student organizations (including local chapters of national associations and professional fraternities) provide OSI with a list of current officers and their contact information. These lists should include at least the name, email, and phone number for the organization’s president, vice president,
treasurer, and advisor, and should be submitted to Emily Brantley in OSI (emilyjbrantley@ufl.edu) by May 1st after organizational elections each year.

- The current president and one other officer must also attend the Fall CVM Student Organization Orientation to remain in good standing with the college for that academic year.
- Student organizations must conduct elections in April each year to ensure ample time for transitioning officers and accounts. The advisor is responsible for ensuring completion of the “Transition Checklist,” which will be emailed out on March 1st of each year. Checklists should be submitted to Mary Ring Miller in the Director’s Office (ringm@ufl.edu) by May 1st of each year.

Events and Programs

- All student organization events and programs that occur on campus (other than general organization meetings) require an “Event Permit” from SAI. To obtain one, log onto your organization’s GatorConnect page and submit an “Event Permit Request.”
- All student organization events and programs taking place in CVM facilities ALSO require a “CVM Event & Permissions Form.” These can be accessed through the SharePoint site by clicking on the “College Administration” tab under Table of Contents, and then click on “CVM Event and Permissions Form” under the tabs for Facilities and Documents. Submit completed forms to Mary Ring Miller in the Director’s Office (ringm@ufl.edu) at least 30 days prior to the planned event.
- Things to Remember:
  - Banned events include: raffles, gambling, bake sales, food sales, etc. (See https://www.studentinvolvement.ufl.edu/Student-Organizations/Organization-Resources/Policies/Fundraising-on-Campus for a complete list of event regulations)
  - Maintain an attendance list for each event.
  - Before submitting the “CVM Event & Permissions Form,” advisors must approve guest speakers and their topics. Advisors are encouraged to attend guest presentations in order to provide additional information and assistance when needed.
    - It is important that any and all guest speakers are included on this form so that OSI and the Office of the Dean are aware of who is coming.
  - Per UF policy, advertising events and programs is only allowed on open bulletin boards and kiosks. Posting on walls, windows, doors, etc. is prohibited.
  - All wet labs involving animals or animal tissue must have an IACUC and the appropriate faculty member present.
  - International travel must be coordinated through UF’s International Center and appropriate travel insurance purchased. See (http://www.ufic.ufl.edu/TravelRegistration.html) for more information.

Funds

- Banking:
  - Per UF policy, student organizations with their own bank accounts must have two signers on the organization’s bank account.
  - Monthly bank reconciliations will be performed by the treasurer.
    - For student organizations with annual expenses over $5,000, the advisor should review the bank reconciliation monthly.
    - For student organizations with annual expenses under $5,000, the advisor should review the bank reconciliation annually.
- Donations:
  - For student organizations soliciting donations over $5,000, this money should be routed through the University of Florida Foundation. The advisor will work with a Foundation officer to coordinate this. This also applies to student organizations with their own 501 C 3 or 501 C 6 statuses.
  - For student organizations soliciting donations under $5,000, this money can be deposited directly into the organization’s bank account.
• Sales:
  o Student organizations conducting cash sales must use a numbered receipt system.
  o Student organizations conducting more than three sales events, or conducting sales through an ongoing website, must register and submit sales tax to the state.

• Records:
  o Student organizations are responsible for keeping receipts, bank reconciliations, organization meeting minutes, and meeting attendance lists for at least one year after the most recent change of officers.
  o Student organization meeting minutes should include spending decisions, especially regarding monetary distributions to organization members.
  o Student organizations must submit an annual financial report (indicating sources of funds, uses of funds, gifts in kind, etc.). You will be emailed a spreadsheet template on March 1st of each year to use to complete and submit your report. Reports should be submitted electronically as live forms to Mary Ring Miller in the Director’s Office (ringmi@ufl.edu) by May 1st of each year.

• Per UF policy, student organizations that charge dues are not eligible to receive a budget from student government’s allocations.

