

Syllabus

General Human Physiology, Biol 241 C

Cypress College, CRN 13275

Tu/Th 4:30 p.m. – 5:50 p.m., Rm. SEM-215

Orientation Sheet, Fall 2007

Instructor: Joel R. Gober, Ph.D.

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Office: SEM – 265

Office Hours: M/W 10:00–11:00

Tu/Th 11:30 – 1:00

Required Materials: 1) Human Physiology, 10th ed., by Stuart Fox (Lecture Textbook),
Required

2) Integrate, by Spooner (Lab Manual), **Required**

3) PhysioEx 6.0 for Human Physiology Lab Simulations
(w/CD), by Stabler (Lab Manual), **Required**

4) Cypress College picture identification card.

CATALOG DESCRIPTION: 4 UNITS

Class hours: 3 hours lecture, and 3 hours laboratory per week

Prerequisite: BIOL 230 C or BIOL 231 C or BIOL 210 C

Corequisite: None

Recommendation/Advisory: High School Biology *and* Chemistry

This course is an in-depth study of human function. Special attention is given to the abnormal as well as the normal functional state.

INSTRUCTIONAL OBJECTIVES: Upon successful completion of this course the student will be able to

1. Describe homeostatic control mechanisms and their roles in regulation of body functions;
2. Describe the chemical and physical principles that underlie human physiology;
3. Understand the roles of the major biomolecules in physiological systems;
4. Understand energy production and utilization in biological systems;
5. Characterize the roles and interrelationships of all the tissues and organs;
6. Understand the major pathophysiological problems associated with the major tissues and organ systems;
7. Meet the prerequisites for more advanced courses.

ATTENDANCE:

- 1) You are required to attend each lecture and laboratory for the entire class session. Lab is scheduled for 3 hours a week. Attendance will be taken during each class meeting by sign-in sheet at the end of class. **It is each student's responsibility to sign the sign-in sheet to get credit for attendance.** Tardy students and those leaving before the end of class will be counted as absent.
- 2) The instructor may drop any student who misses more than a total of one week of class work. This means that you may be dropped from the course after missing 2 lectures and 1 lab (any 4 hours of class) plus any additional part of a lecture or lab class. After exceeding the attendance policy after the 14th week, no credit will be given for any additional work completed.
- 3) The last day to withdraw from the course without a grade and with a "W" is **November 21st**.
- 4) Students may be dropped from the course due to excessive absences, unsatisfactory academic progress or achievement, undesirable citizenship, cheating and other falsification of information.
- 5) If you must miss a class session, it is your responsibility to contact a fellow classmate and get the notes from them.
- 6) There is no need to call me and tell me you will be out unless there is an exam that day.

GRADING: The lecture instructor is the teacher of record and is responsible assigning your grade. The Lab instructor will forward your attendance, participation, and lab points to the lecture instructor. Lecture tests will be worth about 75% of your course grade and the laboratory will be worth about 25% of your course grade.

Lab Quizzes (160 points): Sixteen 10 point quizzes will be given during the semester. Some quizzes may have more than 10 questions. See the "Tentative Lab Schedule" for the dates and the topics of each quiz.

NO MAKE-UP QUIZZES WILL BE GRANTED.

Lecture Tests (500 points): Five 100 point tests will be given during the semester. Some tests may have more than 100 questions. A Cypress College picture identification card is required for the test.

NO MAKE-UP TESTS WILL BE GRANTED. See the "Tentative Lecture Schedule" for the dates and the topics of each test.

The course grading scale is:

A = 90.0% = 660 – 594 pts.

B = 80.0% = 593 – 528 pts.

C = 70.0% = 527 – 462 pts.

D = 55.0% = 461 – 363 pts.

F = Below 55.0% below 363 pts.

Homework/Take-Home Tests:

These rare opportunities may be assigned periodically at the instructor's discretion. If they are assigned, they must be turned in on time. No late work is accepted.

