

1. VEM 5041– Contemporary Topics in Animal Welfare and Ethics

Course Coordinator: [Dr. A. House](#)

Required Text(s): Course notes, SAVMA

Recommended Text(s):

- *The Science of Animal Welfare*, Mellor, Patterson-Kane & Mellor.
- *An Introduction to Veterinary Medical Ethics: Theory & Cases*, Bernard Rollin.

2. VEM 5111 – Animal Systems II (four sections)

Course Coordinator: [Dr. C. Vulpe](#)

• VEM5111E –Reproduction

Course Coordinator: [Dr. Luis de Aguiar](#)

Required Text(s): Course notes, SAVMA

Recommended Text(s): *Pathways to Pregnancy and Parturition*, Phillip L. Senger, 3rd ed., 2015, Current Conceptions, Inc.

• VEM5111F –Musculoskeletal

Course Coordinator: [Dr. Y. Seven](#)

Required Text(s): Course notes, SAVMA

Recommended Text(s): *Berne and Levy Physiology*, Berne, Levy, Koeppen & Stanton, 6th ed. or 7th ed., Elsevier

• VEM5111G – Cardiovascular

Course Coordinator: [Dr. C. Hansen](#)

Required Text(s): Course notes, SAVMA

Recommended Text(s): *Berne and Levy Physiology*, Berne, Levy, Koeppen & Stanton, 6th ed. or 7th ed., Elsevier

• VEM5111H –Respiration

Course Coordinator: [Dr. P. Davenport](#)

Required Text(s): Course notes, SAVMA

Recommended Text(s): *Respiratory Physiology, the Essentials*, John West, 8th ed., by Lippincott

3. VEM 5112 – Animal Systems III (three sections)

Course Coordinator: [Dr. C. Vulpe](#)

• VEM5112I– Renal

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

Required Text(s): Course notes, SAVMA

Recommended Text(s): *Vander's Renal Physiology*, Eaton, 9th ed., McGraw-Hill (2018)

• VEM 5112J – Digestion

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

Required Text(s): Course Notes, SAVMA

Recommended Text(s):

- *Textbook of Veterinary Physiology*, J.G. Cunningham, 4th ed., W.B. Saunders (2002)
- *Berne and Levy Principles of Physiology*, Levy and Stanton 6th ed., (2005), Elsevier
- *Review of Veterinary Physiology*, LR Engelking, 1st ed, Teton NewMedia, WY (2002)

• VEM5112K–Large Animal Anatomy

Course Coordinator: [Dr. I. Aguirre](#)

Required Text(s): Course Notes, SAVMA

Recommended Text(s): *Textbook of Veterinary Anatomy*, K.M. Dyce, W.O. Sack, and C.J.G. Wensing, 4th ed., W.B. Saunders (2009) or 5th ed. (2007), Elsevier.

Required Equipment:

- Dissection instruments: #4 scalpel handle (w/ #22 blades), large Mayo scissors, large rat-toothed forceps, large serrated or smooth forceps, hemostat, blunt probe.
- Laboratory apparel: Lab coat or Coveralls; sturdy shoes with non-skid soles; sturdy gloves (rubber gloves are ideal).

4. VEM5181– Radiology

Course Coordinator: [Dr. E. Huguet](#)

Required Text(s) and/or course materials:

- Course notes and material posted on Canvas
- Recorded lectures and discussions
- *Textbook of Veterinary Diagnostic Imaging*, Thrall DE, ed. 6th/7th ed. Elsevier, 2013,2018.

Recommended Text(s):

- *Atlas of Normal Radiographic Anatomy and Anatomic Variants of the Dog and Cat*, Thrall DE and Robertson I. 2nd ed. Elsevier, 2016.

5. VEM5202 – Supervised Patient Care and Clinical Skills II

Course Coordinator: [Dr. A. Stone](#)

Recommended Text(s): *Essential Calculations for Veterinary Nurses and Technicians*, Author: T. Lake & N. Green (3rd ed.)

6. VEM5220- Basic Veterinary Nutrition

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

Required Text(s): Course Notes, SAVMA

Recommended Text(s): Some* are available on line through the UF library

- *Nutrient Requirements of Dog and Cat*, National Academy Press, Washington DC, (2006)
- *Nutrient Requirements of Horses*, National Academy Press, Washington DC (2007)*
- *Nutrient Requirements of Dairy Cattle*, National Academy Press, Washington DC (2001)*
- *Canine and Feline Nutrition: A Resource for Companion Animal Professionals*, Kindle Edition. Case, Daristotle, Hayek and Raasch
- *Harpers Illustrated Biochemistry**