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

3. VEM 5241 – **Ophthalmology**  
   Course Coordinators: **Dr. D. Whitley**  
   Required Text(s): Course notes, SAVMA  

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):  

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

7. VEM 5309 – **Veterinary Gastroenterology**  
   Course Coordinators: Dr.’s **A. Gallagher** and **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  

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 shoes  
      - Surgical Packs from SAVMA  
      - 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. F. Garcia-Pereira  
    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, 1st Ed (2011)