

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 Coordinators: [Dr. M. Pozor](#)
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. P. Davenport](#)
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. P. Davenport](#)
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, 7th ed., McGraw-Hill (2009)

- **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. R. Johnson](#)
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. R. Giglio](#)
Required Text(s):
 - *Textbook of Veterinary Diagnostic Imaging*, Thrall DE, ed. 7th ed. Elsevier, 2017.Recommended Text(s):
 - *Atlas of Normal Radiographic Anatomy and Anatomic Variants of the Dog and Cat*, Thrall DE and Robertson I. 2nd ed. Elsevier, 2015.
 - *Guide to the Dissection of the Dog*, Evans and de Lahunta, 8th ed. Elsevier, 2017.
 - *Atlas of Small Animal Ultrasonography*, D. Pennick and MA d’Anjou (ed). 2nd ed, Wiley 2015

- 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**