1. VEM 5162 – Veterinary Systemic Pathology  
   Course Coordinator: Dr. L. Farina  
   Required Text(s): Course notes, SAVMA  
   Recommended Text(s): Pathologic Basis of Veterinary Disease (5th ed.), M.D. McGavin, James F. Zachary, Mosby 2012. **Will be placed on reserve.**

2. VEM 5204 – Supervised Patient Care and Clinical Skills IV  
   Course Coordinator: Dr. M. Mallicote  
   Recommended Text(s): Essential Calculations for Veterinary Nurses and Technicians, Author: T. Lake & N. Green (3rd ed.)

3. VEM 5241 – Ophthalmology  
   Course Coordinators: Dr. R. Hamor  
   Required Text(s): Course notes, SAVMA  
   Recommended Text(s): Essentials of Veterinary Ophthalmology, Gelatt, 3rd ed. (2014)

4. VEM 5251 – Emergency Medicine and Critical Care  
   Course Coordinator: Dr. B. Conner  
   Required Text(s): Course notes, SAVMA  
   Recommended Text(s):  
   - Fluid Therapy in Small Animal Practice, DiBartola SP, W.B. Saunders  
   - Small Animal Critical Care Medicine, Silverstein & Hopper, Elsevier

5. VEM 5286 – Veterinary Clinical Pharmacology  
   Course Coordinator: Dr. T. Lanaux  
   Required Text(s): Course notes, SAVMA  
   Recommended Text(s):  
   - Veterinary Pharmacology and Therapeutics. Riviere and Papich, new edition spring 2009

6. VEM 5305 – Veterinary Urology  
   Course Coordinator: Dr. A. Specht  
   Required Text(s): Course notes, SAVMA

7. VEM 5309 – Veterinary Gastroenterology  
   Course Coordinators: Dr. A. Gallagher & Dr. C. Sanchez  
   Required Text(s): Course notes, SAVMA  
   Recommended Text(s): Canine & Feline Gastroenterology, Washabau and Day, 2012, Elsevier
8. VEM 5384 – Veterinary Neurology  
   Course Coordinator: Dr. S. Carrera-Justiz  
   Recommended Text(s):  

9. VEM 5387 – Veterinary Dermatology  
   Course Coordinator: Dr. R. Marsella  
   Required Text(s): Course Notes, SAVMA  
   Recommended Text(s): Small Animal Dermatology, Muller, Kirk and Griffin, 6th ed., W.B. Saunders Co. (2001)

10. VEM 5402 – Fundamentals of Soft Tissue Surgery  
    Course Coordinator(s): Dr. B. Case  
    Required Text(s):  
    - Course Notes, SAVMA  
    Recommended Text(s):  
    - Equine Surgery, 3rd Ed., Auer & Stick, Saunders  
    Required Equipment:  
    - Surgical Scrubs  
    - Clean and comfortable closed-toe shoes  
    - Bandage scissors  
    - Stethoscope  
    - Rectal Thermometer

11. VEM 5440 – Fundamentals of Orthopedic Surgery  
    Course Coordinator: Dr. D. Lewis  
    Required Text(s):  
    - Course Notes, SAVMA  

12. VEM 5470 – Veterinary Anesthesiology  
    Course Coordinator: Dr. B. Gatson  
    Required Text(s):  
    - Course Notes, SAVMA  
    - Other Requirements: Scrub suit, stethoscope, penlight.  
13. **VEM 5504 – Veterinary Preventive and Production Medicine**

**Course Coordinator:** Dr. M Mallicote

**Required Text(s):** Course Notes, SAVMA

**Recommended Text(s):**
- *Dairy Production Medicine*, By Risco and Melendez, 1\textsuperscript{st} Ed (2011)
- *Large Animal Internal Medicine*, By Smith, 5\textsuperscript{th} Ed (2014) Elsevier
- *Rebuns’s Diseases of Dairy Cattle*, By Divers and Peek, 2\textsuperscript{nd} Ed (2007) Elsevier
- *Infectious Diseases of the Dog and Cat*, By Greene, 4\textsuperscript{th} Ed (2011) Elsevier