

BIOL 424  
Animal Physiology  
Fall 2009

Your Instructor:

Carl G. Castles, Ph.D.

Rm. 134 Science; 657- 2014

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Office Hours: Mon 1:30-3:00; Tues 10:00-11:30; Fri 1:00-2:15; or by appointment

Your Text:

*Principles of Animal Physiology* by Moyes, & Schulte, Second Edition.

It is critical for you to read the book, as the brevity of the semester dictates that I cannot possibly cover all of the necessary material in the lectures. When possible I will assign specific pages within the chapters. I will also make available for your use, CD-ROMs which you may find useful in re-enforcing the material covered in the course.

Your Grade:

Your grade in this course will be assigned based on your performance on written examinations. Because of the time compression of the semester, these exams will be taken outside of normal class periods. Students will be given up to three hours to complete the exam (this will be much more than enough time). Each exam may cover any material covered in the course up to that point. In other words, all exams may be considered cumulative.

Each exam will include essay questions, although some short answer, multiple choice, or matching questions may also appear. Not only will I be evaluating your grasp of the content of the course, but I will also pay attention to your writing in general. In other words, your grammar and style will also be taken into account when grading your exams.

The breakdown of your course grade (i.e., outcomes assessment) can be summarized as:

Exam 1	20%
Exam 2	20%
Exam 3	20%
Exam 4	20%
Exam 5	<u>20%</u>
	100%

Final letter grades will be assigned as follows:

A = 90-100	D = 60-69
B = 80-89	F ≤ 59
C = 70-79	

### Class Schedule\*

<u>Week</u>	<u>Topic(s)</u>	<u>Chapter</u>	<u>Noteworthy Events</u>
1	Homeostatic Regulation Membranes/Transport	1, 2	
2	Transport/ Neural Phys.	4	
3	Neural Phys.	4	
4	Neuron Communication Hormones	4, 3	Exam 1 (Chap 1; 2; 4)
5	Endocrine Regulation	3	
6	Sensory Phys	6	
7	Sensory/ Nervous System	6, 7	Exam 2 (→ Chap 6)
8	Nervous System	7	
9	Muscle	5	
10	Circulation	8	Exam 3 (→ Chap 7) Veteran's Day 11/11
11	Gas Exchange	9	
12	Ion/H <sub>2</sub> O Balance	10	Thanksgiving
13	Ion/H <sub>2</sub> O Balance	10	Exam 4 (→ Chap 9)
14	Digestion	11	
15	Finals Week		Exam 5

\* Schedule subject to change at discretion of the instructor.