

Biology 250- Human Anatomy

Spring 2011

Instructors: Krista M. Granieri

Office Hours: Tuesday 4:30-5:30pm

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Lecture: Tuesday 5:30-8:30pm

Lab: Monday or Wednesday 5:30-8:35pm

Lab Instructors: Huy Tran (tranh@smccd.edu)

LK Sengupta (senguptal@smccd.edu)

Student Learning Outcomes

1. Identify the structures of the body by systems.
2. Relate the structure to the function of anatomic structures.
3. Manipulate cadaver dissections and other lab specimens to understand structural relationships in the body.
4. Learn the aspects of normal functioning in order to relate to clinical issues.

Text Book:

A current college level anatomy textbook:

I like Marieb/Mallat *Human Anatomy* or Marieb's *Human Anatomy and Physiology*

You can use another book if you prefer.

Lab Requires:

The Anatomy Coloring Book- 3rd ed. By Wynn Kapit & Lawrence Elson

Difiore's Atlas of Histology- 10th or 11th ed.- by Victor Eroschenko

You will also need:

Disposable gloves that fit you (Long's, Rite Aid, Etc.)

A lab coat or a scrub jacket with long sleeves

Grading Protocol:

Your grade will be based on the following:

Lecture Exams (4 @ 100pts each)	400
Lab Practical Exams (4 @ 50pts each)	200
Exit quizzes (lab)	100
<u>Lab/Lecture Assignments</u>	<u>100</u>
Total	~800

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F < 60%

Lecture Exams: (100pts each) Lecture exams may include any material covered in the lectures up to the lecture prior to the exam date. Exam material may also come from concepts covered during lab lectures as these are integral to the material learned in lecture. These exams will contain some multiple choice, true/false, fill-in and short answer questions. There will be about 50-60 questions on each exam. You will need a Scan-tron 882-E form for each exam.

Lab Practical Exams: (50pts each) Lab practical exams require students to identify and label structures from models, tissue samples and cadavers. Answer sheets will be provided for these exams. They will be about 50 questions each.

Lab Assignments: (~10pts each) Lab assignments will be based on completion of the histology drawings and other handouts. Each assignment is worth about 10points. When you have completed

the assignments, show your lab instructor your completed work and the points will be recorded. Assignments will be due periodically. A 10% penalty will be applied to labs turned in after the due date. Assignments must be completed and recorded prior to the test on those sections. The labs will primarily be conducted as “open lab” periods, during which students are free to work on their assignments at their own pace (although, we will set guidelines). You should keep a lab binder, where you can keep your drawings, handouts and lab notes.

Exit Quizzes: (~10pts each) Quizzes will be given near the end of the lab periods during most labs. These are short quizzes on the recent material.

Hours By Arrangement: One hour by arrangement (HBA) is required per week for this class. You **must** complete a total of 17 HBA to fulfill this requirement. You may attend open lab, study in the ISC, or complete another qualified project (or some combination of the above). A schedule for open lab hours in the Anatomy lab is available at : www.smccd.edu/accounts/martin/anatopenlab.html.

Other Class Information:

Class Attendance Policy: Students are expected to attend lecture and laboratory periods regularly. In-class assignments will be given and students who miss class will not be able to make them up.

MISSED EXAMS: If you miss an exam (for a valid & documented reason) and you contact me within 24hrs, I will *try* to accommodate a make-up exam, as my schedule permits. *No guarantees!* If you miss more than one exam or if you miss the final you will not pass the course. **NOTE: Lab practicums cannot be made up under any circumstances.**

Drop Policy: Students are responsible for dropping a class and must fill out the appropriate paperwork by the above deadline to officially drop the course. I reserve the right to drop students who have missed 2 or more exams or 3 or more labs.

Special Needs: If you need special accommodations (for learning or physical disabilities), please see me after the first class so that I can make appropriate adjustments in the class to meet your needs. You may visit the Learning Disability Center if you have any questions.

Cheating Policy: College of San Mateo (and this instructor) has a strict no cheating policy. Students found cheating on class examinations or any other assignments may be expelled from this class.

Biology 250 - Tentative Schedule

Week	Date	Lecture Topic	Lab Topic
0.5	W 8/17		Anatomical Terms Handout Lab Safety Sheets
1	M 8/22-24	Intro to Anatomy: Terminology Body Systems, Homeostasis & Pathology	Anatomical Terminology, Body Cavities, Serous Membranes, Bones
2	M-8/29-31	Cells: Structure and Function Microscopic Anatomy: Histology	Bone Histology Axial Skeleton

3	M 9-5 (*) T 9-6 W 9-7	Skeletal System: Structure, Growth, Functions & Movements Axial & Appendicular Bones	Appendicular Skeleton (*no Monday lab this week)
4	M 9/12-14	Exam 1 Integumentary System	Articulations Intro to Microscopes/Histology
5	M9/19-21	Muscle: Function & Histology Muscles: Function & Musculature	Lab Practical 1 Histology: Connective/Epithelial Integumentary System
6	M 9/26-28	Nervous System: Histology, Function & Organization	Integumentary System Continue Histology
7	M10/3-5	Nervous System: CNS & PNS	Muscles: Head, Neck and Upper Limbs
8	M 10/10-12	Exam 2 Nervous System: Senses	Muscles: Trunk, Lower Limbs
9	M 10/17-19	Endocrine System: Glands and Hormones	Brain & Cranial Nerves
10	M 10/24-26	Immune System	Lab Practical 2 PNS: Spinal Cord & Nerves
11	M10/31-11/2	Circulatory System: Blood Circulatory System: Blood Vessels	Eyes & Ears, Cow Eye Dissection Endocrine Organs, Histology
12	M 11/7-9	Exam 3 Lymphatic System	Heart & Blood Vessels
13	M 11/14-16	Circulatory System: Heart Respiratory System	Lymphoid Tissues & Blood Cells
14	M 11-21 T 11-22 W11-23 (*)	Digestive System Nutrition	Lab Practical 3 Respiratory System
15	M 11/28-30	Urinary System Male Reproductive System	Digestive System
16	M 12/5-7	Female Reproductive System Review	Urinary System Reproductive Systems
17	T 12/13	Final Exam	