Syllabus for Human Anatomy and Physiology I:
Biology 2401, Fall 2012 (August 27th – December 5th)
Your host: Dr. Glenn Perrigo

Course Objective: Although primarily designed for students in health-related professions, Anatomy and Physiology offers a broad overview of the structure and function of tissues, organs and organ systems for anyone interested in biology. Anatomy and Physiology I covers the basics of biological chemistry, organic molecules, metabolism, membranes, and biophysical principles such as diffusion. The nervous and endocrine systems are the first organ systems covered. The course concludes with the study of skin, bone and muscle physiology.

Catalog Description: Gross and microscopic anatomy of cells and tissues, integument, skeletal, muscular, nervous and endocrine systems. Six hours of Chemistry recommended. Prerequisites: exemption from READ 0300.

General Education Requirement: This course fulfills 4 hours of the Natural Science with laboratory General Education Requirement.

Perrigo's Office: Room 117/117A Biological & Health Sciences

Perrigo's Telephone: (361) 593-4170

Perrigo's E-mail: glenn-perrigo@tamuk.edu

Perrigo's office hours: 12:30 – 5:00 PM on Tuesday and Thursday, or by appointment. I will gladly try to accommodate your schedule if necessary. Besides, I'm usually available if my door's open.

Lecture: M,W,F Room BHS 100 (J. Talmer Peacock Auditorium), 10:00 AM – 11:00 AM.

Textbook and Laboratory Manual: Hole's Human Anatomy & Physiology 13th edition by Shier, Butler & Lewis is your text. If you have the 12th edition, it will suffice. Your required lab manual is a spiral bound notebook with the same title. (13th Edition).
IMPORTANT: I will be communicating with the entire class directly through email (distribution of syllabi, handouts, and fake tests). Your contact email information is listed on my official class roster, so make sure you have a functioning email address.

**LECTURE WEEK**

August 27, 29, 31  Introduction to Human Anatomy and Physiology. Atoms and basic chemistry. *Hole's* Chapter 1, 2.


Sept. 10,12, 14  Cells and Energy Metabolism. *Hole's* Chapter 3,4.

Sept. 17, 19, 21  Aerobic and Anaerobic Metabolism. *Hole's* Chapter 3,4.

Sept. 24, 26, **28**  Membrane transport mechanisms. **FIRST EXAM September 28**  
*Hole's* Chapter 3, 4.


Oct. 8, 10, 12  Nerves and Nervous system anatomy. *Hole's* Chapter 10, 11.


**SECOND EXAM November 2nd.**

**NOTE:** November 1 (by 5 PM) is the last day to drop with automatic Q grade.


Nov. 19,21  Support: Skin, Bones and Joints. *Hole's* Chapter 6, 7, 8.


**NOTE:** December 5 (by 5 PM) is the last day to drop a course or withdraw.

**Dec. 11th**  **Final EXAM Tuesday, Dec. 11th**,  
1:20 PM – 3:50 PM. (Room BES 100, J. Talmer Peacock Auditorium)
Student learning objectives and assessment in lecture

Upon completion of the lecture portion of the course, students will learn the subjects noted in the course objectives. Three distinct areas of objective knowledge will be assessed:

1) Biological chemistry, organic molecules, cells and metabolism, and biophysical principles such as diffusion. These will be assessed on exam #1

2) The nervous and endocrine systems will be assessed on exam #2

3) Skin, integument, bone and muscle physiology will be assessed on exam #3

Students must achieve a combination assessment score in which the sum of all lecture and laboratory outcomes (see below) demonstrates a minimum 60% mastery of the course objectives. According to University policy, achievement below the 60% level is a failing grade.

In addition, because A&P I satisfies part of the Natural Science general education requirement for a Baccalaureate degree (Any two science courses with laboratory), the following additional learning outcomes include:

1) understanding key principles associated with major scientific theories.
2) recognizing scientific and quantitative methods and the differences between these approaches and other methods.
3) fostering the ability to recognize the contributions of biology in daily life, as well as the major issues and problems facing the biological sciences, including issues that touch upon ethics, values, and public policies.

Student learning objectives and assessment in laboratory

Upon completion of the laboratory portion of the course, students will have hands-on experience with the subjects listed in the course objectives, as well as an ability to locate and identify anatomical structures of the organ systems studied in the laboratory. Assessment will consist of weekly assignments, quizzes and laboratory practicals (mid-term and final). Lab instructors will provide the specific outcomes of each assignment and test.

