

# Skyline College

## Syllabus for Biology 250 Human Anatomy

**Instructor:** John McDaniel  
**Instructor's email:** mcdanielj@smccd.edu

**Office Hours:** T/TH by Appointment 2:15pm-2:45pm

**Office Location:** Catch me in the classroom/lab or make an appointment for room 7102

<b>Scheduled Times:</b>	Lecture: Tues/Thurs	9:35am until 10:50am
	Lab Section <b>AA</b> : Tues	11:10am until 2:15pm
	Lab Section <b>AB</b> Thurs	11:10am until 2:15pm
	Scheduled Rooms:	Lecture: Room 2306 Lab: Room 7210

### Course Description

Biology 250 is a 4 unit, one semester course in human anatomy. This course is an overview of all of the organ systems of the human body covering gross and microscopic anatomy.

The first lecture topics will be nomenclature/terminology, an overview of the human body, orientations, cytology, histology and embryology. The subsequent lectures will incorporate this base knowledge in the discussion of the major organ systems; integumentary, skeletal, muscular, nervous, cardiovascular, blood, lymphatic, respiratory, digestive, renal, endocrine and reproductive systems.

The lab component integrates the lecture material with a practical hands-on approach. The student learns to identify human anatomy through the use of microscopes, dissections, models and diagrams/charts.

In addition, you are required to complete a minimum of 17 hours of open lab time. This can be during open lab hours or by coming to the lab where you are not enrolled. Ie. You have the Tuesday lab and you also attend three one hours of the Thursday lab each week. There will be a sign-in protocol to keep track of your time.

### Required Texts

*Human Anatomy & Physiology*, 8<sup>th</sup> Edition (2007), E. Marieb, Katja Hoehn, Pearson-Benjamin Cummings  
*Skyline Human Anatomy Lab Manual*, by Christine Eckels

### Methods of Instruction

The class will have lecture and lab components, which will involve class discussion, in class and home assignments, group Exercises, demonstrations and video presentations. ***It would be advisable for students to preview the lecture chapters and lab material prior to the classes and labs.***

### Methods of Testing/Grading

The tests for this course will be formatted as multiple choice, short answer, true/false, matching and diagrams. Therefore, ***each lecture test will require a scantron card number 882E***, which are available at the bookstore. For the lecture component, there will be two midterm examinations and a cumulative final exam. The laboratory material will be tested in two lab practical exams. Lab exams are all short answer type, no scantron. Lab assignments will be given during the scheduled lab time and collected at the beginning of the following lab day. *(Please see attached the breakdown of point distribution.)*

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### **Attendance**

Regular attendance is expected and essential to success in this demanding course. Absences will jeopardize the student's final grade and/or enrollment in this course. If the student misses a lab session, quiz, exam and/or lab practical it **cannot** be made-up without **prior approval** of the instructor. **Please notify the instructor, in advance, verbally or via e-mail if you are unable attend a specific class or lab.** Three unexcused absences loses 5 points. Six absences will result in being dropped from the class by the instructor. Missed exams will receive a grade of 90% of that received on the similar final (lab or lecture).

### **Class conduct, Academic Integrity, Etc**

Please turn off cell phones and limit class noise, as it is distracting to the other students as well as the instructor. Penalties may be enforced upon the student for these offenses. Class disruptions will result in 2 verbal requests followed by a written dismissal from the class. You, the student, are responsible for adhering to the Code of Student Conduct outlined in the Skyline College Catalog.

**Cheating will not be tolerated.** Please see pages 30-31 in the Skyline College Catalog, which has a complete statement defining cheating and plagiarism. Punishment may range from an "F" on the assignment to an "F" in the course and/or referral to the Skyline College Disciplinary for sanctions, which could range from a warning to expulsion.

### **Withdrawal Policy**

It is the responsibility of the student to drop the course. If you do not take the appropriate actions to assure that this has been done, an "F" will appear on your transcript.

