

HUMAN ANATOMY
Biology 2320
Spring Semester, 2012

Instructor: Melaney Birdsong Farr, M.S.
Office: Office hours: *M 11:00-11:50 AM, W 12:00-12:50 (RWD SI317), F appointment only*
TR 9:00 -9:50 PM (SCC N?)
or by appointment
Phone: 957-4193 Redwood (You may leave a voice mail message if I do not answer)
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Website: <http://www.melaneyb.com> All assignments, grades, announcements, and class cancellations will be posted on this website.

BIOL 2320 Course Description: For Health Science and Biology Majors. Introduction to the human body using a systemic approach. Structural relationships are evaluated by macro- and microanalysis.

- **PREREQUISITES:** *You should have taken BIOL 1610, and earned a C or better before enrolling in this course. If you have not completed one of these prerequisites, you may be dropped from this course.*
- **COREQUISITES:** You must be concurrently enrolled in BIOL 2325 (Human Anatomy Lab).

Course Objectives:

The objective of this course is to provide students with the necessary anatomical fundamentals required for more advanced courses within the health sciences. Our approach will include microscopic anatomy of tissues, embryological development, as well as examination of macroscopic structure.

Topics addressed in lecture will be:

- Anatomical terminology and human body plan
- Histology
- Integumentary system
- Skeletal system
- Muscular system
- Nervous system
- Cardiovascular system and circulation
- Lymphatic system
- Urinary system
- Reproductive system
- Other body systems may be addressed in the laboratory

Course Format:

- Lectures will be presented on the above topics (as time allows).
- Corresponding sections in the textbook will be assigned.
- Some pertinent supplemental reading and/or homework assignments may be assigned.

REQUIRED TEXTS AND OTHER MATERIAL: These items are available at the SLCC Bookstore

Required Text Book:	<i>Human Anatomy, 3 ed.</i>	McKinley & O'Loughlin
Required Lab Books:	<i>Human Anatomy Lab Manual</i> to accompany Human Anatomy by McKinley	Eckel
Required technology:	Turning Technologies ResponseCard NXT 'clicker'	

Tests and Quizzes:

- Quizzes will be administered using the electronic 'clicker' student response system. These quizzes will be worth 5% of each sectional exam score.
- All sectional written exams will be given only during scheduled class times. You will have the entire period to take the exam. IT WILL NOT BE POSSIBLE TO TAKE AN EXAM AT ANY TIME OTHER THAN WHEN SCHEDULED. NO EXCEPTIONS! THERE ARE NO MAKE UP EXAMS. If you miss an exam you may consider that your dropped exam.
- **The final examination will be comprehensive (100 points).**
- **Cheating on the quizzes and examinations will not be tolerated and will result in expulsion from the course.**

Grading:

(4 sectional exams minus lowest score)	300 points
Final Exam	100 points
Laboratory	100 points.

- There will be a total of only 500 possible points because **the score from one sectional examination will be dropped**. If you miss an examination, that examination will be considered as your dropped score. You may obtain permission to drop your final exam at the end of the semester IF you are making a 90% or above in the course.
- The scores for your laboratory will not be dropped.
- Your final grade will be determined from the following:

Grade	Percentage
A	90-100
B	80-89
C	70-79
D	60-69
E	<60

- A score which is within 2 points of the cutoff between two letter grades will have a + or a - added to the letter as appropriate.

Cell Phone Policy:

Use of cell phones or other electronic (noise-making) devices during class is not allowed. All cell phones must either be on silent mode, turned off, or left at home. **In order to encourage the class to respect this policy, the opportunity to earn bonus points will be offered on each test, provided that cell phones do not ring in class.** This policy will be explained in detail during the first class meeting.

Learning Outcomes Assessment:

SLCC is committed to fostering and assessing the following student learning outcomes in its courses:

- *Acquiring substantive knowledge in the field of their choice
- *Developing quantitative literacies
- *Developing the knowledge and skills to be civically engaged
- *Thinking critically
- *Communicating effectively

Student Preparation:

This course will require considerable student preparation and study time. To that end, a successful student will need to:

- Attend lecture regularly.
- Preview textbook material and notes before the material is covered in class.
- Bring textbook to class as a reference.
- Review notes and other material on a daily basis.
- Heed this recommendation for science students: for each hour in class, the student should expect to spend 2-3 hours studying the material outside of class in order to be successful in the course.
- This class will require considerably more time than you think is 'fair.' Students spend, on average, 10 hours outside of class per week studying for this course, and that will generally get a student an 'average' grade. Between lecture and lab, you will be spending almost 10 hours in class per week, so a good goal for study time would be about 20 hours.

I have also posted some study skills recommendations on my website.

WITHDRAWAL:

If you decide to withdraw from the course, you may do so before the published withdrawal date (**3/13/12**). No student may withdraw from a course after the published withdrawal date.

Final Grade:

Your final grade will be available on the web (www.slcc.edu) or at 957-6200 by **5/9/2012**.

Additional Information:

Students with disabilities needing accommodations such as: special test arrangements, note taking, taped textbooks, tutoring, equipment, etc., please contact me and/or the Disability Resource Center (DRC) in the Redwood College Center Room 230; 957-4659 (voice) or 957-4646(TDD).

TENTATIVE Class Schedule and Readings

WEEK	LECTURE TOPIC	Text Chapters
1	Introduction and Syllabus Anatomic Terminology	1 and 2
2	Anatomic Terminology Histology: Epithelial Tissues	1 and 2 4
3	Histology, continued: Connective Tissues, Muscle Tissue, Nervous Tissue (assignment)	4
4	Bone	6
5	Midterm Examination #1 (Anatomic Terms, Histology, Bone) <i>Integument</i>	5
6	Arthrology Muscle Function and Muscle Tissue	9 9, 10
7	Muscles of the Body Introduction to the Nervous System Nervous Tissues	11 12
8	CNS: Meninges and CSF	13
9	CNS: Brain and Cranial Nerves Peripheral Nervous System: Spinal cord and Spinal Nerves	14
10	Midterm Examination #2 (Integument, Arthrology, Muscle Tissue, Nervous Tissue, Brain and Cranial Nerves, Spinal Cord and Spinal Nerves) Autonomic Nervous System	15 (selected parts)
11	Cardiovascular System: Heart	18
12	Cardiovascular System: Blood Vessels	19
13	Midterm Examination #3 (Autonomic, Heart, Vessels) <i>Cardiovascular System: Blood and Lymphatic System</i>	17 and 20
14	Urinary System	23
15	Reproductive System Midterm Examination #4 (Blood, Urinary, Reproductive)	24
16	Final Examination	COMPREHENSIVE

NOTE: ALL TEST DATES ARE TENTATIVE, AND WILL PROBABLY CHANGE AS THE SEMESTER PROGRESSES.

IMPORTANT DATES

January 9: Classes begin

January 16: MLK Holiday – no classes

January 17: Last day to add

February 20: President's Day Holiday – no classes

March 13: Last day to drop with a 'W'

March 19-24: Spring Break – no classes

April 27: Reading Day – no classes

April 30-May 3: Final exams

May 9: Grades available