

HUMAN ANATOMY AND PHYSIOLOGY

Biology 121 - Fall 2000

Dr. Steve Baker

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| <u>Date</u> | <u>Topic</u> | <u>Chapter</u> |
|--|---|----------------|
| Aug. 30 | Introduction to Course Finding your way around | 1 |
| Sept. 1 | Cont:, Homeostasis | 1 |
| 4 | LABOR DAY HOLIDAY!!!! Work Hard!!! | |
| 6 | Body Chemistry | 2 |
| 8 | Cellular Organization | 3 |
| 11 | Cellular Organization | 3 |
| 13 | Tissue Level of Organization | 4 |
| 15 | Cancer | |
| 18 | Integument 1 | 5 |
| 20 | Integument 2 | 5 |
| <i>THURSDAY, SEPTEMBER 21 - EXAM I 8:00 AM- Covers through Cancer</i> | | |
| 22 | Wrap up Integumentary System | 5 |
| 25 | Skeletal Tissue | 6 |
| 27 | Fractures and Other Problems | 6: 190-193 |
| 29 | Axial Skeleton 1 | 7 |
| Oct. 2 | Axial Skeleton 2 | 7 |

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| | 4 | Appendicular Skeleton | 8 |
| | 6 | Articulations 1 | 9 |
| | 9 | Articulations 2 | 9 |
| | 11 | Joint Diseases | 9 |
| | 13 | Wrap up Skeletal System Introduction to Muscle Tissue | 10 |
| | 16-17 | FALL BREAK!!! | |
| | 18 | Muscle Tissue & Contractions 1 | 10 |
| <i>THURSDAY, OCTOBER 24, EXAM 2, 8:00 AM - Covers through Skeletal System</i> | | | |
| | 20 | Muscle Tissue & Contractions 2 | 10 |
| | 23 | Muscle Actions & Groups 1 | 11 |
| | 25 | Muscle Actions & Groups 2 | 11 |
| | 27 | Nervous System 1 | 12 |
| | 30 | Nervous System 2 | 12 |
| Nov. | 1 | Spinal Cord & Spinal Nerves | 13 |
| | 3 | Spinal Cord & Spinal Nerves | 13 |
| | 6 | Introduction to the Brain | 14 |
| | 8 | Brain & Cranial Nerves 1 | 14 |
| | 10 | Brain & Cranial Nerves 2 | 14 |
| | 13 | Brain & Cranial Nerves 3 | 14 |
| <i>TUESDAY, November 16, EXAM 3, 8:00 AM : Covers through spinal cord and spinal nerves and introduction to brain</i> | | | |
| | 15 | Brain & Cranial Nerves 4 | 14 |

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|------|-------|----------------------------|----|
| | 17 | Brain & Cranial Nerves 5 | 14 |
| | 20 | Sensory & Motor Neurons 1 | 15 |
| | 22-24 | THANKSGIVING BREAK | |
| | 27 | Sensory & Motor Neurons 2 | 15 |
| | 29 | Sensory & Motor Neurons 3 | 15 |
| Dec. | 1 | Special Senses 1 | 17 |
| | 4 | Special Senses 2 | 17 |
| | 6 | Special Senses 3 | 17 |
| | 8 | Autonomic Nervous System 1 | 16 |
| | 11 | Autonomic Nervous System | 16 |

II. Course Information - Class meets in Pierce 101, 10:00 am, MWF
 Lab meets in Pierce 123, 2:00-5:00, Monday

1. Textbooks and Laboratory Manuals
 - a. Fundamentals of Anatomy and Physiology, Martini, 4th Edition, 1998.
 - b. Anatomy and Physiology Lab Manual, Wise
 - c. A Guide to Anatomy and Physiology Lab, Thomas G. Rust, Second Edition, 1986, **Optional**.
 - d. Dissection Kit available in Bookstore. You will need these by October 28.
 - e. I advise you to buy a large 3 ring notebook for your notes; it makes the handouts easier to "handle".

III. Evaluation

You will be evaluated on the basis of the following:

| | |
|---------------------|------------------|
| Lecture Exams | 300 points |
| Lab Practicals | 150 |
| Case Study | 50 (5 @ 10 pts.) |
| AJN Article Reviews | 20 |
| In-lab quizzes | 25 |
| Final Exam | 150 |
| | ----- |
| | 695 |

Points totals are approximate. I reserve the right to vary them somewhat.

I grade on the 90-100 scale for A, 80-90 for B, etc... Plus-minus scale will be used.

For pre-nursing students, let me remind you that a minimum grade of C- is required in this course.

There are several learnlink conferences for this class. I encourage you to use these --I will check LL regularly and will post review questions for discussion. Regular participation in LL will have a positive influence on your grade!

IV. Attendance - Our attendance policy is addressed in the departmental policy received as a handout. Excessive absences will result in a reduction of your grade. Frequent tardies are rude and will not be tolerated, and will also lead to a grade reduction.

V. Dissection - Lab exercises in Biology 121 require dissection of sheep brains, sheep eyes, and extensive dissection of cats. Classroom dissections will be incorporated into lab exams.

VI. Miscellaneous - Office hours are 9:00-10:00 TT, 11:00-12:00 MWF, however you are welcome in my office at any time. I always have time to talk to you, whether it involves classwork or just to visit. You will find I am around most of the time.

*This is your class - let's make it an enjoyable one!