• Per the UF SAI Handbook, student organizations must not violate UF policy or local, state, or national law. As such, advisors should be aware of the use of funds.

Advisor Commitment
Professional staff and faculty advisors should seek the approval of their department chair before committing to be an advisor to a student organization. This responsibility should be recorded as “service” and may involve considerable work time in support of an active organization. Faculty and staff members are protected by the university liability insurance policy for actions arising from work as advisors only if the advising of the organization is within their written job description or annual appointment notice.

• Advisors should plan to support a student organization for at least two years to provide continuity for the organization.

• Very active student organizations should consider having “senior” and “junior” advisors to ensure overlap, oversight, and continuity.

• Additional advisor resources can be accessed at:
  https://www.studentinvolvement.ufl.edu/Portals/1/Student%20Organizations/Student%20Org%20Advisors/UF_Faculty_Advisor_Handbook_2014-2015_FINAL.pdf and
  https://www.studentinvolvement.ufl.edu/Student-Organizations/Student-Organization-Advisors

Discipline
Per UF policy, all student organizations are subject to the rules of the University of Florida, as well as national, state, and local laws. Any violation may result in disciplinary sanctions against the organization and may include suspension or revocation of its registration, or use of CVM facilities. Officers failing to conduct business in a professional way may be removed from their organizational position.

Student Organizations
Per UF policy, all student organizations are subject to the rules of the University of Florida, as well as national, state, and local laws. Any violation may result in disciplinary sanctions against the organization and may include suspension or revocation of its registration, or use of CVM facilities. Officers failing to conduct business in a professional way may be removed from their club position. Please see the following website for University of Florida regulations and procedures for forming a new club or maintaining an existing club:
https://www.studentinvolvement.ufl.edu/Student-Organizations/Registration-Information

In addition, the CVM requires all clubs to provide OSI with a list of current officers and their contact information. Elections for officers must be held in April of each year and the new contacts submitted to OSI. Each club that has any monetary transactions must also submit an annual financial statement to the College. The Director’s Office will solicit a form requesting information from each Student Organization and it is the
The University of Florida's College of Veterinary Medicine Student Handbook

Currently Active UF CVM Student Organizations:

- Alpha Psi Fraternity
- Association of Reptilian and Amphibian Vets Student Chapter
- Aquatic Animal Health Club (UF AAHC)
- Canine Club
- Christian Veterinarian Fellowship
- CVM Public Health
- Evidence Based Veterinary Medicine
- Food Animal Club
- Full Spectrum Veterinary Alliance
- Holistic and Integrative Veterinary Medicine Club
- PAWS (Pets Are Wonderful Support)
- Project HEAL (Health Extension and Learning)
- SCAAEP (Student Chapter of the American Association of Equine Practitioners)
  - SCAAEP provides practical experiences with horses and exposes the veterinary student to proceedings of the AAEP. Meetings are held twice a month and include guest lecturers and wet labs. To join, contact an officer, the faculty advisor or a class representative for information on the next meeting
- SCAAFP (Student Chapter of the American Association of Feline Practitioners)
- SCAALAP (Student Chapter of the American Association of Laboratory Animal Practitioners)
- SCAHA (Student Chapter of the American Animal Hospital Association)
- SCAAV (Student Chapter of the Association of Avian Veterinarians)
- SCACVA (Student Chapter of the American College of Veterinary Anesthesiologists)
- SCACVR (Student Chapter of the American College of Veterinary Radiology)
- SCACVIM (Student Chapter of the American College of Veterinary Internal Medicine)
- SCASV (Student Chapter of the Association of Shelter Veterinarians)
- SCAVDS (Student Chapter of the American Veterinary Dental Society)
- SCACFP (Student Chapter of the American College of Veterinary Pathologists – aka Pathology Club)
- SCAVSAB (Behavior Medicine Club)
- SCAVMA
  - The Student Chapter of the American Veterinary Medical Association (SCAVMA) provides an opportunity for all students to gain additional professional knowledge. Through monthly programs concerning every aspect of professional life, students can further their understanding of professional ethics and conduct. Students are introduced to the benefits of organized veterinary medicine. SCAVMA's monthly meetings provide an opportunity for all four classes to meet and interact socially. SCAVMA organizes dances and parties during the year and sponsors the Annual Awards Banquet in the spring. In addition, students who graduate as members in good standing are automatically eligible for many benefits offered by the America Veterinary Medical Association. SCAVMA is dedicated to promoting friendly relations among the students and between the students, faculty and professional community.
  - To join SCAVMA, a student can come to a meeting and pay the dues or contact his or her student SCAVMA representative. To become a member in good standing, it is necessary to actively belong to a committee sometime during the four years of school and be a dues paying member. All students currently enrolled in the College of Veterinary Medicine are encouraged to become members and add another dimension to their professional education.

