

# Human Anatomy Laboratory: AHS 2091

# Spring 2009 Syllabus

“Naming is the beginning of understanding.”

Office Hours: Tuesday Open Lab 2pm – 5pm

Classroom: MS 3.02.22

Lab Supervisor: Chris Coteff

Instructor:

Telephone: 458-7496

Contact Information:

E-mail: Chris.Coteff@utsa.edu

## Prerequisite:

BIO 1404 – Biosciences I

BIO 1122 – Laboratory Investigations in Biology

## Course Objective: *Gain Factual Knowledge of the Human Body*

AHS 2091 supplements AHS 2083, Human Biology: Anatomy. The student studies the human body through examination of models, preserved specimens and software. You study tissues and their roles in forming the organs of the human body. The dissections of *Felis domestica* and other specimens are an integral part of this course. To be successful in this course, you will spend many hours memorizing the structures studied.

## Required:

*Human Anatomy The Laboratory Guide*, 5<sup>th</sup> Ed., C. Coteff, Coyote Photography, 2008.

## Recommended Reading:

*Human Anatomy and Physiology*, E. N. Marieb, Pearson Benjamin Cummings, 2007.

## Optional Reading:

*A Visual Analogy Guide to Human Anatomy*, P. A. Krieger, Morton Publishing, 2005.

<b>Grading</b>	Practical Exams	80%
	Pre Lab Questions	6%
	Lab Manual Exercises	6%
	Lab Technique	8%
Grade Scale:	90 – 100	A
	80 – 89	B
	70 – 79	C
	58 – 69	D
	≤ 57	F

## Exams

- Three practical examinations. Each exam counts as 26.67% of your earned grade.
- Each exam consists of 50 questions, each worth 2 points, on dissections, specimens, slides, models, diagrams and lab manual that you have studied. These questions ask for identification and, in some instances, function. Exams are limited to one hour. All answers are to be spelled correctly; 1 point is taken off for each misspelled word.
- Make-up exams are given only under certain extenuating circumstances such as death or medical problems with a note from the attending physician and are more challenging.

## PreLab Questions

- The PreLab questions are turned at the start of class. PreLabs turned before the next class earns one half of graded points. PreLabs turned in later than one week receive no points. The questions are designed to help you understand the day's lab work. It's best to answer the questions as you study during the week.

## Lab Manual Exercises

- The lab manuals are turned in for grading at the start of each exam. Five points are deducted for each incomplete exercise. Manuals are returned the same day, except for the last grading.

**Laboratory Technique Assessment;** each incident deducts 10 points from the Technique grade.

1. Missing a laboratory without prior approval and not making up the missed laboratory.
2. Absolutely no eating or drinking is permitted in the lab.
3. All electronic devices are turned off in the lab.
4. Use a pipe cleaner when examining all models.
5. Active participation within your group.
6. Careful and complete dissections.
7. Label all drawings.
8. Properly cleaning your equipment and lab table.
9. Properly storing your specimens.
10. Microscope and prepared slides: Handle slides by the edges or labels. At the beginning of each class, inspect for the following: 1) cord properly stored, 2) 4x objective in light path, 3) oculars are clean and 4) slides in order & clean.
11. Make sure that all items in your kit are present and clean at the beginning of each class period. Each kit contains: 1 scissors, 2 probes, 1 pair forceps and 1 scalpel.
12. Any missing or improperly cleaned equipment will be traced to the previous class and 10 points will be deducted from the lab technique grade for each incident. Students are encouraged to make sure all equipment is returned clean and stored properly.
13. Computer use is for lab exercises only.

### **Scholastic Integrity**

Refer to the UTSA Web page: [http://www.utsa.edu/infoguide/chap\\_5.cfm](http://www.utsa.edu/infoguide/chap_5.cfm) and the Rules and Regulations of the Board of Regents, Chapter VI, 3 (17). Any assignment, exam or quiz turned in will indicate an acknowledgement and agreement of these rules and regulations. There is no credit given for group efforts – all work must be completed individually. Students are expected to be above reproach in scholastic activities. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University.

### **Attendance**

Class attendance is critical for learning, thus attendance is required. If the need arises to miss a class, contact your instructor prior to missing your class to make arrangements to attend another section. Laboratories cannot be rescheduled.

You are expected to assist in maintaining a classroom environment that is conducive to learning. To assure all students have the opportunity to gain from time spent in class students are prohibited from engaging in any form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.