NOTES, DATES, GROUND RULES, & THINGS TO REMEMBER:

1. Do not get in the habit of showing up late for class or lab. Being on time is called RESPONSIBILITY. Late entrances disrupt the class and you miss important information. Besides, I reserve the right to lock the doors at the beginning of class. Please turn off your cell phones and don’t be texting during class.
2. **Be flexible!** Some things will change as the semester progresses, so be prepared for changes in lecture (and possibly exam and lab) plans. I always get one or two lectures behind — especially if we generate interesting class discussions — so I've already tried to build some flexibility into the syllabus.

3. **Test formats** will consist of multiple choice. Make sure you bring Scantron sheet (available at the Bookstore) and two pencils to each test.

4. **Grading policy:** 90-100% = A; 80-89% = B; 70-79% = C; and 60-69% = D. You must do better than 59% to pass the course.

5. I will do my very best to hold a review session on the regularly scheduled class day before each exam. Come prepared with your own questions. I will also hand out a fake test several days before your exam.

6. **Exams are scheduled for September 28, November 2, and December 11.** Here's how I plan to distribute the points. Lecture will account for 80% of your grade. Lab will account for 20%. The total number of points allotted for the course = 530. Lecture will consist of 420 points as follows:

   — 100 points for Exam 1 covering the first five weeks
   — 100 points for Exam 2 covering the second five weeks
   — 200 points for Exam 3, a **comprehensive final**. Half of the final will cover the last several weeks of the course, while the other half will cover anything in lecture from the entire semester.
   — 20 points will my option. I reserve the right to take attendance, spring a pop quiz, or award extra credit **unannounced**. Attendance is not mandatory, but the risk is yours, especially if I decide to hand out bonus points.

   — Lab accounts for 110 points (20% of your grade). Your Instructor will provide the details of assignments and tests. **Attendance is mandatory** for your laboratory section.

   **NOTE:** You must complete your laboratory safety training and provide your lab instructor with proof of completion. **No exceptions.** You will be barred from lab if you do not have proof of training.

7. I'll be assessing you mainly on my lecture notes. No one can cover all the book's details in a semester, nor does the book cover everything I think is important; thus, it's my job to distill out the concepts of greatest importance. But once you know the concept, then it's easy to go to a textbook and fill in the details yourself. You should read the text. This a University, so don't stand in the shower of knowledge with your raincoat on. The greater your depth of understanding the better you will compete against thousands of others, all seeking the same job as you. Think about it.

8. It usually takes several weeks before people feel comfortable about asking questions in class. Please remember that **I love to field questions from the audience**, particularly about
germane anatomical and physiological problems that impact everyday life. I encourage you to ask such questions because the really fun part of class is getting a discussion going, especially if you push my hot-button subjects regarding biomedical pseudoscience (e.g., nutrition scams, urine autotherapy, Q-ray bracelets, magnet therapy, human/pet acupuncture, therapeutic touch, electric fields and cancer, silicon breast implants and disease, Pentawater, Chi adjustment, colon-cleansing, foot detoxification, Smilin' Bob, and numerous other unproven medical hysterias or nonsensical "alternative medicines", especially HOMEOPATHY (Head ON! Apply it directly to your forehead! Quietus!). Cryptozoology is another one of my favorite hot-buttons (seen any Bigfoots/Bigfeet or Chupacabras lately?) and please don’t get me started on ghosts, UFOs, or speaking with the dead.

9. **Make-up Policy:** **THERE IS NONE.** If you miss a test, come see me immediately.

10. Please do not serenade us with pretentious or silly ring tones. Turn off your cell phones, iPhones, and remove your iPod earbuds. DO NOT waste my time and your time texting or checking messages and calls while in class.

11. Didn’t I mention this already? Do not get in the habit of showing up late for class or lab and do not to forget to stow your cell phone.

12. "**Academic dishonesty**" is the politically correct term for **CHEATING** and **PLAGIARISM** (See page 23, section 100 of your student handbook). **DON’T EVEN THINK ABOUT IT.** If I catch someone, he or she will be punished. I have the option to give you an F for the course, but at the very least, your assignment will be scored as a zero, your grade will be reduced by at least one letter grade, and I’ll report your misconduct to your College Dean and the Dean of Students. Because the vast majority of students work hard and honestly for their grades, it’s only fair to wreak maximum punishment on those who attempt to benefit at the expense of others. Fair warning.

_Students with disabilities, including learning disabilities, who wish to request accommodations in this class, should notify the Services for Students with Disabilities Office (S.S.D.) early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide documentation of his/her disability to the S.S.D. assistant coordinator. For more information, call (361) 593-3024 or visit Life Services and Wellness._

**Legal Stuff**

**Academic misconduct statement:**
You are expected to adhere to the highest academic standards of behavior and personal conduct in this course and all other courses. Students who engage in academic misconduct are subject to university disciplinary procedures. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct, which discusses conduct expectations and academic dishonesty rules.
Forms of academic dishonesty:

1) **Cheating**: Using unauthorized notes or study aids, allowing another party to do one’s work/exam and turning in that work/exam as one’s own; submitting the same or similar work in more than one course without permission from the course instructors; deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.

