

Human Anatomy Laboratory

BIOL 2325

Spring 2012

Course Description: Lab sections 03, 04, 05, 06

Room SCA 006

This laboratory course accompanies BIOL 2320 and is designed to help you visually and kinesthetically identify the structures you are learning about in lecture. As part of this course, you will have the opportunity to observe cadavers, to perform dissections of selected organs, and to study a variety of models and prepared microscope slides.
(1 credit) Co-requisite: BIOL 2320

Objectives:

- View the major regions and cavities of the body.
- Microscopically examine the structure of the tissue types of the body.
- Recognize the major bones and bony landmarks of the skeleton.
- Identify the major muscles based on visual examination.
- Review the features of the human brain and contrast this to a sheep brain.
- Learn proper dissection techniques of the eye, heart and kidney.
- Examine the digestive system of the human cadaver.

Contact Hours:

Instructor: Debra Hanson
Office hours (SCA-203):
M 11:00-11:50 am; R 9:00-9:50 am
MWF 2:00-2:50 pm

Open door policy.
Phone: 865-8129 (local)
E-mail: Hanson@SUU.edu

Required Text

Human Anatomy Laboratory Manual 3/E by Smetanka, Tufte
ISBN 978-1-59871-466-1

Colored pencils

Bring your lecture textbook to lab for reference.

Lab Reports/ Grading:

- **Attendance:** A visual and hands-on experience is critical to the experience of the lab so you must participate in the labs to get credit. Spend your time going over the models, anatomical software, doing dissections and microscope work. The lab reports are a guide to assist you in learning the material but will not be graded so do the paperwork at home. You are expected to **use the lab time to identify structures**. There is no provision for make-up labs or exams but you may attend one of MY other labs if there is room. Please see me if you will be missing lab. You are responsible for any information missed due to absence.

- **Be prepared and on time:** Read through the lab prior to class and complete the pre-lab portion (10 points) before lab begins. If you arrive late, it is an automatic 20% reduction on the pre-lab.
- **Lab quizzes:** There will be a 20 point quiz at the end of each lab so plan to participate in the activities and to stay for the entire lab to get credit.
- **Lab practical exams:** Lab practical exams are not comprehensive and will be based on material from the previous three or four labs. Yes, spelling counts! There are no make-up practical exams and the exam can only be taken once.
- **Guidelines:** During labs, follow the safety guidelines listed below. Before you leave, check your area to see that all equipment is properly stored. Failure to properly clean and store equipment will result in a 10% reduction for that lab. Please handle the microscopes and dissection tools with care!

12 Pre-labs @ 10 each	120
10 Lab Quizzes @ 20 each	200
3 Lab Practical Exams @ 50 each	<u>150</u>
Total points	470

Grading Scale	87-89 B+	77-79 C+	67-69 D+	
93-100 A	83-86 B	73-76 C	63-66 D	<60 F
90-92 A-	80-82 B-	70-72 C-	60-62 D-	

Laboratory Safety guidelines

1. Do not eat, drink, smoke, store food, or apply cosmetics in the laboratory.
2. Wear shoes at all times. A lab coat may be required. Wear disposable gloves when working with chemicals, body fluids and dissection specimens.
3. Use only disposable lancets and needles.
4. Before leaving the lab, wash and put away all equipment. Properly clean and store the microscopes.
5. Report all accidents immediately. For spills in or near the eyes, immediately and thoroughly rinse with water. Do not dispose of solids in the sink.
6. Science classes are inappropriate for children and because of safety issues no children may be present during lab.
7. Never work in the laboratory alone. Do not perform unauthorized experiments or use equipment without instruction. Be respectful. Follow directions carefully.
8. Wash your hands thoroughly before leaving the laboratory.