responsible of the officers to complete this task. The document for financial statements can be found here: https://vetmed-education.sites.medinfo.ufl.edu/files/2015/06/CVM-Student-Club-Funds-Spreadsheet.xlsx
Student Chapter of Veterinary Surgery Club
- SFT (Student Chapter of the Society for Theriogenology)
- SIVO
- SVECCS (Student Veterinary Emergency and Critical Care Society)
- VBMA (Veterinary Business Management Association)
- VMCC (Veterinary Medicine College Council)
- WZAAM (Wildlife, Zoological, Aquatic Animal Medicine Club)
  - This club represents the joint student chapters of The American Association of Zoo Veterinarians, Association of Avian Veterinarians and the American Association of Wildlife Veterinarians. The "Zoo Vet Club" provides an educational opportunity for students interested in the veterinary care of non-domestic species. Activities include monthly meetings with guest speakers, wet labs, field trips, visits to local zoological collections and social events. Meeting times are adjusted to exam schedules and will be announced.

Guidelines for Class Officers

The following is a suggested general outline concerning class procedures and organization:
- **Class Officers**
  - **President**
    - To preside over all meetings and to be a member of all standing and temporary committees
    - Time commitment: considerable
  - **Treasurer**
    - To open and sustain a class account, to collect dues and to pay all bills
    - Time commitment: moderate
  - **Secretary**
    - To keep minutes of class meetings, facilitating communications between class members
    - Time commitment: moderate
  - **SCAVMA representative**
    - To act as a liaison person between classes, SCAVMA and the college and to serve on SCAVMA Executive Board; to collect membership dues and collect money for and distribute class notes, ophthalmoscopes, and to keep the Office for Students and Instruction informed of SCAVMA activities and actions that concern the college, etc.
    - Time commitment: moderate to considerable
  - **College Council representatives (2)**
    - To serve as members of the College Council. The main function of this body is to make a budget and to spend the College of Veterinary Medicine’s share of student fee allocations.
    - Time commitment: minimal
  - **Student Faculty Communications Committee representatives (2)**
    - To serve as members of the Student Faculty Communications Committee, which is concerned with problems affecting the student body as a whole. Additionally, class representatives act as liaisons between the class and teaching faculty and administration on problems pertinent to the class.
    - Time commitment: minimal to moderate
  - **Curriculum Committee representatives (2)**
    - To attend and participate in meetings of the College Curriculum Committee as non-voting members. The dean designates one student representative, usually a fourth-year student, as a voting member.
    - Time commitment: moderate
- **Elections:** *Report all elected officers to the Office for Students and Instruction*
  - There will be two elections held by the first-year class:
    - The first election should be held on the first Thursday of the fall semester.
- A second election should be held at the last meeting of the fall semester. Officers elected at this time will serve until the first day of classes in the second-year.
  - Elections for the second, third and fourth-year class officers should be held at the last meeting of the preceding spring semester.
- Length of term
  - Terms for second, third and fourth-year officers will be for one year, beginning the first day of class in the fall semester and will extend until the first day of class in the following year.
- Social Committee
  - The social committee is appointed by the president.
- Class meetings
  - The class meetings are held at a date and time as determined by the president.
- Voting
  - All class issues will be decided by a simple majority vote.
  - If class officers decide that the issue is of sufficient importance, a two-thirds majority vote by all class members present will be needed.
- Dues
  - Dues are to be decided at the first meeting by a two-thirds majority of class members present.

