

BIOSC 1080 Human Anatomy and Physiology

SUMMER 2003
M. T. Th. F 8:30 – 10:55
A214 LANGLEY HALL
6 CREDITS

INSTRUCTORS:

Dr. Laurel Roberts
L13 Clapp Hall
University of Pittsburgh
Phone: 624-4291
laurelb@pitt.edu
Office hours:
One hour *after* each
Class I lecture. Also
By appointment

Dr. Stephen R. Borecky
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Carlow College
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Office hours:
One hour *before* each
Class I lecture. Also
by appointment

SCOPE OF COURSE

This course is a comprehensive introduction to the study of human anatomy and physiology. The goal is to present a balance of chemical, cellular, histological, gross anatomical, physiological, and clinical information. The large amount of material that will be presented for your comprehension forms the foundation for a sound understanding of human structure and function.

Required text: Tortora and Grabowski - Introduction to the Human Body: The essentials of anatomy and physiology, John Wiley and Sons, Inc

GRADING POLICY

During this 8 week course we have scheduled 4 quizzes, 3 lecture exams and a final. Consult the syllabus for the dates. You will receive one letter grade for this course and this grade will be determined on the basis of 3 quizzes, 2 lecture exams, and the final. There will be a total of 425 available points distributed as follows: Each quiz is worth 25 points for a total of 75 points; each lecture exam is worth 100 points for a total of 200 points; the final is worth 150 points. If you take all 4 quizzes, we will drop the lowest quiz grade, if you take the 3 lecture exams, we will drop the lowest of these grades. All students are required to take the final, which is comprehensive.

There will be no make-up quizzes or make-up exams in this course.

Final letter grades will be determined by adding the numerical scores from 3 quizzes, 2 lecture exams and the final. Your final grade will be your total summed points as a percentage of the 425 points available in the course. No extra credit (papers, projects, etc.) can be earned.

Letter Grades:

A. 93-100%	B+ 87-89%	C+ 77-79%	D+. 67-69%
A- 90-92%	B 83-86%	C 73-76%	D 63-66%
	B- 80-82%	C-. 70-72%	D- 60-62%
			F 59% and below

The format for quizzes and lecture exams will be some combination of completion, multiple choice, true or false, and short essay type questions.

Make-up for final exam

Should an emergency arise that causes you to miss the final on July 3rd, you should not delay in contacting one of us by phone or by email, and you must submit to Dr. Roberts or Dr. Borecky, in writing, a request for an excused absence from the final date. This written request must include the appropriate supporting documentation (doctor's excuse, copy of an obituary, etc.) Should an excusable absence be granted, a make-up final will be arranged. Simply not showing up for the final is not allowable. If you do not receive from us an excused absence, you will receive a 0 for the missed final.

Our policy on granting "G" grades ("incomplete") is strictly by the book. "A G grade is to be given only when students who have been attending a course and have been making regular progress are prevented by circumstances beyond their control from completing the course after it is too late to withdraw" (see [The Bulletin](#)). A "G" grade will be granted if an emergency arises that prevents you from attending the final exam on July 3rd, 2003. Again, you must submit to us, in writing, a request for an excused absence (see above). Should a G grade be granted, the missed final will be made up at a time convenient to the instructors and the student.

Attendance

Attendance of the lectures is strongly urged, but ultimately it is at the discretion of the student. Missing lectures will hurt your course grade, not by direct penalization, but by compromising your comprehension of the extensive material covered in class. So make it a point to come to class.

Academic Conduct

The University of Pittsburgh's *Student Code of Conduct* prohibits all forms of academic dishonesty (Please refer to [The Bulletin](#), for an overview of student responsibilities and reference to University publications that explain student obligations of academic integrity). Academic misconduct (cheating or permitting another student to cheat) during exams will result in an F for the course and/or referral of the case to the Judicial System with the possible penalty of dismissal from the University.

Reminders:

1. Bring your textbook to each class meeting
2. If you have questions, ask your instructors for assistance
3. Majors and potential majors in the Department of Biological Sciences: To count as credit toward your major you may take either BIOSC 1080 or BIOSC 1250, but not both.

BIOSC 1080 - Lecture and Examination Schedule - Summer 2003

DATE

- 12-May Chapter 1 - Introduction, Basic themes in anatomy and physiology, homeostasis LR
and feedback control mechanism - Anatomical Terminology and body design LR
- 13-May Chapter 4 - Basic histology
Chapter 5- The integument LR
- 15-May Chapter 6 - Introduction to the skeletal system SB
Chapter 6 - Bone growth and development, the axial skeleton SB
- 16-May **QUIZ 1**
Chapter 6 - The appendicular skeleton SB
- 19-May Chapter 7 - Articulations and movements LR
Chapter 8 - Muscle tissue and muscle ultrastructure LR
- 20-May Chapter 8 - Mechanics of muscle contraction and regulation of muscle contraction LR
- 22-May
- 23-May **EXAM 1**
Chapter 8 - Organization of skeletal muscles and muscle movements LR
- 26-May Memorial Day - No Class**
- 27-May Chapter 9 - Organization of the nervous system, neural histology, and bioelectric events LR
- 29-May Chapter 9 - Continue nervous system physiology LR
- 30-May **QUIZ 2**
Chapter 9 - Synaptic conduction and neurotransmitters LR
- 2-Jun Chapter 10 - The central and peripheral nervous systems LR
- 3-Jun Chapter 10 - Complete CNS and PNS SB
Chapter 11 - The autonomic nervous system SB
- 5-Jun Chapter 11 - Complete the autonomic nervous system SB
- 6-Jun **EXAM 2**
Chapter 12 - Sensory receptors and characteristics of sensations SB
- 9-Jun Chapter 13 - The endocrine system LR
- 10-Jun Chapter 13 - Complete the endocrine system LR
- 12-Jun Chapter 14 - The cardiovascular system: The blood SB
- 13-Jun **QUIZ 3**
Chapter 15 - The cardiovascular system: The heart SB
- 16-Jun Chapter 15 - Complete cardiac physiology SB
- 17-Jun Chapter 16 - The cardiovascular system: Blood vessels SB
- 19-Jun Chapter 17 - The lymphatic system LR
- 20-Jun **EXAM 3**
Chapter 18 - Respiratory anatomy SB
- 23-Jun Chapter 18 - Respiratory physiology **SB**

24-Jun Chapter 19 - Digestive system anatomy LR

26-Jun Chapter 19 - Digestive system physiology LR

27-Jun **QUIZ 4**

Chapter 21 - Urinary system gross and microscopic anatomy SB

30-Jun Chapter 21 - Urinary system physiology and urine production SB

1-Jul Chapter 23 LR

3-Jul Final Exam