



Baker

BIOLOGY 122 - 2001 SYLLABUS

Course Objective: In Biology 122 we will cover the anatomy and physiology of all systems not included in Biology 121. As always, we will encourage critical thinking by the use of case studies and we will include clinical applications of the structure/function relationships we discuss.

Date	Topic	Chapter
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1/17	Endocrine System - Introduction	18
1/19	Endocrine System	
1/22	Endocrine System	
1/24	Endocrine System - Wrap-up	

1/26 **Reconciliation Day at Emory**

1/29	Cardiovascular System - Blood	19
1/31	"	
2/2	Heart - Anatomy and Conduction	20

Case Study #1 Due, Endocrine System

2/5	Heart - Physiology and EKG
2/7	Heart - Problems

2/8 **EXAM 1 – through HEART PHYSIOLOGY/EKG**

2/9	Heart -Eliminating risk factors	
2/12	Vessels	21
2/14	Vessels	
2/16	Immune System - Lymphatic	22
2/19	Immune System	

Case Study #2 Due, Cardiovascular

2/21	AIDS
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2/23	Respiratory System - Introduction	23
2/26	"	

Meet with instructor to discuss research paper topic this week

2/28	Respiratory System - Continued	
3/2	"	
3/5	Review and Catch-up	
3/7	Digestive System	24

3/8 EXAM 2 - COVERS BLOOD VESSELS THROUGH RESPIRATORY

3/9	Digestive System	
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Case Study #3 Due, Respiratory—Turn in between 3/9-3/21

*******3/12-3/16---SPRING BREAK*******

3/19	Digestive System	
3/21	Digestive System - Disorders	
3/23	Metabolism	25
3/26	Urinary System	26
3/28	Urinary System - Physiology	

Case Study #4 Due, Digestive

3/30	Urinary System (cont.)	
4/2	"	
4/4	Disorders, Urinary System	
4/6	Review and Catch-up	

Draft of Research Paper Due

4/9	Reproduction	28
4/11	Reproduction - Anatomy	

4/12 EXAM 3 - COVERS DIGESTIVE THROUGH URINARY

4/13 Sex and Sexual Response
4/16 "

Case Study #5 Due, Urinary

4/18 Conception
4/20 Disorders of Reproductive System
4/23 Pregnancy and Development 29

Final Copy of Research Paper Due

4/25 "
4/27 "
4/30 Wrap-up

FINAL: Friday, May 4th 2:00 - 5:00 p.m.

UPDATED COURSE INFORMATION

Evaluation will very similar to last semester. You will be evaluated in the following manner:

Exams, 3 @ 100 points each, total	300 points
Lab Exams, 3 @ 50 points each, total	150 points
Final Exam, 150 points	150 points
Research Paper	50 points
Case Study Exercises -about 5, totalling	75 points
Total	725 points

There may also be some additional exercises/activities later in the semester for additional points—such as in/class exercises or lab exit quizzes.

- Same texts will be used as last semester
- Same grading scale will be used as last semester.

This is a writing intensive course! Along with miscellaneous exam essays and perhaps some classroom writing, your class writing will include:

- 1. Five case studies, in which you will be given a patient and a set of symptoms. You must discuss the symptoms and their probable origin, propose a diagnosis, and note possible treatments. References will be cited as described in class. These will typically average 1.5- 2 pages in length.*
- 2. One research paper on a clinical topic from the endocrine, cardiovascular, immune, or respiratory system. Completion of this paper includes a meeting to discuss the topic, preparation of a rough draft and opportunity for discussion with the instructor, and preparation of a final paper. These papers will average 10-12 pages in length.*

Honor Code: As always, the Honor Code will be strictly enforced in all classroom activities. We will discuss specifics regarding citing references, working together on projects, etc. as the class proceeds.

We will continue to maintain the same open class atmosphere we had last semester. Feel free to ask questions at any time -- as you know, I won't always know the answers but will try to find them out!!

Learnlink: We will be exploring new ways to use Learnlink in this class this semester. Feel free to use any of the conferences to set up study groups, discuss class questions, ask me questions, or to air your opinions or complaints.

As always, you are welcome in my office at any time for class-related questions or just to visit. I will try to maintain the following

Office hours:

MWF 12-1

TT 9-11

***But as you know you can come see me at any time or make an appointment.
I am generally here 8:00 - 5:00 during the day.***

I hope that this second semester will be enjoyable to you. If I can help you in any way please let me know!! I will include my phone number below in case you lost them from last semester:

PHONE: OFFICE: 784-8446

ANATOMY AND PHYSIOLOGY -2001

lab schedule

<u>Date</u>	<u>Topic</u>	<u>Chapter</u>
January 25	Endocrine System	28
February 1	Blood	29
February 8	Heart and EKG	31-33, 38
<i>February 15</i>	<i>PRACTICAL #1</i>	
February 22	Blood Vessels	34-35
March 1	Blood Vessels	34-35

***** 3/12-3/16--SPRING BREAK *****

March 8	Respiratory System	39-40
<i>March 22</i>	<i>PRACTICAL #2</i>	
March 29	Digestive System	42-43
April 5	Urinary System	44-45
April 12	Reproduction Development	46-47
April 19	Trip to Emory	
<i>April 26</i>	<i>PRACTICAL #3</i>	

Many of your grades were significantly lowered last semester by your lab performance! Remember the keys to success in lab--

1. Do **everything** and answer **every** question on the lab sheets!
2. Do a good job working in lab. Make sure you can answer the questions on demo cards.
3. Come back and work in the lab to finish up or to **review**. Your lab is on Thursday. Unless there is another lab, the lab will be open 8-5, so you should be able to find time to work.
If the lab is not open, see me or Ms. Joy Budensiek for help.
4. Your lab manual is an excellent review of lecture material.
5. **Bring your Rust manual, lab manual, and text to every lab!**
You should bring your dissection kit to every lab except lab #1.

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.