2) **Aid of academic dishonesty**: Intentionally facilitating any act of academic dishonesty. Tampering with grades or taking part in obtaining or distributing any part of a scheduled test.

3) **Fabrication**: Falsification or creation of data, research or resources, or altering a graded work without the prior consent of the course instructor.

4) **Plagiarism**: Portrayal of another’s work or ideas as one’s own. Examples include unacknowledged quotation and/or paraphrase of someone else’s words, ideas, or data as one’s own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one’s own work also constitutes plagiarism.

5) **Lying**: Deliberate falsification with the intent to deceive in written or verbal form as it applies to an academic submission.

6) **Bribery**: Providing, offering or taking rewards in exchange for a grade, an assignment, or the aid of academic dishonesty.

7) **Threat**: An attempt to intimidate a student, staff or faculty member for the purpose of receiving an unearned grade or in an effort to prevent reporting of an Honor Code violation.

Please be aware that the University subscribes to the Turnitin plagiarism detection service. Your paper may be submitted to this service at the discretion of the instructor.

Other Forms of Academic Misconduct:

1) Failure to follow published departmental guidelines, professor’s syllabi, and other posted academic policies in place for the orderly and efficient instruction of classes, including laboratories, and use of academic resources or equipment.

2) Unauthorized possession of examinations, reserved library materials, laboratory materials or other course related materials.

3) Failure to follow the instructor or proctor's test-taking instructions, including but not limited to not setting aside notes, books or study guides while the test is in progress, failing to sit in designated locations and/or leaving the classroom/ test site without permission during a test.

4) Prevention of the convening, continuation or orderly conduct of any class, lab or class activity. Engaging in conduct that interferes with or disrupts university teaching, research or class activities such as making loud and distracting noises, repeatedly answering cell phones/text messaging or allowing pagers to beep, exhibiting erratic or irrational behavior, persisting in speaking without being recognized, repeatedly leaving and entering the classroom or test site without authorization, and making physical threats or verbal insults to the faculty member, or other students and staff.

5) Falsification of student transcript or other academic records; or unauthorized access to academic computer records.

6) Nondisclosure or misrepresentation in filling out applications or other university records.

7) Any action which may be deemed as unprofessional or inappropriate in the
professional community of the discipline being studied.

**Non-academic misconduct:**
The university respects the rights of instructors to teach and of students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with these rights will not be tolerated; examples include

1) interfering with the instructor's ability to conduct the class,
2) causing inability of other students to profit from the instructional program, or
3) any interference with the rights of others.

An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under non-academic procedures.

Ongoing behaviors or single behaviors considered distracting (e.g., coming late to class, performing a repetitive act that is annoying, sleeping or reading a newspaper in class, etc.) will be addressed by the faculty member initially either generally or individually. Cases in which such annoying behavior becomes excessive and the student refuses to respond to the faculty member’s efforts can be referred to the Dean of Students. In the case of serious disruptive behavior in a classroom the instructor may first request compliance from the student and if it is not received, an instructor has the authority to ask the student to leave the classroom. If the student fails to leave after being directed to do so, assistance may be obtained from other university personnel, including University Police Department. An individual engaging in such disruptive behavior is subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under non-academic procedures to determine if the student should be allowed to return to the classroom.

**Harassment /Discrimination:**
Texas A&M University-Kingsville will investigate all complaints that indicate sexual harassment, harassment, or discrimination may have occurred by the facts given by the complainant. Sexual harassment of anyone at Texas A&M University-Kingsville is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action. A person who believes he/she has been the victim of sexual harassment, harassment, or discrimination may pursue either the informal or the formal complaint resolution procedure. A complaint may be initially made to the complainant’s immediate supervisor, a department head, any supervisory employee, the Dean of Students (593-3606), or the Office of Compliance (593-4758). Regardless of who the complaint is filed with, the Compliance Office will be notified of the complaint so it can be investigated.

**Six-drop policy:**
The following provision (new in Fall 2007) does not apply to students with Texas public college or university credits prior to Fall 2007. The Texas legislature has enacted a limit to the number of course drops allowed to a student without penalty. After a student has dropped six courses, a grade of QF will normally be recorded for each subsequent drop. If you need additional information on Senate Bill 1231 and how it affects you, please contact the Registrar’s Office in College Hall, Room 105.