



**COURSE INFORMATION SHEET**  
**ZOOLOGY 263 – Human Physiology II**

Tentative Course Outline and Schedule for Winter semester, 2010.

Note : Credit for both Zoology 263 and 169 will not be allowed.

**Time:** Lectures – T / R 2:30-3:45  
Labs – R – 4:00- 6:30

**Instructor :** Dr. Carol Kroeker  
Office : A2156  
Phone: 571-2550, ext 5910  
Email: ckroeker@ambrose.edu

**Text :** Vander's Human Physiology: the Mechanisms of Body Function  
By Widmaier, Raff, and Strang. 10<sup>th</sup> ed.

Or: Human Physiology: From Cells to Systems, 6<sup>th</sup> 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 cardiovascular, immune, respiratory, digestive, and urinary systems.
2. Students will learn laboratory techniques essential to research in physiology.

**Mark Distribution :**

2 Midterm Exams	40%
Laboratory Reports	20%
Final Exam	40%

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

## TENTATIVE LECTURE SCHEDULE

WEEK OF	TOPIC	TEXTBOOK CHAPTER
Jan. 5	Blood/Hemostasis	12F (Sherwood- 11,12)
12	Immune System	18 (S- 12)
19	Cardiovascular System	12 A-E (S – 9, 10)
26	Cardiovascular System	12 A-E (S-9,10)
Feb. 2	Cardiovascular	12 A-E (S-9,10)
9	Exam I/ Respiratory	13
16	Reading Week	
23	Respiratory	13
Mar. 2	Renal and Electrolytes	14 (S- 14, 15)
9	Renal and Electrolytes	14 (S- 14, 15)
16	Exam II	
23	Digestion	15 (S- 16)
30	Digestion	15, 16 (S-16)
Apr. 6	Thermoregulation	16 (S-17)
13	Review	

**SUPPLEMENTARY REFERENCES:** Located in AUC library or at University of Calgary.

**Human Anatomy and Physiology** (3rd ed.)  
- A.P. Spence and E.B. Mason

**Human Physiology – The Mechanisms of body function** (5<sup>th</sup> ed)  
- Vander, Sherman, and Luciano

**Human Anatomy and Physiology** (7th ed.)  
- G.J. Tortora and S.R. Grabowski

**Human Physiology- Functions of the Human Body**  
- R.M. Durham

**Textbook of Medical Physiology** (9<sup>th</sup> ed)  
- A.C. Guyton

**Human Physiology** (5th ed.)  
- S.I. Fox

## **Laboratory Schedule**

Lab topics will include: Anatomy and Physiology of specific body system covered in this course – blood, immunity, cardiovascular, respiratory, urinary, digestive.

Labs will begin the week of January 14 and run alternate weeks through the term.

Tutorials will run on the weeks that do not have a lab session

Attendance at the laboratory sessions is **COMPULSORY**. Any lab missed without a valid excuse cannot be made up. Lab coats are not required.

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

Labs will involve the use of body fluids so proper lab techniques and safety precautions must be taken. Lab coats and gloves should be worn for these labs.

## **Grading Scheme**

A+	97-100%	C+	67-70%
A	90-96%	C	63-67%
A-	87-90%	C-	60-63%
B+	83-87%	D+	54-59%
B	77-83%	D	50-53%
B-	70-77%	F	Below 50%