HUMAN ANATOMY AND PHYSIOLOGY(BIO 121)
Fall 2000 - Pierce 123
Steve Baker
Laboratory Schedule

| Date | Topic | Lab Exercises |
|--------------------|--|--|
| September 11 | Microscopy and Introduction to the Human Body | 1, 2, 3 |
| September 18 | Cells and Cellular Transport | 4, 5 |
| September 25 | Tissues and the Integumentary System | 6, 7 |
| October 2 | Lab Exam #1 | |
| October 9 | Osseous Tissue and Bones Axial Skeleton/Medical Imaging | 8, 10, 11 |
| October 16-17 | FALL BREAK!!!! | |
| *October 23 | Appendicular Skeleton, Articulations Cat Skinning | 9, 12; p. 152-154 13-18, Cat Dissection Only |
| *October 30 | Muscles | |
| *November 6 | Muscles | |
| November 17 | Lab Exam #2 in class | |
| *November 20 | Nervous System I - Brain and Cranial Nerves | 20, 21, 22 |
| *November 27 | Nervous System II - Sensory Reception, Olfaction, Taste | 23, 24, 25 |
| *December 4 | Vision, Hearing, Equilibrium | 26, 27 |
| December 11 | Lab Final | |

***Bring dissection kits for these labs**

You should always bring your lab manual, lecture text and Rust to each lab.

Lab is from 2-5 Monday, Pierce 123. Occasionally the first portion of lab may be used to allow us to catch up in lecture or for other activities.

Please see me if you have any questions. I'm looking forward to working with you!!

ABSENCE POLICY - Biology Department

All students are expected to attend all lecture and laboratory sessions. However, emergencies may arise which will necessitate absences from class. Students are allowed 4 cuts in lecture and NO CUTS in lab. Students may only miss lab without penalty in cases of illness, family emergency or a school sponsored event which is cleared with the professor in advance. Students are responsible for all material which is covered in laboratory and lecture. When possible, students will be allowed to "make-up" laboratory material missed due to an excused absence, however, because of the nature of laboratory material, actual "make-up of missed activities is usually impossible.

PENALTIES

Students who exceed the 4 cut limit in lecture for whatever reasons or have an unacceptable absence from laboratory will have their FINAL grade reduced 5 points per absence. Students who miss 2 labs without acceptable reasons will fail the course (see below).

LECTURE ABSENCES:

THERE ARE NO EXCUSED ABSENCES FOR LECTURE. Each student may be absent four times without penalty. These four cuts may be used for any reason: illness, studying, travel, family emergency, etc. However, ANY additional cuts will result in grade reduction. USE YOUR CUTS JUDICIOUSLY, e.g. for sick leave only.

ACCEPTABLE LABORATORY ABSENCES

Although no discretionary absences, i.e. "cuts", are allowed regarding laboratory, on rare occasions, illness, family emergencies, or certain school sponsored events may make it necessary for a student to miss a laboratory session. The instructor MUST be notified prior to the day of the absence in all but the most extreme emergencies.

In all cases, the final decision regarding whether or not an absence is acceptable will be made by the instructor.

AN UNACCEPTABLE ABSENCE FROM LABORATORY RESULTS IN A FIVE POINT REDUCTION IN THE FINAL GRADE. TWO UNACCEPTABLE LABORATORY ABSENCES RESULT IN FAILURE OF THE COURSE.

MISSED TESTS

Ordinarily, tests cannot be made up, however, this is up to the instructor. If a student misses a test, and the absence is acceptable the missed test will not count either for or against the student. If the absence is not excused the grade will be a zero. Students are cautioned that any excuse for missing an exam will come under severe scrutiny by the instructor. THE INSTRUCTOR MUST BE NOTIFIED PRIOR TO THE TIME OF THE EXAM, AND THE INSTRUCTOR MAKES THE FINAL DECISION REGARDING WHETHER OR NOT AN ABSENCE IS ACCEPTABLE.

Laboratory tests which are missed for a reason that is excused MUST be made up. The instructor must be notified prior to the time of the test.

RELIGIOUS HOLIDAYS:

Students must notify the instructor one week in advance if they intend to be absent for a religious holiday.

TARDINESS

Being late to class is rude and distracting. Continued tardiness by any student will result in the assignment of absences and ultimately a reduction in the student's grade. Three tardies equal an absence. The tardy student is responsible for notifying the instructor that she/he entered the classroom late and, therefore, was not absent. The instructor reserves the option of excluding a person from further classroom or laboratory participation if the student is continuously tardy.

Falsification of information regarding absences from class or laboratory will be considered as a breach of academic integrity.

CLASSROOM AND LABORATORY GUIDELINES

Department of Biology

- I. Eating and drinking are not allowed in either classrooms or laboratories. Therefore, do not bring food items and beverages to class or laboratory. Remember that the use of tobacco in any form is forbidden in Pierce Hall.
- II. Students are expected to wear appropriate attire in classrooms and laboratories. This certainly includes the wearing of shoes.
- III. Students must be safety conscious at all times but especially in the laboratories. Special procedures will be reviewed during laboratory sessions as needed.
- IV. All students are requested to help with housekeeping in the classroom and laboratory.
- V. In Biology 142, 121, and 122 certain designated dissection specimens may be taken from the laboratory with the instructor's permission. The instructor will identify those specimens which may be removed for study elsewhere. These specimens must be returned on or before the time the instructor announces for their return.
- VI. Except for the exceptions noted above (V) materials may not be taken out of the laboratories. This includes microscopes, microscopic slides, demonstration notes and materials, charts, and all other items which are to be found in the laboratory.
- VII. Violation of any regulation noted in Sections V and VI above will be treated as a breach of academic integrity. Therefore, such violations will be immediately reported to the Honor Council.