1. **VEM 5041** – Contemporary Topics in Animal Welfare and Ethics  
   Course Coordinator: [Dr. A. House](mailto:Dr_A_House@_email.com)  
   Required Text(s): Course notes, SAVMA  
   Recommended Text(s):  
   - *An Introduction to Veterinary Medical Ethics: Theory & Cases*, Bernard Rollin.

2. **VEM 5111** – Animal Systems II (four courses)  
   Course Coordinator: [Dr. C. Vulpe](mailto:Dr_C_Vulpe@email.com)  
   
   - **VEM5111E** – Reproduction  
     Course Coordinator: [Dr. M. Pozor](mailto:Dr_M_Pozor@email.com)  
     Required Text(s): Course notes, SAVMA  

   - **VEM5111F** – Musculoskeletal  
     Course Coordinator: [Dr. L. Hayward](mailto:Dr_L_Hayward@email.com)  
     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. L. Hayward](mailto:Dr_L_Hayward@email.com)  
     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](mailto:Dr_P_Davenport@email.com)  
     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 courses)  
   Course Coordinator: [Dr. C. Vulpe](mailto:Dr_C_Vulpe@email.com)  
   
   - **VEM5112I** – Renal  
     Course Coordinator: [Dr. D. Bolser](mailto:Dr_D_Bolser@email.com)  
     Required Text(s): Course notes, SAVMA  
• VEM 5112J – Digestion  
  Course Coordinator: Dr. D. Freeman  
  Required Text(s): Course Notes, SAVMA  
  Recommended Text(s):  

• VEM5112K – Large Animal Anatomy  
  Course Coordinator: Dr. R. Johnson  
  Required Text(s): Course Notes, SAVMA  
  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  
  Recommended Text(s):  

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 (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  
   - *Harpers Illustrated Biochemistry*