

LECTURE SCHEDULE - BIOL 1344
 Spring 2003- SEC. 07826
 1:00-2:30 - T,TH - 102 SW
 DR. DAVID MAILMAN - 221G/231 SR2 - Ext 32656; dmailman@uh.edu
 LECTURE TEXT - Marieb-Human Anatomy and Physiology, 5TH ed.

Lecture	Date	Topic	Text Pages
1	Jan 14	Introduction - Circulatory System-cells, plasma	650-666
2	16	Circulatory System-blood types, clotting	666-679
3	21	Circulatory System-the heart, cardiac cycle, regulation	681-696
4	23	Circulatory System-cardiovascular physiology	696-715
5	28	Circulatory System-blood vessels	717-730
6	30	Circulatory System-circulation routes	730-749
7	Feb 4	FIRST MIDTERM	(650-749)
8	6	Lymphatic System	777-791
9	11	Body Defenses	792-832
10	13	Body Defenses	792-832
11	18	Respiratory System-structures, physiology	834-862
12	20	Respiratory System-gas transport, regulation	862-885
13	25	Digestive System-mouth-esophagus	887-903
14	27	Digestive System-stomach	903-915
Mar	3-8	--- SPRING BREAK ---	
15	Mar 11	SECOND MIDTERM	(777-915)
16	13	Digestive System-intestine, liver, pancreas	915-932
17	18	Digestion, absorption	932-946
18	20	Nutrition	948-962
19	25	Metabolism	962-1001
20	27	Urinary System-Structures	1003-1013
21	Apr 1	Urinary System-nephron function	1013-1039
22	3	THIRD MIDTERM	(915-1039)
23	8	Fluid balance/ Acid Base Balance	1041-1068
24	10	Endocrine System- organization,hypothalamus, pituitary	608-624
25	15	Endocrine System- organization,hypothalamus, pituitary	608-624
26	17	Endocrine System- metabolic regulation	624-648
27	22	Reproduction- male	1079-1086
28	24	Reproduction- female	1086-1116

FINAL COMPREHENSIVE EXAM (650-1116)
Thurs., May 8- 2:00-3:45
Note 1.75 hour period.

The above schedule and procedures in this course are subject to change in case of extenuating circumstances.
 The tutor/seminar schedule will be available within the first two weeks. Tutors will be available in Old Science.

The lecture and lab are separate courses. The lab text is Marieb-Anatomy and Physiology Laboratory Manual. Labs will start the first week.

The anatomical material in the lecture text on pages 750-772 will be used mainly as laboratory material and will not be taught in lecture. Some physiology material in those pages will be taught in lecture and you are responsible for only that material.

Tests can cover information in book even if not given in lecture and vice versa.

Questions in class are strongly encouraged although I might elect to answer them after class.

The notes that I use in class are the summaries at the end of each chapter. They are used mainly to keep my organization similar to that of the text.

DROP DATES

Last day to withdraw -Jan. 27. To drop course without grade - Feb 10 Last day to drop - Apr 1. You must formally drop course using appropriate forms or receive a grade of F.

EXAM QUESTIONS

I use transparencies so that you have plenty of time to take notes (you can write as fast as I do) and copy figures. When I use text transparencies just use a rough copy in your notes (if you have text with you then you can write on Fig but this may be difficult in practice) and fill in comments with connecting lines. Use original Fig in text after lecture.

I make up my exams by going through the transparencies from the lecture and making up questions. I do the same for the text material. In general, text-based questions will involve a major point rather than isolated information bits (to the best of my selection ability). However, most questions, whether lecture- or text- based, will be specific and detailed, and not over some general concept. I assume you already know these concepts. Note that my technique means that the information for all questions was given in lecture or text.

The exam questions will be specific and detailed. The problem with general concept questions is that they can be correctly answered by a drunken Paramecium or by many students without studying. These questions discourage studying.

Some ambiguous questions may inadvertently be in the exams. Truly ambiguous questions are answered correctly only by chance and therefore cancel out. The high grades on my previous exams were about 90-95 and, therefore, few ambiguous questions are present. If any questions that were not in the lecture or text slip through by accident then I apologize now. However, these questions will be equally answerable by anyone in the class.

Exam questions will be approximately - 70% information in both text and lecture - 15% each only from text or lecture. Questions will be multiple choice or T-F. Exams will be given on day indicated unless announced in class.

