

*“Naming is the beginning of understanding.”  
“Teachers open the door, but you must enter by yourself.”*

**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*, C. Coteff, Purple Shamrock Press, 2006.

**Recommended Reading:**

*Human Anatomy and Physiology*, Elaine N. Marieb, Benjamin Cummings, 2001.

<b>Grading</b>	Practical Exams	80%
	Pre Lab Questions	10%
	Lab Manual Exercises	5%
	Lab Technique	5%

**Exams**

- Four practical examinations given. Each exam counts as 20% 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. There may be difficult bonus questions given.
- 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. 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 as it will help with the day’s exercises and doing well on the exams.

**Lab Manual Exercises**

- The lab manuals are turned in for grading at the start of each exam. Two points are deducted for each incomplete exercise.

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

1. Attendance is required.
2. Absolutely no food or drink is permitted in the lab at any time.
3. All electronic devices are turned off in the lab.
4. When examining the models, use a **pipe cleaner**.
5. Participation within your group.
6. Careful and complete dissections.
7. Cleanup of your lab table and equipment.
8. Proper storage of your specimens.
9. Microscope and slide care – you are assigned a microscope and a box of prepared slides for use during the semester. Handle slides by the edges or labels. At the beginning of each class, inspect the following:  
1) all slides in order & clean, 2) 4x objective in light path, 3) oculars are clean and 4) cord properly stored.

10. A dissection kit is assigned to each student. Make sure that all items in your kit are present and clean at the beginning of each class period.
  - 1 scissors                      2 probes                      1 pair forceps                      1 scalpel
11. Any missing or improperly cleaned equipment will be traced to the previous class and 10 points will be subtracted from the lab technique grade for each incident. Students are encouraged to make sure all equipment is returned clean and stored properly.
12. Computer use is only for lab exercises. Don't rearrange the desktop.

### **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, please contact your instructor prior to missing your class to make arrangements to attend another section. Laboratories cannot be rescheduled.

A "Benefit of the Doubt" sheet is provided at the beginning of each class. If the B.O.T.D. sheet is signed every class, your earned final course grade is increased by 2 points.

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 me. If the problem cannot be satisfactorily resolved, then the Assistant Chair of Biology is consulted.

**AHS 2091 Laboratory Schedule  
Summer 2007**

**Sections 01F & 02F**

5 June	Lab 1	Anatomical Orientation and Terminology Epithelial tissue
6 June	Lab 2	Connective Tissues Epithelial Membranes The Integumentary System
7 June	Exam 1	
12 June	Lab 3	Osteogenesis General Features of the Skeletal System The Axial Skeleton
13 June	Lab 4	The Appendicular Skeleton Articulations
14 June	Exam 2	
19 June	Lab 5	Muscle Tissue The Motor Unit Body Movements The Muscular System Biomechanics - Levers Muscles of the Body
20 June	Lab 6	Dissection and Identification of Cat Muscles
21 June	Lab 6	Dissection and Identification of Cat Muscles
26 June	Exam 3	
27 June	Lab 7	Neurons The Brain The Spinal Cord and Spinal Nerves The Eye
28 June	Lab 8	The Digestive System The Urinary System The Reproductive System
3 July	Lab 9	The Respiratory System The Circulatory System
5 July	Exam 4	

25 June: 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.

2 July: 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". Courses may not be dropped or withdrawn after this date.