

1. **VEM5003, End of Life Issues in Veterinary Medicine**
Course Coordinator: [Dr. K. Harrison](#)
Required Text(s): Course notes, SCAVMA
Recommended 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 Material: Recorded PowerPoint Lectures and Assigned Reading Material
Recommended Texts:
 - *Equine Infectious Diseases* Editors: D.C. Sellon & M.T. Long (2nd ed.) OR
 - *Equine Internal Medicine*, Authors: Reed, Bayly & Sellon (3rd ed.) OR
 - *Veterinary Microbiology and Microbial Diseases* (PJ Quinn 2nd ed.) OR
 - *Clinical Veterinary Microbiology*: B. Markey et al. (2nd Edition)
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. J. Abbott](#)
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.)
 - *Ophthalmic Diseases in Veterinary Medicine, 2nd edition*, Authors: Martin, Pickett, Spiess, 2019 (2nd ed)
 - *Slatter's Fundamentals of Veterinary Ophthalmology*, Authors: Maggs, Miller & Ofri, 2018 (6th ed.)
 - *Color Atlas of Veterinary Ophthalmology, 2nd edition*, Gelatt KN, Plummer CE, 2017. (2nd 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 notes
Recommended Text(s):
- *Atlas of Small Animal Ultrasonography*, Editors: Pennick & d'Anjou (2015, 2nd ed)
 - *Small Animal Diagnostic Ultrasound*, Authors: Mattoon & Nyland (2014, 3rd ed)
9. **VEM5271, Small Animal Reproduction**
Course Coordinator: [Dr. A Kelleman](#)
Required Text(s):
- *Small Animal Endocrinology and Reproduction*, Editors: D.S. Greco & A.P. Davidson (2017 – eBook)
- Recommended Text(s):
- *Clinical Canine and Feline Reproduction, Evidence Based Answers* Authors: Kustritz, Wiley, Blackwell (2010 – out of print)
10. **VEM5274, Equine Reproduction**
Course Coordinator: [Dr. M. Macpherson](#)
Required Text(s):
- *Manual of Equine Reproduction*, Athors: Brinsko, Blanchard, Varner, Schumaker, & Love (3rd ed.)
 - Course Notes, SCAVMA
- Required Equipment:
- Boots, coveralls
- Strongly Recommended Text(s):
- *Equine Reproduction*, Authors: McKinnon, Squires, Vaala & Varner (2nd ed.)
11. **VEM5288, Small Animal Clinical Pharmacology****
Course Coordinator: [Dr. A. Lejeune](#)
Required Text(s): Course Notes, SCAVMA
12. **VEM5308, Veterinary Medical Oncology**
Course Coordinator: [Dr. A. Szivek](#) & [Dr. S. Bechtel](#)
Required Text(s): Course Notes, SCAVMA
Recommended Text(s):
- *Cancer Management in Small Animal Practice*, Author: Henry (1st ed.)
 - *Small Animal Clinical Oncology*, Author: Winthrow and MacEwen (5th ed.)
13. **VEM5311, Avian Medicine and Surgery**
Course Coordinator: [Dr. D. Heard](#)
Required Text(s): None

14. **VEM5313, Poultry Diseases**
Course Coordinator: [Dr. C. Romero](#)
Required Text(s): Course Notes, SCAVMA
15. **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 (4th ed.)
16. **VEM5363, Diseases of Laboratory Animals**
Course Coordinator: [Dr. E. Nunamaker](#)
Required Text(s): Course Notes, SCAVMA
17. **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.)
18. **VEM5388, Advanced Small Animal Dermatology**
Course Coordinator: [Dr. R. Marsella](#)
Required Text(s): Course Notes, SCAVMA
19. **VEM5422, Equine Surgery and Lab****
Course Coordinator: [Dr. T. McCarrel](#)
Required Text(s): Course Notes, SCAVMA
Recommended Equipment:
- *Equine Surgery*, Authors: Auer & Stick (4th or 5th ed.)
- 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.)
20. **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

21. 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.)

22. VEM5473, Large Animal Anesthesiology**

Course Coordinator: [Dr. L. Pablo](#)

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

23. VEM5854, Advanced Clinical Pathology

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

Required Text(s):

Online Courses**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 5992 – Veterinary Business Special Project

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

* Required Course (Veterinary Business and Professional Development)

** Essential Courses (Anesthesiology, Pharmacology, Microbiology, Parasitology, Pathology, Radiology, Medicine, and Surgery) must take either small OR large animal component during Spring 2019 OR Fall 2019