

**BIOL 3450/5450**  
Credit Hours 3-3-4

**ANIMAL/VERTEBRATE PHYSIOLOGY**  
Department of Biology

**Instructor:** Dr. Timothy J. Fort  
**Phone:** (229) 249-2643  
**Office Hours:** Tuesday 2.00 4.00 pm or by appointment

**Office:** BC 1100  
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**Lecture:** Tuesday and Thursday 11.00 am 12.15 pm BC 1025  
**Laboratory A:** Wednesday 10.00 am 12.50 pm BC 2070  
**Laboratory B:** Wednesday 2.00 pm 4.50 pm BC 2070

**Textbook:** Animal Physiology: R. W. Hill, G. A. Wyse and M. Anderson: 2<sup>nd</sup> Edition. 2008.

**Course Description 3450:** A study of animal physiology with an emphasis on mammalian organ systems. The molecular and cellular aspects of physiology as they relate to these systems are considered.

**Prerequisites:** BIOL1107, 1108, 3200, CHEM 1211/L & 1212/L, or permission of instructor.

**Course Description 5450:** Study of general physiological processes of vertebrates; emphasis at organ and organ system levels.

**Prerequisites:** Admission into the graduate program or permission of Instructor.

**Course Objectives:** By the end of this course, students will be expected to:

- (1) *Collect and analyze physiological data, and present the results and conclusions in written format.*
- (2) *Demonstrate an understanding of the cellular basis of physiology.*
- (3) *Relate the functioning of individual organ systems to the physiology of whole organisms.*
- (4) *Demonstrate competency in factual content and interpretation of the major concept areas of animal physiology.*

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**Attendance:** Attendance of lectures is expected of all students, but is not required. Attendance of laboratory classes is mandatory. Any student missing 2 scheduled laboratory classes, without an acceptable documented reason (determined by the instructor) will receive a failing grade for the course. Student attendance of classes will be recorded.

**Conduct:** Students are expected to arrive on time and behave in a professional manner.



