

BIOLOGY 224L - HUMAN PHYSIOLOGY & ANATOMY II LAB Spring 2008

Wed. 1-2:50pm LS202

<i>Lab</i>	<i>Date</i>	<i>Topic</i>	<i>Lab Exercise / Chapter</i>	<i>Assignment</i>
1	Jan 16	Introduction, Syllabus Data Collection – Pulse & Respiration Lab Reports	Handout – Lab 1	Perform tests. Lab Report 1 (50 pts) DUE: Jan 28
2	Jan 23	<i>SENSORY PHYSIOLOGY</i> A. Touch, Taste, Smell, Reflexes	Handout – Lab 2	Perform tests. Assignment 1 (15 pts)
3	Jan 30	B. Vision	Handout – Lab 3	Perform tests. Assignment 2 (15 pts)
4	Feb 6	<i>SENSORY ANATOMY</i> A. Cow Eye Dissection B. Human Sensory Anatomy – models of Ear, Eye, other.	CHAPTER 11 – Sensory Organs Anatomy List 1 (Sense Organs)	* <u>Cow Eye Dissection</u> ; look at models, charts, slides. Assignment 3 (15 pts)
5	Feb 13	<i>ENDOCRINE SYSTEM</i> A. Endocrine Anatomy <i>HEART</i> A. Heart Anatomy	CHAPTER 10 – Endocrine System CHAPTER 12 – Circulatory System Anatomy List 2 (Endocrine, Heart)	<u>Study Dissected Hearts (Cow and Cat)</u> ; look at models. Assignment 4 (15 pts)
6	Feb 20	LAB PRACTICAL <u>EXAM I</u> (Anatomy Lists 1 and 2)		EXAM I (150 pts) – will cover Anatomical Terms on Lists 1 and 2.
7	Feb 27	<i>BLOOD / CELLS</i> A. Anatomy	CHAPTER 12 – Circulatory System	Look at slides; perform tests. Assignment 5 (15 pts)

		B. Blood Typing		
8	Mar 5	<i>BLOOD VESSELS</i> A. Arteries B. Veins	CHAPTER 12 and CH. 19 – Cat Dissection Anatomy List 3 (Blood Vessels, Respiratory, Urinary)	* <u>Cat Dissection</u> ; look at models, cat & cadaver. Assignment 6 (15 pts)
9	Mar 12	<i>RESPIRATORY SYSTEM</i> A. Anatomy B. Physiology	Anatomy List 3 CHAPTER 14 – Respiratory System	<u>Dissect Buffalo Pluck</u> ; look at models, slides, cat & cadaver; perform tests. Assignment 7 (15 pts)
10	Mar 19	<i>URINARY SYSTEM</i> A. Anatomy B. Physiology	Anatomy List 3 CHAPTER 16 – Urinary System	Look at models, slides, cat & cadaver; perform tests. Lab Report 2 (100 pts) DUE: April 7
(11)	Mar 24-28	<i>Spring Break</i>		(NO Assignment)
12	April 2	REVIEW for LAB EXAM II		(NO Assignment)
13	April 9	LAB PRACTICAL <u>EXAM II</u> (Anatomy List 3)		EXAM II (150 pts) – will cover Anatomical Terms on List 3.
14	April 16	<i>DIGESTIVE SYSTEM</i> A. Anatomy	Anatomy List 4 (Digestive and Reproductive) CHAPTER 15 – Digestive System	* <u>Cat Dissection</u> ; look at models, slides, cat & cadaver. Assignment 8 (15 pts)
15	April 23	<i>REPRODUCTIVE SYSTEM</i> A. Anatomy	Anatomy List 4 CHAPTER 17 – Reproductive System	* <u>Cat Dissection</u> ; look at models, slides, cat & cadaver. (NO Assignment)
Finals Week	April 28-May 2	LAB PRACTICAL <u>EXAM III</u> (Anatomy List 4)		EXAM III (150 pts) – will cover Anatomical Terms on List 4.

