BIOL 3450: Animal Physiology
Syllabus
Summer 2014

Lecture (BC 1025): *Monday-Friday 11:00 a.m.-1:35 p.m.
Laboratory (BC 2070): *Monday-Friday 2:00-4:35 p.m.
* There may be days when we have lab period swapped with lecture period and vice versa.

Instructor: Dr. Theresa J. Grove
Office: BC 1099
Office hours: By appointment
Phone: 333-5336
Email: tjgrove@valdosta.edu (do not email me on Blazeview)

Prerequisites:
BIOL1107 and BIOL1108, CHEM 1212 or permission of Instructor.

Textbook: Animal Physiology: From Genes to Organisms, Sherwood et al. 2nd edition (978-0-8400-6865-1)

Pace: I will cover the same amount of content over 17 days (excluding weekends) this summer that I teach during a "regular" semester. Each lecture is approximately one week's worth of material from a 'regular' semester. Commit yourselves early, do not get behind, and focus. If you decided to take another class in parallel with Animal Physiology be prepared to have a busy 3 weeks; it was your decision.

Goals: In this course you will learn the basic principles of animal physiology. We will use a comparative approach to examine physiological systems at different levels of biological organization including organismal, organ system, organ, tissue, cellular and molecular levels. You will also learn to analyze and interpret data obtained during lab periods, and you will gain experience reading and interpreting scientific literature in diverse

Tentative Lecture Schedule

I reserve the right to modify this schedule including exam dates.

Day	Topic	Chapter
June 11	Introduction to Physiology, Cell and Molecular Physiology, Membrane Physiology	1, 2, 3
June 12	Neuronal Physiology Nervous Systems	4 5
June 13	Nervous Systems (cont'd) Sensory Systems	5 6
June 16	**Exam 1: 11:00-12:15 (Introduction thru Sensory Systems)** Endocrine Systems	 7
June 17	Endocrine Systems (cont'd) Muscle Physiology	7 8
June 18	Muscle Physiology (cont'd) Circulatory Systems	8 9
June 19	Circulatory Systems (cont'd) Defense Systems	9 10
June 20	**Exam 2: 11:00-12:15 (Endocrine Systems through Circulatory Systems)** Respiratory Systems	 11
June 23	Respiratory Systems (cont'd)	11