

PCB 4723

ANIMAL PHYSIOLOGY

Spring 2018 Syllabus

**Instructor :** Mr. Frank T. Logiudice  
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**Required Materials:** *Animal Physiology*, 5<sup>th</sup> edition, by Randall, Burggren & French;  
W. H. Freeman and Company Publishing

**Website:** Webcourses

**Grades :** The student's grade will be determined by four lecture exams (worth 100 points each). Total lecture points available is 400.

Grading Scale:

A = 400 -> 360

B = 359 -> 320

C = 319 -> 280

D = 279 -> 240

F = 239 -> 0

Note: +/- grades are not used in this class.

**Academic Honesty:** Please refer to the UCF Golden Rule which will be rigidly adhered to.

**Attendance:** Due to the volume of material presented during this course, good attendance is a essential ! You alone are responsible for all missed work.

**Make - Up Policy:** Lecture exams may be made up at the instructor's discretion.  
(Note : Such is a rare event.)

**Preparation:** You are expected to be prepared for every class. That includes reading all assigned materials before each lecture and lab session.

**Important Dates:** Add/Drop Period – January 12/11  
Withdrawal Deadline – March 21

**Office Hours:** MWF 11:00-12:00 & by appointment

**LECTURE COURSE OUTLINE**

<b>Week</b>	<b>Subjects</b>	<b>Text Chapters</b>
Jan 7	Topic 1: Digestion and Metabolism	Ch. 15
Jan 14	Topic 2: Energy Expenditures, Part 1	Ch. 16
Jan 21	Topic 3: Energy Expenditures, Part 2	Ch. 17
Jan 28	Topic 4: The Physiology of Muscles	Ch. 10
Feb 4	Topic 4 continued	
Feb 11	Topic 5: Physical Basis of Neuronal Function	Ch. 5
Feb 18	Topic 6: Communication Along and Between Neurons	Ch. 6
Feb 25	Topic 7: The Organization of the Nervous System	Ch. 8
Mar 4	Topic 8: Sensing the Environment	Ch. 7
Mar 11	SPRING BREAK	
Mar 18	Topic 8 continued	
Mar 25	Topic 9: The Endocrine System	Ch. 9
Apr 1	Topic 10: Circulation	Ch. 12
Apr 8	Topic 11: Respiratory Physiology	Ch. 13
Apr 15	Topic 12: Osmotic and Ionic Regulation	Ch. 14
Apr 22	Topic 12 continued	Ch. 14

**TENTATIVE LECTURE EXAM SCHEDULE**

<b><u>Lecture Examination</u></b>	<b><u>Date</u></b>	<b><u>Lecture Exam Material</u></b>
One	January 31	Ch. 15, 16, & 17
Two	February 26	Ch. 10, 5, & 6
Three	April 4	Ch. 7, 8, & 9
Four	April 30 (1:30-2:20)	Ch. 12, 13, & 14

**NOTE :** The dates for these exams may need to be changed as the semester progresses. If such becomes necessary, you will be notified at the earliest possible time.