

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 courses)  
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, 2<sup>nd</sup> ed., 2005, Current Conceptions, Inc.
  
  - **VEM5111F** –**Musculoskeletal**  
Course Coordinator: [Dr. L. Hayward](#)  
Required Text(s): Course notes, SAVMA  
Recommended Text(s): *Berne and Levy Physiology*, Berne, Levy, Koeppen & Stanton, 6<sup>th</sup> ed. or 7<sup>th</sup> ed., Elsevier
  
  - **VEM5111G** – **Cardiovascular**  
Course Coordinator: [Dr. L. Hayward](#)  
Required Text(s): Course notes, SAVMA  
Recommended Text(s): *Berne and Levy Physiology*, Berne, Levy, Koeppen & Stanton, 6<sup>th</sup> ed. or 7<sup>th</sup> ed., Elsevier
  
  - **VEM5111H** –**Respiration**  
Course Coordinator: [Dr. P. Davenport](#)  
Required Text(s): Course notes, SAVMA  
Recommended Text(s): *Respiratory Physiology, the Essentials*, John West, 8<sup>th</sup> ed., by Lippincott
  
3. **VEM 5112** – **Animal Systems III** (three courses)  
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, 7<sup>th</sup> 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, 4<sup>th</sup> ed., W.B. Saunders (2002)
  - *Berne and Levy Principles of Physiology*, Levy and Stanton 6<sup>th</sup> ed., (2005), Elsevier
  - *Review of Veterinary Physiology*, LR Engelking, 1<sup>st</sup> 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, 4<sup>th</sup> ed., W.B. Saunders (2009) or 5<sup>th</sup> 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):
  - Course Notes, SAVMA
  - *Textbook of Veterinary Diagnostic Imaging*, Thrall DE, ed. 7<sup>th</sup> ed. Elsevier, 2017.Recommended Text(s):
  - *Atlas of Normal Radiographic Anatomy and Anatomic Variants of the Dog and Cat*, Thrall DE and Robertson I. 2<sup>nd</sup> ed. Elsevier, 2015.
  - *Guide to the Dissection of the Dog*, Evans and de Lahunta, 8<sup>th</sup> ed. Elsevier, 2017.
  - *Atlas of Small Animal Ultrasonography*, D. Pennick and MA d’Anjou (ed). 2<sup>nd</sup> ed, Wiley 2015
  
- 5. **VEM5202 – Supervised Patient Care and Clinical Skills II**  
Course Coordinator: [Dr. A. Stone](#)  
[Joice Gardner](#)  
Recommended Text(s): *Essential Calculations for Veterinary Nurses and Technicians*, Author: T. Lake & N. Green (3<sup>rd</sup> 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*\*