



COURSE INFORMATION SHEET
ZOOLOGY 261 – Human Physiology I

Tentative Course Outline and Schedule for Fall semester, 2007.

Pre-requisites : Biology 131 and 133.

Note: Credit for Zoology 261 and Zoology 169 will not be allowed

Instructor : Dr. Carol Gibbons Kroeker
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Text : Human Physiology: From Cells to Systems, 6th edition
Lauralee Sherwood
West Publication Co.

Note: You may substitute an earlier edition of the text for the course (or possibly another suitable Physiology text – but please check with me).

Learning Objectives:

1. Students will be able to discuss the anatomy and physiology of the basic human systems including the nervous, muscular, endocrine, and reproductive systems.
2. Students will learn laboratory techniques essential to research in physiology.
3. Students will learn laboratory techniques essential to research in physiology-related fields.
4. Students will collaborate with peers to design and carry out a research project and be able to present this in written and oral formats

Mark Distribution :

2 Midterm Exams	40%
Lab Reports / Assign.	20%
Final Exam	40%

This course consists of 3 hours of lectures per week, plus a 2-hour lab.

The midterm and final exam will be a combination of multiple choice questions, as well as short and long answer questions. While most questions will be based on lecture material, the textbook reading will absolutely help in the understanding of this material. Attendance at lectures will help ensure success on course exams and assignments.

<u>Dates</u>	<u>Topic</u>	<u>Text Chapters</u>
<u>Week of</u>		
Sept. 6	Introduction to Zoology 261 Homeostasis	1
Sept. 11	Cell Physiology	2
Sept. 18	The Cell Membrane Potential The action potential / synapses	3 4
Sept. 25	The Muscular system Somatic sensory system	8, 7
Oct. 2	Skeletal and Smooth muscle	8
Oct. 9	The Central Nervous system Midterm I	5
Oct. 16	Autonomic nervous system Central nervous system - Reflexes	7 /6
Oct. 23	General Senses – Receptors	6
Oct. 30	Special Senses – Ear / Eye / Pain	6
Nov. 6	Midterm II Special Senses	6
Nov. 13	The endocrine system Central – tropic hormones	18
Nov. 20	The endocrine system Peripheral glands	19
Nov. 29	Reproduction - Male	20
Dec. 4	Reproduction - Female	20
Dec. 11	Review	

Laboratory Schedule

Hand-outs will be given out before the labs each week. Lab topics will include: the nervous system, muscle system, endocrine system, and the senses.

Attendance at the laboratory sessions is **COMPULSORY**. Any lab missed without a valid excuse cannot be made up. A valid excuse (such as illness, death in the family etc.) must be validated by written proof from a doctor or counselor. Lab coats are not required.

The lab portion of this course will consist of 3 lab assignments and 2 lab reports worth 4% each.

Grading Scheme

A	90-100%	C	63-66%
A-	85-89%	C-	60-62%
B+	80-84%	D+	54-59%
B	76-79%	D	50-53%
B-	70-75%	F	Below 50%
C+	67-69%		