(16)

Date: TBA

INTRODUCTION

Instructor: TA Brett Humphrey Office hours: TBA

Office: LS250; Phone: 719-549-2775 Messages to Bio Office 210

Required Texts & Supplies

- *A Photographic Atlas for the Anatomy & Physiology Laboratory*, 6th Ed., 2007 (ISBN 10: 0-89582-698-4) Kent M. Van De Graaff, David A. Morton, & John L. Crawley, Morton Publishing, Englewood, CO.
- Dissecting kit (available at campus bookstore).
- Gloves (required) and mask (optional).

Recommended Additional Texts

- *Mammalian Anatomy: The Cat*. (1998) by Sebastiani, A.M. and D.W. Fishbeck. Morton Publishing Co., Englewood, CO, 80110.
- *McMinn's Color Atlas of Human Anatomy* (2003) by Abrahams, P.H., S.C. Marks and R.T. Hutchings, Mosby Publishing Co., St. Louis, MO.

Grading and Evaluation

3 Exams (150 pts each) 450 points

2 Lab Reports (50 pts, Report 1; 100 pts, Report 2) 150 points

8 Assignments (/Quizzes) (15 pts each) 120 points

* Attendance (minus 10 pts. for each unexcused missed lab!)

TOTAL Possible Points 720 points

Total Points Earned	% of maximum 720 points	Final Grade
648-720	90-100	A
576-647	80.0-89.9	B
504-646	70.0-79.9	C

432-503	60.0-69.9	D
0-431	<60	F

*The Department of Biology has not adopted a fractional grading policy.

Attendance Policy, Classroom Etiquette & Guidelines

- Please arrive to class on time and prepared to participate.
- Please turn cell phone and pagers OFF during class.
- **Attendance is absolutely mandatory!** Attendance will be taken each lab. Absence will only be excused for documented illness, death in the family or for university sanctioned events (athletics, forensics, etc.) as determined by the instructor and must be reported in advance (or as soon as possible). **Athletes:** Student athletes must submit to their instructor a copy of their scheduled games at the beginning of the semester. If there are any schedule conflicts, these must be resolved in the first week of class. For each unexcused absence, you will lose 10 points for attendance, AND it will *not be possible to make up the missed lab!*

Policy on Missed LABS, EXAMS and ASSIGNMENTS

- **Missed LABS** cannot be made up. If you miss a lab that week, you also miss out on the Assignment for that lab. There are four lab sections offered this term, and if you cannot make it to your regularly scheduled lab, then it is your responsibility to attend the other lab section.
- **NO MAKE-UP EXAMS** will be given except in extreme cases (a documented excused absence) as determined by the instructor on a case-by-case basis. It is your responsibility to contact the instructor *before* the exam day.
- **LATE Assignments** will be deducted 3 points for each day late past the due date.

A Note on Dissections and Cadaver

- This lab involves dissection of preserved cats and a human cadaver. Dissections are messy, so please be courteous to your fellow students and help us keep the mess to a minimum. Clean up after yourselves before leaving the lab! All members of your lab group will lose 5-10 points for each lab that is left messy.
- Make the most of your assigned time in lab. There is a great deal of material to view and learn, and there will not be time for later review sessions outside of your assigned lab time. So make sure you are confident and have completed all assignments BEFORE you leave.

Hazardous Materials Note

Laboratory specimens are preserved in embalming fluid which may contain formaldehyde, formalin and/or phenol (carbolic acid). Therefore you may wish to wear protective gloves and/or masks when handling

preserved material. Pregnant women should take extra precautions, consult your physician, and inform the instructor of your pregnancy.

ADA Statement

This University abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulate that no student shall be denied the benefits of an education “solely by reason of a handicap.” If you have a documented disability that may impact your work in this class and for which you may require accommodations, you must be registered with and provide documentation of your disability to the Disability Services Office, which is located in the Psychology Building, room 232.

BIOL224L, Spring 2008, revised 1-7-08, Gabaldón