ADEMIC HONESTY POLICY:

college standards of academic honesty will be applied in this class. Cheating can not be tolerated, and will be penalized with an automatic failure on the test. Your name and infraction will be forwarded to the Dean of Science, Engineering, & Mathematics. You may fail the course, and be expelled from Cypress College. The policy may be found in the 2006-2007 College Catalog (pg. 8), the official publication addressing and guiding academic and student services policies See http://www.cypresscollege.edu/schedule/pdf/academic-honesty_2006-7.pdf

ACADEMIC ACCOMMODATION:

A student who feels he or she may qualify for accommodation for any type of disability should discuss with the instructor before the first quiz or test, and contact the learning disabilities office. Students with verified disabilities requiring accommodations should make a specific request of the instructor in a timely manner, at the beginning of the semester and at least one week prior to the verified and identified need

FOOD AND DRINK IN THE CLASSROOM:

To maintain a cleaner and drug-free classroom environment and to avoid distractions, food and drinks (except water in closed containers) may not be consumed in the classroom. Students eating in the room will be asked to leave and will receive an absence for the class meeting

TELEPHONES, CELL PHONES, PDAs, CALCULATORS, MP3, IPODs & ALL OTHER ELECTRONIC DEVICES:

All electronic devices are to be turned off when class is in session. Any of these devices turned on during a test will be considered cheating Lectures may be recorded as long as the instructor gives prior permission.

DENTAL SUPPORT SERVICES:

The list of Student Services, their location, and hours of operation are found on the Cypress College Schedule of Classes. The instructor will be happy to recommend services that you may need.

EMERGENCY PROCEDURES:

In the event of an evacuation of a classroom/building, students will proceed to a clear and safe area away from the evacuated building. Take all personal belongings with you

OTHER IMPORTANT INFORMATION:

Please keep all tests for the entire semester. Possible clerical errors will be avoided if you fulfill this student responsibility

The attached schedule is **Tentative**, and may change during the semester. Attend class regularly for semester announced changes

Only officially registered students may attend lecture and labs. It is the students' responsibility for proper registration. Wait-listed students will not be automatically registered. You must have a receipt of registration.

The instructor may record lectures and place them as a .wav file on the internet for your use any time during the semester. Any student who does not agree to have this information podcasted on the internet must notify the instructor in writing during the first week of the class. The student who fails to notify the instructor as noted above agrees to the placement of all class audiorecordings on the internet or in the LLRC.

Hats, hoods, and sunglasses may not be worn during tests. Anyone seen looking around the room or at the instructor during a test will be relocated to the first row of seats in the front of the room.

Cypress College picture identification card is required to take a test

**Tentative Lecture Schedule
 Biol 241, Human Physiology
 M/W, Fall 2007**

Week	Date	Topic	Text Reading	Score
1	Aug. 21	Introduction & Homeostasis	1	
	Aug. 23	Chemistry	2	
2	Aug. 28	Chemistry	2	
	Aug. 30	Chemistry	2	
3	Sept. 4	Cell Structure and Genetic Control	3	
	Sept. 6	Interactions between Cells and Their Environment	6	
4	Sept. 11	Exam 1 (Chapters 1, 2, 3, & 6)	<i>Exam 1</i>	
	Sept. 13	Enzymes and Energy	4	
5	Sept. 18	Cell Respiration and Metabolism	5	
	Sept. 20	Nervous System: Neurons and Synapses	7	
6	Sept. 25	Central Nervous System	8	
	Sept. 27	Autonomic Nervous System	9	
7	Oct. 2	Exam 2 (Chapters 4, 5, 7, 8, & 9)	<i>Exam 2</i>	
	Oct. 4	Sensory Physiology	10	
8	Oct. 9	Sensory Physiology	10	
	Oct. 11	Endocrinology	11	
9	Oct. 16	Endocrinology	11	
	Oct. 18	Endocrinology	11	
10	Oct. 23	Muscle Physiology	12	
	Oct. 25	Muscle Physiology	12	
11	Oct. 30	Exam 3 (Chapters 10, 11, & 12)	<i>Exam 3</i>	
	Nov. 1	Blood	13	
12	Nov. 6	Cardiovascular Physiology	13	
	Nov. 8	Cardiovascular Physiology	13	
13	Nov. 13	Cardiovascular Physiology	14	
	Nov. 15	Cardiovascular Physiology	14	
14	Nov. 20	Respiratory Physiology	16	
	Nov. 21	<i>Last Day to Drop with "W"</i>		
	Nov. 22	<i>Thanksgiving Holiday</i>		
15	Nov. 27	Exam 4 (Chapters 13, & 14)	<i>Exam 4</i>	
	Nov. 29	Respiratory Physiology	16	
16	Dec. 4	Renal Physiology	17	
	Dec. 6	Digestive System	18	
17	Dec. 11	Diversification System	20	
	Dec. 13	Final Exam 4:30-5:50 p.m. (Chapters 16, 17, 18, & 20)	<i>Exam 5</i>	