### **Course Evaluation**

The student's course work will be given a letter grade in accordance with the following percentage scale:

A =	90-100%
B =	80-89%
C =	70-79%
D =	51-69%
F =	0-50%

The student's grade will be based upon the following criteria:

2 Midterms (cumulative)	30% (MT1=10% & MT2=20%)
Final Lecture (cumulative)	25%
2 Lab Tests (cumulative)	30% (Lab1=10% & Lab 2=20%)
Lab Reports	10%
Attendance & Participation	5% (Awarded for 100% attendance lecture and lab)
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Total	100%

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*This is an outline of what we will attempt to accomplish this semester. We may alter some of the content within each class. Dates may change depending upon how the course proceeds.*

### Biology 250 Lecture Schedule

### Lab Schedule

<u>Week</u>	<u>APPROXIMATE LECTURE</u>	<u>CHAPTERS</u>	<u>date</u>	<u>Lab#</u>	<u>LAB TOPIC</u>
1	Orientation Lecture				
1	Intro/Terminology	(1)	8/18	Ch. 1 & 2	The Human Anatomy Laboratory and The Microscope
2	Cytology	(3)	8/25	Ch. 3 & 4,	Cellular Anatomy & Histology
2	Histology	(4)			
3	Integumentary System	(5)	9/1	Ch. 5 & 6,	Integument & Bone Anatomy
3	Skeletal System <i>Bones &amp; Cartilage I</i>	(6 & 7)			
4	Skeletal System <i>Bones &amp; Cartilage II</i>	(6 & 7)	9/8		Ch 7 Axial Skeletal System
4	Skeletal System <i>Bone &amp; Joints</i>	(7 & 8)			
5	<b>MIDTERM Ch 1 through Ch 7</b>				
5	Skeletal System <i>Bone &amp; Joints</i>	(7 & 8)	9/15		Ch 8 & 9 Appendicular Skeleton and Articulations
6	Muscle and Muscle Tissue	(9)	9/22	Ch 10 & 11	Muscle Tissue, Intro Muscular System & Axial Muscles
6	Muscular System I	(10)			
7	Muscular System II	(10)	9/30	Ch 12	Appendicular Muscles
7	Fundamentals of Nervous System and Tissue I	(11)			
8	Central Nervous System	(12)	10/6		<b>AA Lab Exam 1 Through Ch 10</b>
8	Central Nervous System	(12)			<b>AB Lab Exam 1</b>
9	Peripheral Nervous System	(13)	10/13	Ch 13 Nervous Tissues & Ch 14 Brain	<b>(sheep brain dissection) &amp;</b>
9	Autonomic Nervous System	(14)		Ch 15 Cranial Nerves	
10	Special Senses	(15)	10/20	Ch 16 The Spinal Cord and Spinal Nerves	All plus <b>cow eye dissection</b>
10	Endocrine system	(16)		Ch 17 The Nervous system: General and Special Senses	
11	<b>MIDTERM 2 Ch7 – 15 cumulative</b>		10/26	Ch 18 The Endocrine System & Ch 19 Blood &	
11	Blood /Cardiovascular System I	(17 & 18)		Ch 20 The Cardiovascular Sys.: The Heart &	<b>sheep heart dissection</b>
12	Cardiovascular System I	(18)	11/3	Ch 21 Vessels and Circulation	
12	Cardiovascular System II & Lymphatic System	(19 & 20)			
13	Respiratory System I	(22)	11/10	Ch 22 The Lymphatic System & Ch 23 The Respiratory System	
13	Respiratory System II	(22)		No Thursday lab due to Flex Day, Need to cancel Tues, too.	
14	Digestive System I	(23)	11/17	Ch 24 The Digestive System	
14	Digestive System II	(23)			
15	Renal System I	(25)	11/23		Tues labs only
15	No class on Thursday. It's Thanksgiving!				
16	Renal System II	(25)	12/1	Ch 25 The Urinary System & Ch 26 The Reproductive System	
16	Male Reproductive System	(27)			
17	Female Reproductive System	(27)	12/7	<b>AA Lab Exam 2</b>	11:15am -2:00pm in lab room
17	Review/open lab		12/9	<b>AB Lab Exam 2</b>	11:15am -2:00pm in lab room
Thurs – 12/16 8:10 am		<b>FINAL EXAM</b>			