XI. University of Florida Policies

The University of Florida policies apply to all students, faculty, and staff. Specific UF policies can be found at the following links.

Health Insurance Portability and Accountability Act (HIPAA)
To improve the privacy of personal health information, individuals working with patients and their health information are required to take a training course and sign a confidentiality agreement. See http://hr.ufl.edu/manager-resources/policies-2/hipaa/, for additional information.

The Family Education Records and Privacy Act (FERPA)
The U.S. Department of Education summarizes the rights afforded to students by FERPA as:
- The right to inspect and review educational records within a reasonable period of time and no more than 45 days after the institution has received the request
- The right to request to amend inaccuracies in educational records
- The right to limit disclosure of some personally identifiable information
- The right to file a complaint if the students feel that FERPA rights have been violated.

Additional information about FERPA is located on the UF Privacy website, see http://privacy.ufl.edu/privacy/studentfaculty/.

Sexual Harassment
In accordance with federal and state law, the university prohibits discrimination on the basis of sex, including sexual harassment. A definition of sexual harassment, reporting advice, sex discrimination, sexual harassment, and harassment brochure, and frequently asked questions about sexual harassment is located on the UF Institutional Equity and Diversity website, https://transitions.dso.ufl.edu/programs/campus-clarity-think-module/.

Faculty, students and staff are required to complete an online training module about prevention of sexual harassment. Students exposed to situations that are deemed uncomfortable due to possible sexual harassment should report the circumstances to the Dean of Students or other authority figure. No retaliation for seeking advice or reporting a potential incident will be allowed.
Policy on Religious Holidays

The College of Veterinary Medicine respects students’ observance of major religious holidays. If an instructor has an attendance policy limiting the number of absences, reasonable alternative means shall be established by the instructor to satisfy the attendance policy and accommodate the religious obligations of the student.

Student Grievance Procedure

The College of Veterinary Medicine is committed to a policy of treating all members of the college community fairly in regard to their personal and professional concerns. In order to ensure that students know what to do when they need to resolve a problem, the following procedure is provided (Reference FAC6C1-4.12):

1. A grievance is defined as dissatisfaction occurring when a student feels or thinks that any condition affecting him/her is unjust, inequitable or creates unnecessary hardship. Such grievances include, but are not limited to, the following:
   a. Academic problems (excluding all matters involving academic performance or progress; refer to section on Procedures for Implementing Advancement and Probation Rule);
   b. Mistreatment by any University employee; and
   c. Wrongful assessment and processing of various fees, records and registration errors, student employment and discrimination because of race, gender, sexual orientation or handicap.

2. The initial phase of the student grievance procedures requires a discussion between the student and the person(s) alleged to have caused the grievance. The meeting should be held within three class days after the student first becomes aware of the act or condition that is the basis for the grievance. If the student considers the response to this discussion to be unsatisfactory, the grievance should be put in writing and filed with the next level supervisor (department chairperson, chief of staff, or dean).

3. Any student who is not satisfied with the response after using the administrative channels outlined above should present the grievance in written form to the vice president for health affairs with a copy to the individual complained against. At this time, the student may choose to have the vice president decide the disposition of the grievance or the student may choose to have a fact-finding panel formed to investigate the case.
   a. The fact-finding panel will, within 10 calendar days, meet with parties involved and hear all sides of the situation. Within 15 calendar days after formation, it will prepare a written report for the vice president of the panel's findings as to the validity of the grievance.
   b. The vice president will render a written decision to the aggrieved party. The report will be made within five calendar days after the vice president reviews the case or receives the report of the fact-finding panel.