Exams will count as follows for lecture final grade.

Midterm ~ 25% each / ~50 questions

Final ~ 50% and will be comprehensive / 100 questions (~50 new/50 old)

GRADES

Your lowest grade will be dropped (DO NOT THINK ABOUT DROPPING THE FINAL EVEN IF YOU HAVE ALL MIDTERM AS). Grades will be curved primarily on the basis of distribution in ranges determined by previous student performance and quintile position between random guessing grade and highest grade. The distribution will be used to assign +/-A-F grades. All points will be totalled to get final grade and distribution. Students who answer 80-100 % of questions are in the A range and 0-20% in the F range. 0 % is determined by grade that could be achieved by random guessing. 100% is determined by the top grade.

Posted grades will show the lowest grade for the letter category i.e. the lowest C is the lowest C-. Note that dropping the lowest grade means that if all your grades are borderline then your final grade will automatically drop to the next level, i.e. a C- will become a D+.

The above schedule and procedures in this course are subject to change in case of extenuating circumstances.

HOW TO USE EXAMS AND STUDY FOR THE COURSE

As with most other college courses, the approximate minimal amount of time for study is

0.5 hr of study / 1 hr lecture for a D
 1 hr of study / 1 hr lecture for a C
 2 hr of study / 1 hr lecture for a B
 3 hr of study / 1 hr lecture for an A.

These times can vary up or down depending on ability, focus, interest etc. Note that my grading technique (see below) establishes an A as practicable and doable by a committed and reasonably intelligent student.

Questions will be True/False and multiple choice types.

Questions which require a quantitative answer or knowledge of the magnitude of a value will have false values at least 50% different from the correct one.

eg. Plasma K^+ is 10 meq/l. F (the correct answer is ~ 5).

Questions which have another right answer but are still correct are true.

eg. 1. Aldosterone secretion is controlled by angiotensin. T.

2. Aldosterone secretion is controlled by plasma K. T.

MAKEUP EXAMS

There will be NO makeup exams. Your lowest grade will be dropped. If two exams are missed then both will count as "0".

MIDTERM EXAMS WILL BE GIVEN DURING THE LAST 45 MIN OF LECTURE.

PROCEDURE FOR TAKING EXAMS

BRING A PHOTO ID TO EXAM

Move to end or center of row so that there are no empty seats OR IF POSSIBLE that there is an empty seat between you and the next person with a person in the center aisle seat. Make sure that there is a person directly in front of you. Make sure that you have different colored exams on each side of you and the same color in front and back. When you are finished, bring your signed exam with the signed Scantron card inserted inside the exam with about 1 inch protruding. Line up in front of lecture hall to hand in exams. There will be alphabetic signs for your name. Show TA your photo ID. Place your exam/Scantron in the alphabetized pile based on the first letter of your last name.

No exam is to leave the room. Keeping an exam or removing it temporarily from the room will result in an F for the course and other disciplinary possibilities. The exams must be handed in when called for. Leave yourself enough time to fill out the second Scantron if you want a record of your answers. Exams will be removed after the last obvious student has handed in their exam and no further exams will be collected. The key will be posted outside 221 SR2. The grades and distribution will be posted there later. .

One very good recent source of objectives is the American Physiological Society, Medical Curriculum Objectives Project. www.the-aps.org/education/MedPhysObj/medcor.htm This website has objectives for a course in human physiology. All the objectives-no more no less - are considered the basic knowledge required in physiology. I teach this same material with the same stresses, except for more clinically relevant information. It would be worthwhile to print out the objectives for each section and use them as another study guide for the course.

STUDENTS WHO USE THE LECTURE TO DISCUSS THEIR PERSONAL LIFE OR ARE OTHERWISE DISRUPTIVE
 WILL BE ASKED TO LEAVE.

THEY WILL NOT BE ASKED TO RETURN.

THIS DOES NOT INCLUDE LEANING OVER TO YOUR NEIGHBOR TO ASK FOR CLARIFICATION OF A LECTURE
 POINT.

I CAN EASILY TELL THE DIFFERENCE.

The Center for Students with DisABILITIES provides academic support services to all UH students who have any type of health impairment, learning disability, physical handicap, or psychiatric disorder. Individuals wishing to find out more about these services should contact CSD in room 305 of the Student Service Center (or call them at 743-5400/voice; 749 1527/TDD). Students requesting "reasonable and necessary" accommodations for this