### **Resolution of Attendance or Grading Issues**

Please attempt to settle any issues concerning grading or attendance by first discussing the problem with your instructor. If the problem cannot be satisfactorily resolved, then contact Chris Coteff. The Assistant Chair of Biology is consulted if further resolution is required.

### **Laboratory Schedule**

The following pages show the laboratory schedule. Please note that separate schedules are listed for labs that meet on Mondays and Wednesdays and Fridays.

**AHS 2091 Laboratory Schedule  
Spring 2009**

**Monday Laboratories  
Sections 001, 002, 003**

12 January	Lab 1	Anatomical Orientation and Terminology Epithelial tissue
19 January	Classes do not meet.	
26 January	Lab 2	Connective Tissues Epithelial Membranes Integumentary System
2 February	Lab 3	Osteogenesis General Features of the Skeletal System Axial Skeleton
9 February	Exam 1	
16 February	Lab 4	Appendicular Skeleton Articulations
23 February	Lab 5	Muscle Tissue Motor Unit Body Movements Muscular System Biomechanics - Levers Muscles of the Body
2 March	Lab 6	Dissection and Identification of Cat Muscles
9 March	Spring Break	
16 March	Lab 6	Dissection and Identification of Cat Muscles
23 March	Exam 2	
30 March	Lab 7	Neurons Brain Spinal Cord and Spinal Nerves Eye
6 April	Lab 8	Digestive System Urinary System Reproductive System
13 April	Lab 9	Respiratory System Circulatory System
20 April	Exam 3	

23 March: Last day for sophomores and above (30 or more semester hours earned) to drop an individual course or withdraw from all classes and receive an automatic grade of "W". An individual course may not be dropped after this date without withdrawing from all classes. MUST SEE ADVISOR

27 April: Last day for freshmen (29 or fewer credit hours earned) to drop an individual course or withdraw from all classes and receive an automatic grade of "W".

**AHS 2091 Laboratory Schedule  
Spring 2009**

**Wednesday Laboratories  
Sections 004, 005, 006**

14 January	Lab 1	Anatomical Orientation and Terminology Epithelial tissue
21 January	Classes do not meet.	
28 January	Lab 2	Connective Tissues Epithelial Membranes Integumentary System
4 February	Lab 3	Osteogenesis General Features of the Skeletal System Axial Skeleton
11 February	Exam 1	
18 February	Lab 4	Appendicular Skeleton Articulations
25 February	Lab 5	Muscle Tissue Motor Unit Body Movements Muscular System Biomechanics - Levers Muscles of the Body
4 March	Lab 6	Dissection and Identification of Cat Muscles
11 March	Spring Break	
18 March	Lab 6	Dissection and Identification of Cat Muscles
25 March	Exam 2	
1 April	Lab 7	Neurons Brain Spinal Cord and Spinal Nerves Eye
8 April	Lab 8	Digestive System Urinary System Reproductive System
15 April	Lab 9	Respiratory System Circulatory System
22 April	Exam 3	

23 March: Last day for sophomores and above (30 or more semester hours earned) to drop an individual course or withdraw from all classes and receive an automatic grade of "W". An individual course may not be dropped after this date without withdrawing from all classes. MUST SEE ADVISOR

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**AHS 2091 Laboratory Schedule  
Spring 2009**

**Friday Laboratory  
Section 901**

16 January	Lab 1	Anatomical Orientation and Terminology Epithelial tissue
23 January	Classes do not meet.	
30 January	Lab 2	Connective Tissues Epithelial Membranes Integumentary System
6 February	Lab 3	Osteogenesis General Features of the Skeletal System Axial Skeleton
13 February	Exam 1	
20 February	Lab 4	Appendicular Skeleton Articulations
27 February	Lab 5	Muscle Tissue Motor Unit Body Movements Muscular System Biomechanics - Levers Muscles of the Body
6 March	Lab 6	Dissection and Identification of Cat Muscles
13 March	Spring Break	
20 March	Lab 6	Dissection and Identification of Cat Muscles
27 March	Exam 2	
3 April	Lab 7	Neurons Brain Spinal Cord and Spinal Nerves Eye
10 April	Lab 8	Digestive System Urinary System Reproductive System
17 April	Lab 9	Respiratory System Circulatory System
24 April	Exam 3	

23 March: Last day for sophomores and above (30 or more semester hours earned) to drop an individual course or withdraw from all classes and receive an automatic grade of "W". An individual course may not be dropped after this date without withdrawing from all classes. MUST SEE ADVISOR

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