4. The president’s designee, which is the vice president for academic affairs, shall be the final appeal, but only after prescribed administrative channels and grievance procedures have been exhausted. The vice president for academic affairs shall review the matter and decide what action, if any, should be taken.

Student Healthcare Center

The Student Health Care Center provides a variety of services, including primary medical care, health education, health screening programs and mental health consultation and counseling. It is housed in the Infirmary, which is located on the main campus. The student health fee, which is paid by registered students, covers many professional services, but it does not cover hospitalization, laboratory tests, x-rays, drugs, etc.

Neither the college nor the university carries medical insurance to cover student accidents. In light of the risks and hazards inherent in veterinary medical education and the potential for veterinary student accident and or injury, it is necessary for each student to be covered by some form of major medical health insurance. If a veterinary student is hurt or injured during the veterinary curriculum, the student needs individual insurance coverage for the expenses associated with any required medical care, including emergency care, as the college will not cover these expenses for students.
Mandatory Health Insurance

Effective Summer B 2014 (June 30, 2014 and beyond), all newly admitted or re-admitted University of Florida students who are enrolled at least half time in a degree-seeking program and are attending any campus of the University of Florida are required to show proof of adequate health insurance as a condition of enrollment. The program allows students and their families to retain the freedom to purchase insurance in the marketplace or through the University-sponsored plan.

This requirement also applies to existing students who complete a degree and move to a new degree-seeking program (e.g. from bachelor's to master's). More information including insurance coverage guidelines, frequently asked questions, how to submit one's insurance information and more, can be found at http://studentinsurance.shcc.ufl.edu.

You must submit your health insurance policy information to the University via http://studentinsurance.shcc.ufl.edu. If you do not have health insurance information submitted by the deadline (August 1st, 2014), then you will be automatically enrolled in a UF sponsored health insurance program.

How does this affect financial aid?

If you select the UF insurance program or are added by default, your insurance fees (prorated by registered semester) will be added to your charges due account. You must select the correct box on your FAFSA stating ALL fees (not just tuition) will be deducted from your aid amount. If you do not do this, then any additional fees assessed by the University WILL NOT be automatically deducted from your aid disbursement.

This is problematic if you forget or don't pay your fees, as you will not be allowed to register for future courses and holds will be added to your student record. This can disrupt your access to transcripts and other records with the student services system One.UF. https://one.uf.edu/
X. College Information

Organization of the College

The College of Veterinary Medicine is one of six colleges in the Health Science Center (HSC) of the University of Florida. It is also associated with the University of Florida Institute of Food and Agricultural Sciences (IFAS). The college is organized to carry out its responsibilities of instruction, research, service, and extension. Physically, it is primarily located in three areas of the university campus. There are three main areas of the College of Veterinary Medicine:

- The Veterinary Hospitals (UFVH) and the Veterinary Academic Building (VAB) house the clinical teaching hospital, the college administration, and several other departments.
- The Basic Science Building (BSB), which is located adjacent to the Health Center complex, houses teaching laboratories and one department.
- The College of Veterinary Medicine IFAS Animal Research Facility houses part of one department and some of the research animal space.

Administration

The college administration is headed by the dean, who is closely assisted by the executive associate dean. Three offices function under the dean to administer specific responsibilities. These are the Office for Students and Instruction, The office for Clinical Services and the Office of Research and Graduate Studies.

- The Office for Students and Instruction is responsible for professional student admissions, student advancement, financial aid, and registration. It coordinates the professional curriculum and assists faculty in their instruction. It is headed by the Associate Dean for Academic and Student Affairs.
- The Office for Clinical Services is responsible for oversight and management of the UF Veterinary Hospitals. It ensures effective delivery of outstanding patient/client-centered care, meets the needs for clinical training of professional students and provides an effective environment for clinical research. This office is headed by the Associate Dean for Clinical Services and the Chief Medical Officer.
- The Office of Research and Graduate Studies handles the administration of extramural research grants and contracts awarded to faculty, residents, graduate students, and veterinary students. The Office of Research and Graduate Studies also conducts intramural grant competitions for funding of proposals from faculty, residents, and veterinary students, and it assists the departments in the administration of college graduate programs. Both the MS and PhD degrees in the College of Veterinary Medicine are offered. This office is headed by the Associate Dean for Research and Graduate Studies.

