

1. **VEM5003, End of Life Issues in Veterinary Medicine**
Course Coordinator: [Dr. K. Harrison](#)
Required Text(s):
 - Course notes, SCAVMARecommended Resources(s):
 - *Treatment and Care of the Geriatric Veterinary Patient*. Author: M. Garder & D. McVety (1st ed.)
 - *Veterinary Euthanasia Techniques: A Practical Guide*. Authors: K. Cooney, J. Chappell, R. Callan, & B. Connally
 - AVMA Guidelines for the Euthanasia of Animals: 2013 Edition
(<https://www.avma.org/KB/Policies/Documents/euthanasia.pdf>)
 - *When Helping Hurts: Compassion Fatigue in the Veterinary Profession*. Author: K. Ayl (2013)
 - *Veterinary Euthanasia Techniques: A Practical Guide* Authors: K. Cooney, J. Chappell, & R. Callan (2012)
 - International Companion Animal Management Coalition
The Welfare Basis for Euthanasia of Dogs and Cats in Policy Development
(<http://www.icam-coalition.org/downloads/ICAM-Euthanasia%20Guide-ebook.pdf>)

2. **VEM5035, Veterinary Business Management***
Course Coordinator: [Dr. M. Mallicote](#)
Required Text(s):
 - Course Notes, SCAVMA

3. **VEM5144, Large Animal Applied Microbiology****
Course Coordinator: [Dr. M. Long](#)
Required Text(s):
 - Course Notes, SCAVMA

4. **VEM5154, Large Animal Parasitology****
Course Coordinator: [Dr. H. Walden](#)
Required Text(s):
 - *Veterinary Clinical Parasitology*, Authors: Zajac & Conboy (2012, 8th ed.)
 - *Georgi's Parasitology for Veterinarians*, Authors: Bowman & Saunders (2013, 10th ed.)
NOTE: DO NOT BUY "Outlines & Highlights for Georgi's Parasitology for Veterinarians"
 - Course Notes, SCAVMA

5. **VEM5165, Large Animal Pathology****
Course Coordinator: [Dr. W. Castleman](#)
Recommended Text(s):
 - Course Notes, SCAVMA

6. **VEM5208, Complementary and Alternative Veterinary Medicine**
Course Coordinator: [Dr. J. Shmalberg](#)
Required Text(s):
 - Online course notes

7. **VEM5242, Small Animal Ophthalmology**
Course Coordinator: [Dr. D. Whitley](#)
Required Text(s): Online Course Notes, SCAVMA
Recommended Text(s):
 - *Essentials of Veterinary Ophthalmology*, Author: Gelatt (3rd ed.)
 - *Slatter's Fundamentals of Veterinary Ophthalmology*, Authors: Maggs, Miller & Ofri, (5th ed.)
 - *Veterinary Ophthalmic Surgery*, Gelatt & Gelatt (2011, 1st ed.)

8. **VEM5262, Advanced Small Animal Diagnostic Imaging****
Course Coordinator: [Dr. R. Giglio](#)
Required Text(s):
 - Online course notesRecommended Text(s):
 - *Atlas of Small Animal Ultrasonography*, Author: Pennick

9. **VEM5274, Equine Reproduction**
Course Coordinator: [Dr. M. Macpherson](#)
Required Text(s):
 - *Manual of Equine Reproduction*, Authors: Brinsko, Blanchard, Varner, Schumaker, & Love (3rd ed.)
 - Course Notes, SCAVMARequired Equipment:
 - Boots, coverallsStrongly Recommended Text(s):
 - *Equine Reproduction*, Authors: McKinnon, Squires, Vaala & Varner (2nd ed.)

10. **VEM5288, Small Animal Clinical Pharmacology****
Course Coordinator: [Dr. A. Lejeune](#)
Required Text(s):
 - Course Notes, SCAVMA

11. **VEM5308, Veterinary Medical Oncology**
Course Coordinator: [Dr. R. Milner](#)
Required Text(s):
Course Notes, SCAVMA
Recommended Text(s):
 - *Cancer Management in Small Animal Practice*, Author: Henry (1st ed.)

