

HUMAN ANATOMY LAB

Spring 2010

GENERAL LAB PROCEDURES

- ◆ Review the information in the course syllabus: it lists the required lab supplies. **You will need your text in every session, so always bring it to lab.** The following websites are valuable resources for reviewing both human and cat anatomy when you can't make it into the lab:

Dr. Crimando's website at Gateway Community College:

- http://www.gwc.maricopa.edu/home_pages/crimando/jcHumanBiodyssey.htm

Dr. Strauss's website at Penn State University (excellent for cat musculature)

- <http://homes.bio.psu.edu/people/faculty/strauss/anatomy/biology29.htm>

- ◆ Review the exam and grading system in the course syllabus. Lab exams are heavily practical, which requires a different type of studying than for a traditional multiple-choice exam.
- ◆ The students who spend the most time in lab are the ones who earn the best grades. **You are expected to stay the entire 3-hr lab session**, but I encourage you to take a break to get some fresh air.
- ◆ **ONCE IS NOT ENOUGH!** You will not be able to learn anatomy solely in the scheduled lab session each week nor by studying solely from the Anatomy & Physiology Revealed CD-ROM. Studying at home will be essential, **but you should also schedule two additional lab sessions on your own each week.**
- ◆ Lab materials are available all week long, days & evenings. If the lab (Rm. 114) is being used by other courses, everything will be on a cart in the hallway: just take them to an open room (ask the Secretary or me). For evenings, contact the night General Biology instructor before classes begin at 6:20 PM, or call me to leave the room unlocked. On weekends, access will be at selected times.

Passwords for the computers in Rm 114 → User name: cameron

Password: curocks

LABORATORY SAFETY

Preservatives are much safer than in the past, but still represent a potential hazard. Reducing that risk simply requires common sense.

- ◆ Wear clothing that covers your feet and legs (no open-toed shoes).
- ◆ Always wear gloves when handling preserved specimens.
- ◆ Wash your hands and forearms as soon as you take off your gloves.
- ◆ **Clean your dissection area after dissection.**
- ◆ **NO FOOD OR DRINK IN THE LAB.** This protects you against contamination from dissection fluids or materials.
- ◆ Find and remember the location of the emergency eye-wash station and First Aid kit. Use if necessary, and notify me immediately.
- ◆ Contact lenses may present a hazard in the lab. Vapors from preservatives can be absorbed by or trapped beneath the lens, and can irritate your eye. I recommend you wear glasses, if this is possible. If not, be sure to wash your lenses immediately after completing lab.

Scalpels are extremely sharp and also represent a potential hazard.

- ◆ Always cut on a proper surface.
- ◆ Never cut towards any part of your body.

HUMAN ANATOMY LAB SCHEDULE

Spring 2010

All Lab Exercises are in your *Human Anatomy Lab Manual*. Additional resources are available on my Anatomy Lab web page (<http://www.cameron.edu/~rong>), linked to the topics below.

Pre-lab Assignments 1, 12, & 13 are graded and due at the beginning of class and will not be accepted late, nor if you skip lab. All other pre-labs are FYI and not graded **but are very beneficial**. Figures are available on the lab website.

WEEK	beginning:	Lab	Topics	Pre-lab Assignment
Jan. 11		1	Body as a Whole; Body Regions Histology	Microscope Care & Use
Jan. 18		2	Quiz 1/ Integumentary system Skull & Cranial nerves	FYI → Fig. 7.3 & 7.4a DO NOT LABEL EVERY FEATURE IN THE ORIGINAL TEXT ART. Label only those features (and <u>all of those</u>) assigned in your lab manual.
Jan. 25		3	Facial muscles Axial skeleton	Fig. 11.3a & b
Feb. 1		4	EXAM I (210 points)	Variation in the Axial Skeleton
Feb. 8		5	Articulations Upper limb bones	
Feb. 15		6	Head & Neck muscles Upper limb muscles	Fig. 11.7 Fig. 11.14, 12.3b, 12.8a & d
Feb. 22		7	Review	
Mar. 1		8	EXAM II (130 points) then, Lower Limb bones	Variation in the Upper Limb Skeleton & Musculature
Mar. 8		9	Lower Limb & Trunk muscles	Fig. 11.13, 12.14, 12.15 Fig. 12.17a, 12.18
Mar. 15		NO LABS → SPRING BREAK		
Mar. 22		10	Complete and review Lower Limb & trunk	
Mar. 29		11	EXAM III (120 points) Viscera (Lab 12 --Respiratory, Digestive, Urogenital)	
Apr. 5		12	Viscera	
		12a	Sheep eye	SEE LAB 12a ASSIGNMENT
		12b	Human nervous system (including sheep brain)	Section I
Apr. 12		13	Cardiovascular system (including sheep heart)	SEE LAB 13 ASSIGNMENT Section I
Apr. 19		14	Cardiovascular & Visceral Review	
Apr. 26		15	EXAM IV (240 points)	