Tentative Schedule:

Section 03 CRN 10131 Wednesday 3:00-4:50 pm
 Section 05 CRN 10133 Thursday 10:00-11:50 am
 Section 06 CRN 10134 Wednesday 10:00-10:50 am

<i>Wed/Thurs</i>	<i>Lab #</i>	<i>Topic</i>
Jan 18/19	1	Body Orientation
Jan 25/26	2	Histology
Feb 1/2	3	Axial Skeleton
Feb 8/9	4	Appendicular Skeleton and Joints
Feb 15/16	---	EXAM 1
Feb 22/23	6	Muscles of Upper Limb
Feb 29/ Mch 1	5	Muscles of Lower Limb
Mch 7/8	---	Muscle review
Mch 14/15	---	--- <i>Spring break</i> ---
Mch 21/22	7	Nervous System
Mch 28/29	---	EXAM 2
Apr 4/5	8	Special Senses
Apr 11/ 12	9, 10	Heart/ Blood Vessels
Apr 18/19	12, 13	Digestive, Urinary
Apr 25/26		EXAM 3

Tentative Schedule:

Section-04 CRN 10132 Friday 10:00-11:50 am

<i>Friday</i>	<i>Lab #</i>	<i>Topic</i>
Jan 13	1	Body Orientation
Jan 20	2	Histology
Jan 27	3	Axial Skeleton
Feb 3	4	Appendicular Skeleton and Joints
Feb 10	---	EXAM 1
Feb 17	6	Muscles of Upper Limb
Feb 24	5	Muscles of Lower Limb
Mch 2	7	Nervous System
Mch 9	---	EXAM 2
Mch 16	---	--- <i>Spring Break</i> ---
Mch 23	---	--- <i>Science Fair</i> ---
Mch 30	8	Special Senses
Apr 6	9, 10	Heart/ Blood Vessels
Apr 13	12, 13	Digestive, Urinary
Apr 20	---	EXAM 3

Policies

ACADEMIC INTEGRITY POLICY:

Scholastic dishonesty will not be tolerated and will be prosecuted to the fullest extent. Students are expected to have read and understood the current issue of the student handbook (published by Student Services) regarding student responsibilities and rights, and the intellectual property policy, for information about procedures and about what constitutes acceptable on-campus behavior. Academic integrity violations of any type during exams or labs will result in an automatic zero! Violations of integrity include:

- Uses or obtains unauthorized assistance in any academic work:
 - Copying from another student.
 - Using notes or other aids of any kind during an exam.
 - Possessing a stolen copy of an exam.
 - Use of any type of electronic device (cell phone, texting, head phones, calculator...) during an exam.
- Gives fraudulent assistance to another student:
 - Giving answers to or sharing answers with another student.
- Knowingly represents the work of others as his/her own or represents previously completed academic work as current.
- Fabricates data in support of an academic assignment.
- Inappropriately or unethically uses technological means (such as the Internet) to gain academic advantage.

ADA STATEMENT:

Students with medical, psychological, learning or other disabilities desiring academic adjustments, accommodations or auxiliary aids will need to contact the Southern Utah University Coordinator of Services for Students with Disabilities (SSD), in Room 206F of the Sharwan Smith Center or phone (435) 865-8022. SSD determines eligibility for and authorizes the provision of services.

EMERGENCY MANAGEMENT STATEMENT:

In case of emergency, the University's Emergency Notification System (ENS) will be activated. Students are encouraged to maintain updated contact information using the link on the homepage of the *mySUU* portal. In addition, students are encouraged to familiarize themselves with the Emergency Response Protocols posted in each classroom. Detailed information about the University's emergency management plan can be found at <http://www.suu.edu/emergency>

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DROPS/ AUDITS/ INCOMPLETES:

Drop slips will be signed without contention in compliance with university deadlines. If you drop the lecture, you must also drop the lab. Audits and incompletes will only be granted in rare, severe circumstances and require a signed contract. At least 75% completion and a passing grade for each of the grade check dates are mandatory for any incomplete.

DISCLAIMER:

Information contained in this syllabus, other than the grading, late assignments, makeup work, and attendance policies, may be subject to change with advance notice, as deemed appropriate by the instructor.