Committees and Councils

A variety of groups, including councils and committees, have been established to increase input into the decision making process. The faculty at the College of Veterinary Medicine makes up one group. The faculty elects the Faculty Council with two members from each academic department. The dean, associate deans, and department chairmen constitute the Administrative Council. The dean also appoints standing and ad hoc committees that advise the dean on specific areas of responsibility.

Several college committees include students to increase student input into the decision making process. Students are unique resources for views and ideas that can improve the college. Each class elects two delegates to the Curriculum Committee. The dean will appoint one of these students as a full voting committee member. Each class elects two delegates to meet with the Student Faculty Communications Committee.
### Departments
- Department of Comparative, Diagnostic and Population Medicine (CDP)
- Department of Infectious Diseases and Immunology (IDI)
- Department of Large Animal Clinical Sciences (LACS)
- Department of Physiological Sciences (PS)
- Department of Small Animal Clinical Sciences (SACS)

### Hospital
The veterinary hospitals are administered under the Dean by the Associate Dean for Clinical Services and Chief Medical Officer. This individual is responsible for the professional services of the teaching hospital. Fiscal services are administered by the director of medical health administration. Each service in the hospital is headed by a service chief that is responsible for the service and teaching functions of the service.

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<th>Hospital Services</th>
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<td>• Anesthesiology</td>
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<td>• Anatomic Pathology</td>
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<td>• Clinical Pathology</td>
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<td>• Dermatology</td>
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<td>• Emergency Medicine – Gainesville</td>
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<td>• Emergency Medicine - Ocala</td>
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<td>• Equine Theriogenology</td>
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<td>• Food Animal Reproduction and Medicine Services (FARMS)</td>
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<td>• Integrated Medicine</td>
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<td>• Large Animal Medicine</td>
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<td>• Large Animal Surgery</td>
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<td>• Neurology</td>
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<td>• Oncology</td>
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<td>• Ophthalmology</td>
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<td>• Outpatient Medicine and Dentistry</td>
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<td>• Radiology</td>
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<td>• Practice Based Equine Medicine</td>
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<td>• Veterinary Community Outreach</td>
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<td>• Small Animal Medicine</td>
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<td>• Small Animal Practice Based Medicine</td>
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<td>• Small Animal Surgery</td>
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<td>• Zoological Medicine</td>
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# Officers of the College

