



## ***BIOLOGY 122 - 2002 SYLLABUS***

### **Course Objectives:**

1. **In Biology 122 we will cover the anatomy and physiology of all systems not included in Biology 121. These include the endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems.**
2. **We will review major homeostatic disruptions in these systems and their resulting clinical disorders.**
3. **As in Biology 121, we will encourage critical thinking and writing skills by the use of case studies.**
4. **Each student will conduct an in depth study of a clinical disorder leading to a major research paper. This project will enhance library research and formal writing skills.**

<b><u>Date</u></b>	<b><u>Topic</u></b>	<b><u>Chapter</u></b>
1/16	Endocrine System - Introduction	18
1/18	Endocrine System	
1/21	Martin Luther King Holiday	
1/23	Endocrine System	
1/25	Endocrine System - Wrap-up	
1/28	Cardiovascular System - Blood	19
1/30	"	
2/1	Heart - Anatomy and Conduction	20
	<b><i>Case Study #1 Due, Endocrine System</i></b>	
2/4	Heart - Physiology and EKG	
2/6	Heart - Problems	
2/7	<b>EXAM 1 – through HEART PHYSIOLOGY/EKG</b>	
2/8	Heart -Eliminating risk factors	
2/11	Vessels	21
2/13	Vessels	
2/15	Immune System - Lymphatic	22

2/18 Immune System  
*Case Study #2 Due, Cardiovascular*  
 2/20 AIDS  
 2/22 Respiratory System - Introduction 23

2/25 "  
*Meet with instructor to discuss research paper topic this week*  
 2/27 Respiratory System - Continued  
 3/1 "

3/4 Review and Catch-up  
 3/6 Digestive System 24

### **3/7 EXAM 2 - COVERS BLOOD VESSELS THROUGH RESPIRATORY**

3/8 Digestive System  
*Case Study #3 Due, Respiratory—Turn in between 3/8-3/22*

**\*\*\*\*\*3/11-3/15---SPRING BREAK\*\*\*\*\***

3/18 Digestive System  
 3/20 Digestive System - Disorders  
 3/22 Metabolism 25

3/25 Urinary System 26  
 3/27 Urinary System - Physiology  
*Case Study #4 Due, Digestive*  
 3/29 Urinary System (cont.)

4/1 "  
 4/3 Disorders, Urinary System  
 4/5 Review and Catch-up  
*Draft of Research Paper Due*

4/8 Reproduction 28  
 4/10 Reproduction - Anatomy

### **4/11 EXAM 3 - COVERS DIGESTIVE THROUGH URINARY**

4/12 Sex and Sexual Response  
 4/15 Sex and Sexual Response (continued)  
*Case Study #5 Due, Urinary*  
 4/17 Conception  
 4/19 Disorders of Reproductive System

4/22	Pregnancy and Development	29
	<b><i>Final Copy of Research Paper Due</i></b>	
4/24	"	
4/26	“	
4/29	Wrap-up	

## FINAL:

## 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	75 points
Case Study Exercises -about 5, totaling	75 points
Total	750 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.

**- The same texts will be used as last semester**

**-The same grading scale will be used as last semester. I will continue to use the +(-) scale.**

*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!!

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 1:30 – 2:30

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 it from last semester.

PHONE:        OFFICE: 784-8446

## ***ANATOMY AND PHYSIOLOGY -2002***

### ***lab schedule***

<u><b>Date</b></u>	<u><b>Topic</b></u>	<u><b>Chapter</b></u>
January 22	Endocrine System	28
January 29	Blood	29
February 5	Heart and EKG	31-33, 38
<b><i>February 12</i></b>	<b><i>PRACTICAL #1</i></b>	
February 19	Blood Vessels	34-35
February 26	Blood Vessels	34-35
March 5	Respiratory System	39-40

<p>*****3/11-3/15 SPRING BREAK*****</p>
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<b><i>March 19</i></b>	<b><i>PRACTICAL #2</i></b>	
March 26	Digestive System	42-43
April 2	Urinary System	44-45
April 9	Reproduction Development	46-47
April 16	Trip to Emory	
<b><i>April 23</i></b>	<b><i>PRACTICAL #3</i></b>	

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.**