Clinical Pathology Elective

Week 1 & 2: 8:00 a.m. – 12:00 p.m.  
(20-40 students)

Week 17 & 18: 9:45 a.m. – 11:45 a.m.  
(8-16 students)

Class does not meet on Memorial/Labor Day if included in these rotations
Goals:
Clinical competencies

- Develop concise problem list
  - Identify major problem(s)
  - Understand pathophysiologic mechanisms
- Develop list of differential diagnosis
- Develop diagnostic plan
- Interpret results of diagnostic testing & make logical diagnosis
- Systematically summarize case material
- Recognize, correct & learn from errors
- Effective communications skills
Topics

- **Hematology**: anemia, leukogram, cytopenia, bone marrow
- **Biochemical profiles**: organ function, acid-base, electrolytes, minerals, endocrine
- **Urinalysis**
- **Coagulation**
- **Cytologic evaluation** (fluids, lymph nodes, inflammation, tumors)
Materials

- Case data (canine, feline, bovine, equine)
- Multi-headed scope reviews
- Microscopic evaluation in pairs
  - Glass slides (hematology & cytology)
  - Preserved urine sediments
Expectations

- Arrive on-time
- Prepare for class
- Participate in discussions
- Ask questions early and often