12. **VEM5311, Avian Medicine and Surgery**
Course Coordinator: [Dr. D. Heard](#)
Required Text(s):
 - Course Notes, SCAVMA

13. **VEM5313, Poultry Diseases**
Course Coordinator: [Dr. C. Romero](#)
Required Text(s):
 - Course Notes, SCAVMA

14. VEM5335, Equine Internal Medicine**

Course Coordinator: [Dr. R. MacKay](#)

Required Text(s):

- Course Notes, SCAVMA

Recommended Text(s):

- *Current Therapy in Equine Medicine*, Author: E. Robinson (7th ed.)
- *Large Animal Internal Medicine*, Author: Smith (5th ed.)
- *Equine Internal Medicine*, Authors: Reed, Bayly & Sellon (3rd ed.)

15. VEM5363, Diseases of Laboratory Animals

Course Coordinator: [Dr. H. Ramirez](#)

Required Text(s):

- Course Notes, SCAVMA

16. VEM5377, Marine Mammal Medicine

Course Coordinator: [Dr. M. Walsh](#)

Required Text(s):

- Course Notes, SCAVMA

Recommended Text(s):

- *Zoo and Wild Animal Medicine*, Authors: Fowler & Miller (7th ed.)
- *Handbook of Marine Mammal Medicine*, Authors: Dierauf & Gulland (2nd ed.)

17. VEM5388, Advanced Small Animal Dermatology

Course Coordinator: [Dr. R. Marsella](#)

Required Text(s): Course Notes, SCAVMA

18. VEM5422, Equine Surgery and Lab**

Course Coordinator: [Dr. T. McCarrel](#)

Required Text(s):

- Course Notes, SCAVMA

Recommended Equipment:

- *Equine Surgery*, Authors: Auer & Stick (4th ed.)
- SCAVMA surgical instrument packs, gowns, sterile gloves, and drapes will be required for some laboratories

Recommended Text(s):

- *Diagnosis and Management of Lameness in Horses*, Authors: Ross & Dyson
- *Adams and Stashak's Lameness in Horses*, Authors: Stashak & Lippincott (6th ed.)

19. VEM5432, Advanced Small Animal Surgery**

Course Coordinator: [Dr. D. Lewis](#)

Required Text(s):

- *Small Animal Surgery*, Authors: Fossum & Mosby (4th ed.)
- Course Notes, SCAVMA

Recommended Text(s):

- *Brinker, Piermattei and Flo's Handbook of Small Animal Orthopedics and Fracture Repair*, Authors: Piermattei, Flo & DeCamp, (4th ed.)
- *Veterinary Surgery; Small Animal*, Authors: Tobias & Johnston, Elsevier

20. VEM5433, Advanced Small Animal Surgery Laboratory**Course Coordinator: [Dr. S. Kim](#)

Required Text(s):

- Course Notes, SCAVMA

Recommended Text(s):

- *Small Animal Surgery*, Author: Fossum (4th ed.)
- *Handbook of Small Animal Orthopedics and Fracture Repair*, Author: Piermattei (4th ed.)

21. VEM5473, Large Animal Anesthesiology**Course Coordinator: [Dr. F. Garcia-Pereira](#)

Required Text(s):

- Course Notes, SCAVMA

Recommended Text(s):

- *Veterinary Anesthesia*, Authors: Hall & Clark (10th ed.) (Print on demand)
- *Manual of Equine Anesthesia and Analgesia*, Authors: Doherty and Valverde

22. VEM5854, Advanced Clinical PathologyCourse Coordinator: [Dr. M. Leissinger](#)

Required Text(s):

On-Line Courses offered as listed below**1. VEM5371-Aquatic Animal Conservation Issues**Course Coordinator: [Dr. I. Larkin](#)**2. VEM5381-Shelter Animal Physical Health**Course Coordinator: [Dr. C. Crawford](#)

Required Text(s):

- Download a copy of ASV Guidelines for Standards of Care in Animal Shelters on line at <http://www.sheltervet.org/>
- *Infectious Disease Management in Animal Shelters*, Editors: K. Hurley and L. Miller (2009)
- *Shelter Medicine for Veterinarians and Staff*, Editors: L. Miller and S. Zawistowski, 2013, 2nd ed)

3. VEM 5510- Emerging and Exotic Diseases*Course Coordinator: [Dr. F. Maunsell](#)**4. VEM 5992 – Veterinary Business Special Project**Course Coordinator: [Dr. D. Zimmer](#)

* Required Courses (Veterinary Business and Professional Development & Emerging and Exotic Diseases)

** Essential Courses (Anesthesiology, Pharmacology, Microbiology, Parasitology, Pathology, Radiology, Medicine, and Surgery) must take either small OR large animal component during spring 2017 OR fall 2017