COURSE SYLLABUS

FUNDAMENTALS OF HUMAN ANATOM & PHYSIOLOGY

ZOOLGY 255

FALL 2002

M/W/F 12:10 PM ~ 127 Curtis Hall

Lecturers:

Dr. Adah Leshem-Ackerman
205 Science II
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Office Hours: W, F 10-11AM and by appointment

Dr Carol Vleck
305 Science II
294-8646
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Office Hours: W, F 10-11AM and by appointment

Course website: http://www.public.iastate.edu/~zool.255/

WELCOME to Zool 255! This is part one of a two-semester sequence that is designed to meet the requirements of students planning careers in the health professions (excluding medicine); athletic training, nutrition and dietetics. The major objective of Zool 255 & 256 is to provide a system's approach to the study of human anatomy and physiology. The structure and function and their relationship within each body system will be explored as well as the interrelationship between systems. The unifying theme will be the maintenance of the human body’s internal environment. We will also discuss causes and consequences of malfunction within the systems. Please note that Zool 255 is not available for Major's credit in Biology or Zoology.

CLASSROOM BEHAVIOR:

Class starts promptly at 12:10 PM Monday/Wednesday/Friday. We highly recommend that you attend all the classes and take notes. Students are expected to pay attention to the lecturer. Students who cause any disruption to the class, e.g. by reading the newspaper, talking, whispering, eating, will be asked to leave the room. Please arrive at class a couple of minutes before class starts. If you arrive late or need to leave early, please choose an aisle seat at the back of the class and minimize the disturbance to other students.

We recommend that you sit in the same seat each class period and get to know those seated next to you. It is always a good idea to exchange email addresses and phone numbers with other students in the class so that you can form study groups and/or compare notes.
GRADING POLICY:
There will be five exams, including the final exam. Dates of the exams are listed on the Lecture Schedule. Content of the exams will be announced in class prior to the exam.

- The first four exams will be worth 40 points. Your lowest score of these four exams will be dropped.
- The final exam will be worth 80 points; 40 points on the last section of lectures and 40 points will be comprehensive.
- There will be five unannounced attendance quizzes each worth two points that will serve as extra credit. There will be no make-up quizzes.
- There will be two in-class discussion assignments based on a scientific article, each worth 10 points. Students will be assigned a reading from Scientific American or similar journal (questions to accompany the article will be posted on the web site for easy access). Students will be expected to read the article prior to class and know the answers to the questions. During the designated class period, students will organized into groups of 5 to discuss the article in their group and formulate group answers to the discussion questions. Each group will hand in their group-answers at the end of the class period.
- The final grade will be calculated as follows:

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<tr>
<td>3 midterm exams @ 40</td>
<td>120</td>
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<tr>
<td>2 discussion assignments @ 10</td>
<td>20</td>
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<td>Final exam</td>
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plus

- 5 quizzes @ 2 (Extra Credit) 10

Exam questions will be multiple choice, true/false, matching, or short answer.

Those arriving to take the exam later than 12:20 PM will not be admitted.

Written documentation must be provided for legitimate absences from exams or in-class discussions (such as scheduled academic or athletic events) ONE WEEK PRIOR to the exam or discussion. Make-up exams will be at the discretion of the instructor and can only be given PRIOR to the scheduled exam. Make-up exams will not be given in the event of unexpected circumstances such as of illness, car accidents, or death in the family. In the event of such circumstances, the missed exam will be counted as the “drop” exam.
**GRADING SCALE:** The following indicates the guaranteed percentage of points needed to earn a particular letter grade. The grading scale may be more generous, depending on class performance. We anticipate that 10-20% of students will earn a grade of A and 10-20% will earn a grade of B. A plus/minus system will be used.

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<th>Percentage</th>
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<tr>
<td>90-100%</td>
<td>A</td>
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<td>80-89%</td>
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<td>70-79%</td>
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<td>60-69%</td>
<td>D</td>
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<td>59% or less</td>
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**STUDY MATERIALS FOR THE COURSE:**

- **Text:**
  - *Principles of Anatomy & Physiology* by Tortora & Grabowski, 10th edition.
  - *Illustrated Notebook to accompany* (a) – THIS IS A MUST – PLEASE BRING IT TO CLASS EVERY LECTURE.
  - A SET OF COLORED MARKERS.

If you have a copy of the 9th edition of this text book, it will be adequate for course purposes, although you probably won’t be able to re-sell it to the bookstore. You are welcome to purchase a second-hand text by a different author, however, we will not be able to tell you which pages to read. This is not difficult to figure out based on the content of the lectures.

**HOW CAN I DO WELL IN THIS CLASS?**

This is a good question!

**We recommend you come to class prepared to learn.** It will help tremendously to read the chapter associated with the day’s lecture, even if you do not understand everything.

Learn to take written notes based on what the instructor is saying. To do well in the class, you will need to know more than what is provided in the powerpoint file for each lecture (available on the class web site), which is merely an outline of the lecture. Figures used in class will be in your illustrated notebook, which you should bring to class and annotate during class.

As soon as possible after class, review the material presented in class using the class notes and figures, together with the relevant chapter in the text book. The sooner you do this after class, the more likely you are to understand and retain the information. Do not wait till the day before the exam to begin reviewing the material.

**Use your text book.** Your text book has a wealth of well-organized information in it. At the end of each chapter there is a study guide including a study outline, and self-quiz questions. We highly recommend that you refer to the web site and use the CD ROM located in the inside cover of your text book.
The text web site has many resources to support and enhance your study. **TEXT WEB SITE:** [http://www.wiley.com/college/apcentral](http://www.wiley.com/college/apcentral). Use these resources.

**Attend Supplemental Instruction** (SI) – the time and place will be announced in class and will be posted on the web site. SI is a free service offered to all students in this class. It is facilitated by a graduate student majoring in Vet. Med.

**Ask Questions!** Dr Leshem-Ackerman & Dr. Vleck will do their best to answer your questions and help you understand the material. Please take advantage of their interest to provide you with a good education. Make use of Lecturer and Teaching Assistant's Office Hours.

**Form Study Groups.** Get together with your class mates on a regular basis to review your notes together, quiz each other and discuss reading assignments. If your study group has a question, then by all means seek the answer from the instructors.