

BMD 334: Human Physiology 1
Fall, 2005

Instructor:

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Office Hours: Mon 9:00 – 10:00, 1:00 – 3:00

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Or by appointment

Course Goals and Objectives:

The general objective of Human Physiology I is to give students a detailed overview of cell physiology and communication in the body through the nervous and endocrine systems.

Course Content:

The course covers cell physiology in detail, including the structure of cells, cell metabolism, transport into and out of cells, and communication between cells. The course then goes over the two organ systems involved in long-distance communication between cells: the endocrine system and the nervous system.

Prerequisites:

Biology 121 and Chemistry 131 or their equivalents must be completed prior to enrollment in BMD 334. Biology 122 and Chemistry 132 are recommended. Students not having completed the prerequisites must drop the course.

Texts:

The required text for this course is:

Germann and Stanfield: Principles of Human Physiology, 2nd Edition

The recommended text for this course is:

Etchberger, Nordlie., and Fowles: Study Guide for Principles of Human Physiology, 2nd Edition

Students who learn well from lectures probably will not benefit much from the Study Guide. But for those who struggle with science courses, I strongly recommend the guide. This course does not require simple memorization of facts, you must be able to comprehend concepts.

Supplemental Material:

With your text came a CD with the “Interactive Physiology” computer programs. These CDs are to be used as needed to supplement the lecture and text. They may also be used occasionally during lecture.

The textbook has a web-site designated to it. This site has interactive activities to test your knowledge, practice quizzes, additional information and resources, case studies, and links to information related to the text material. The address of this site is:

www.physiologyplace.com

In each text, there is a card with a code to register for the web site. This code is good for one year.

Also accessible through your web registration is PhysioEx, simulated lab exercises in physiology. You are welcome to use these exercises to supplement lecture material. Several of the exercises will be completed as part of BMD 336, the physiology laboratory course that is required of BMD majors.

This is a web-enhanced course. That means that you are required to access the official course web site and participate in course assignments. This includes discussions. Also available are practice quizzes, and PowerPoint lectures. To access the web site, follow the log on instructions at:
<http://usaonline.southalabama.edu/>

Sample exams can be found at:

<http://www.southalabama.edu/alliedhealth/biomedical/334Physiology/BMD334.htm>

Grading:

There will be a total of 600 points available for the course as follows:

3 progress exams (100 pts. each)	300 pts.
Final Exam	200 pts.
Participation	100 pts.

Grades will be based on the following: A = 90-100%; B = 80-89%; C = 70-79%; D = 60-69%; F < 60%.

Exams:

There will be 3 progress exams during the semester and a final exam. Each progress exam will be 5-10% comprehensive, that is, will test on material learned throughout the semester. The final exam will be approximately 50% (100 points) new material and 50% (100 points) comprehensive.

All students are required to bring their student ID cards to each exam. The exams will include material covered in lecture, reading assignments, and Interactive Physiology. The progress exams will consist of multiple choice, True/False, fill-in, matching, and short answer questions. The final exam will be all multiple choice questions. Bring a number 2 pencil to all exams.

Any unofficial absence from an exam will result in a score of zero for that exam. Two unexcused absences from exams will result in a final grade of F for the course. An official absence requires calling the instructor prior to the exam followed by a detailed physician's note or other written documentation for absence recognized by the University. The student is responsible for making arrangements with the instructor for making up any missed exams due to an official absence as soon after the exam date as possible. Should taking a make-up exam be delayed, the student will be required to take a comprehensive essay exam. Any student with two excused absences will be required to take a comprehensive essay exam in lieu of the second missed exam.

Cheating will not be tolerated in class. The instructor reserves the right to change seating arrangements before or at any time during an exam. Any student caught cheating on a progress exam will receive either a zero on that particular exam or a final grade of F for the course. Cheating on the final will result in a final grade of F for the course. In addition, an official report of the incident will be filed with the chair of the department, and the incident will be added to the student's file. Students who observe others cheating are encouraged to report the incident to the instructor. Contrary to a common saying, cheaters do not just cheat themselves out of an education, they cheat against you.

Attendance:

Attendance is mandatory at all class meetings and counts toward participation points.

Final Drop Date:

The last day to withdraw from the course is Nov. 11, 2005.

Policy for Students Failing the Course:

All students who have a cumulative percentage of less than 60% in the course must meet with the instructor weekly to discuss their progress.

Policy on Cellular Phones and Beepers:

Cellular phones are not permitted in the classroom at any time. If you must have a beeper, then the beeper must be kept in vibration mode. These devices are disruptive to the class and a student violating these policies will be asked to leave the classroom. On exam days, beepers are forbidden (you may leave a beeper with the instructor if necessary). Anybody with a cell phone or beeper during an exam will receive a 0 on that exam.

Policies for Handicapped Students:

Any student with a qualified handicap that requires accommodations should talk with the instructor after class so that appropriate arrangements can be made. A student must verify that he/she has a qualified handicap through the Special Student Services Office.

Supplemental Instruction:

Supplemental Instruction is an academic enrichment program that assists students in historically difficult courses. SI is used in over 1,300 universities worldwide and has a 30-year history with proven results.

Student SI Leaders are trained to be effective peer instructors. Your SI Leader has succeeded in this course, will attend classes, and will offer SI sessions during each week. The session schedule is determined with student input. These sessions are informal, free, and voluntary for the students enrolled in this course. Instead of a lecture approach, SI sessions are characterized by group discussions, examples, study strategies, and test preparation.

SI is designed for all students. SI attempts to form a learning community that benefits everybody. SI is NOT remedial. SI is proactive and enhances students' understanding of the course. A good SI program results in improved student grades, better long term student success, and higher graduation rates.

I strongly encourage all students to attend SI sessions continually (not just prior to an exam).

Tentative:

All information in the course schedule and syllabus are tentative and subject to change. The course schedule is a guideline, as lecture material may change based on the pace of the course. Exam dates will not change unless the entire class agrees to a change in date (unanimous decision of students attending class on day a change request has been submitted). Any exam date changes will be announced at least 1 week prior to the exam. Any changes in the course syllabus will be announced with at least 24 hours notice.