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<thead>
<tr>
<th>College Administration</th>
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<tbody>
<tr>
<td>Dean</td>
<td>Dr. James Lloyd</td>
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<tr>
<td>Executive Associate Dean</td>
<td>Dr. Tom Vickroy</td>
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<tr>
<td>Associate Dean for Academic and Student Affairs</td>
<td>Dr. Juan Samper</td>
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<tr>
<td>Associate Dean for Clinical Services and Chief Medical Officer</td>
<td>Dr. Dana Zimmel</td>
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<tr>
<td>Associate Dean for Research and Graduate Studies</td>
<td>Dr. Ammon Peck</td>
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<tr>
<td>Director, Student Affairs</td>
<td>Dr. Amanda House</td>
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<tr>
<td>Director, Medical/Health Administration</td>
<td>Mr. John Haven</td>
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<th>Academic Department Chairs</th>
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<tr>
<td>Comparative, Diagnostic and Population Medicine</td>
<td>Dr. Michael Schaer (interim)</td>
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<tr>
<td>Infectious Diseases and Immunology</td>
<td>Dr. Daniel Brown (interim)</td>
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<tr>
<td>Large Animal Clinical Sciences</td>
<td>Dr. Carlos Risco</td>
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<tr>
<td>Physiological Sciences</td>
<td>Dr. Paul Cooke</td>
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<td>Small Animal Clinical Sciences</td>
<td>Dr. Rowan Milner</td>
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<tr>
<th>Clinical Service Course Coordinators</th>
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<tr>
<td>Anesthesiology</td>
<td>Dr. Luisito Pablo</td>
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<tr>
<td>Applied Pathology</td>
<td>Dr. Lisa Farina</td>
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<tr>
<td>Cardiology</td>
<td>Dr. Simon Swift</td>
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<td>Dermatology</td>
<td>Dr. Dunbar Gram</td>
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<td>Emergency Medicine</td>
<td>Dr. Bobbi Connor</td>
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<td>Equine Theriogenology</td>
<td>Dr. Audrey Kelleman</td>
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<td>Integrative Medicine</td>
<td>Dr. Justin Shmalberg</td>
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<td>Lab Animal Medicine</td>
<td>Dr. Harvey Ramirez</td>
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<td>Large Animal Medicine</td>
<td>Dr. Chris Sanchez</td>
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<tr>
<td>Large Animal Surgery</td>
<td>Dr. Alison Morton</td>
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<tr>
<td>Microbiology, Parasitology and Serology</td>
<td>Dr. Jim Wellehan</td>
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<tr>
<td>Neurology</td>
<td>Dr. Shelia Carrera-Justiz</td>
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<td>Oncology</td>
<td>Dr. Carlos Souza</td>
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<td>Specialty</td>
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<td>Ophthalmology</td>
<td>Dr. Ralph Hamor</td>
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<td>Outpatient Medicine and Dentistry</td>
<td>Dr. Francesca Griffin</td>
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<td>Dr. Erin Porter</td>
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<tr>
<td>Shelter Practice Clerkship</td>
<td>Dr. Larry Garcia</td>
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<td>Shelter Sterilization/Pop. Management (Miami-Dade)</td>
<td>Dr. Larry Garcia</td>
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<td>Dr. Andrew Specht</td>
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<td>Practice Based Equine Clerkship</td>
<td>Dr. Amanda House</td>
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<td>Practice Based Small Animal Clerkship</td>
<td>Dr. Wendy Mandese</td>
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<td>Poultry Medicine Clerkship</td>
<td>Dr. Gary Butcher</td>
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<td>Small Animal Surgery</td>
<td>Dr. Gary Ellison</td>
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<td>Veterinary Community Outreach</td>
<td>Dr. Natalie Isaza</td>
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<tr>
<td>Zoological Medicine</td>
<td>Dr. Darryl Heard</td>
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### Committee Chairs

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<tr>
<th>Committee</th>
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<tbody>
<tr>
<td>Academic Advancement Committee</td>
<td>Dr. Natalie Isaza</td>
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<tr>
<td>Administrative Council</td>
<td>Dr. James Lloyd</td>
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<tr>
<td>Admissions Committee</td>
<td>Dr. Pamela Ginn</td>
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<tr>
<td>Awards and Scholarship Committee</td>
<td>Dr. Pamela Ginn</td>
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<tr>
<td>Curriculum Committee</td>
<td>Dr. Chris Martyniuk</td>
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<tr>
<td>Energy, Safety, and Biohazard Committee</td>
<td>Dr. Karen Scott</td>
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<tr>
<td>Faculty Council</td>
<td>Dr. Jorge Hernandez</td>
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<td>Graduate Studies Committee</td>
<td>Dr. Ammon Peck</td>
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<tr>
<td>Library Committee</td>
<td>Dr. Maureen Long</td>
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<td>Multicultural/Special Programs</td>
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<td>Promotion and Tenure Committee</td>
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<tr>
<td>Research Committee</td>
<td>Dr. Mary Brown</td>
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<tr>
<td>Residency Committee</td>
<td>Dr. Chris Sanchez</td>
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<tr>
<td>Student Faculty Communications Committee</td>
<td>Dr. Travis Lanaux</td>
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