

**Anatomy (ABIO 232)
Spring 2008, Sections 001 & 002**

Instructor for Lecture and Lab Section 002 (Wed):

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Instructor for Lab Section 001 (Mon):

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Lecture: BSED 140: MWF 9AM – 9:50AM
Laboratories: SBDG 104: M 11AM-1:40PM (001); W 11AM-1:40PM (002)

Textbook: Human Anatomy by McKinley and O’Loughlin

Lab Manual: Human Anatomy Laboratory Manual w/ Cat Dissection by Marieb

Lab Supplies: Dissection kit with scissors, scalpel, probe and gloves.

Course Description/ Objectives: A survey of the organization, structure, function and development of human anatomical systems. Students should become adept at identifying and describing the organization, structure and development of the human body across the hierarchy of cells, tissues, organs, and systems.

Evaluation: You will earn your final grade based on the following activities:

5 Lecture Exams	100 points each	500 points
1 Final Exam	150 points	150 points
4 Lab Exams	100 points each	400 points
5 Lab Quizzes	20 points each	100 points
Participation	20 points	20 points
Paper	30 points	30 points
Total:		1200 points

Grading Scale:

<u>Letter Grade</u>	<u>Points Earned</u>
A	1080-1200
B+	1032-1079
B	960-1019
C+	912-959
C	840-899
D+	792-839
D	720-779
F	below 720

The above numbers are point cut offs for each letter grade. There will be no “rounding up” to the next grade no mater how close you are. There will be no extra credit assignments offered.

Lecture Exams: Lecture exams will cover only the material presented since the last exam. Lecture exams can not be made up unless under extraordinary, documented circumstances. Lecture exams may be composed of a combination of multiple choice, true/false, matching, short answer and essay questions. You will **NOT** need a scantron sheet for lecture exams.

Final Exam: The final exam will be 50 points of new material (sensory and endocrine systems) as well as 100 points of material from the entire course. The format will be similar to the lecture exams.

Lab Exams: Lab exams will be given in a round robin format where the students rotate between 20-25 stations with 4-5 questions at each station. Lab exam questions will address the identification of a labeled structure and be short answer. Due to the time involved in setting up a lab exam there will be no lab exam make-ups.

Quizzes: Quizzes will be given in lab as noted on the calendar and will address information from the previous lab. These quizzes may be of any format including multiple choice, short answer, true/false, identification, discussion or essay.

Participation: This includes good laboratory etiquette such as cleanliness and teamwork as well as participation in discussions.

Paper: You will be asked to write a paper on a medical, pharmacological or exercise science aspect of the topics we cover in lecture and lab. This will hopefully help you relate the content we are learning to your chosen field of study. More information on format and possible topics will be given at a later date.

Additional Comments:

You are expected to follow the honor pledge on every assignment:

“On my honor as a University of South Carolina at Aiken student, I have neither given nor received any unauthorized aid on the assignment/examination. To the best of my knowledge, I am not in violation of academic dishonesty.” This includes plagiarism which will be covered in more detail when I assign papers.

If you have a physical, psychological and/or learning disability which might affect your performance in this course please contact the Office of Disability Services, 126A B&E, (803)641-3609 as soon as possible.

If you have questions or need help with anything in this course please email me and set up an appointment to meet. I will generally be available every afternoon (except Tuesday) but I can not guarantee I will be in my office unless you set up an appointment with me.

Spring 2008 Lecture Schedule

Date	Lecture Topic	Chapter (McKinley)
M 1-14	Syllabus, Intro to Anatomy	1
W 1-16	Cell I	2
F 1-18	Cell II	2
M 1-21	NO CLASS	
W 1-23	Development, Meiosis	3
F 1-25	Tissues I	4
M 1-28	Tissues II	4
W 1-30	Catch up day/ exam review	
F 2-1	EXAM 1	1,2,3,4
M 2-4	Skin	5
W 2-6	Skeleton I	6
F 2-8	Skeleton II, Articulations I	6, 9
M 2-11	Articulations II, Muscles I	9, 10
W 2-13	Muscles II	10
F 2-15	Muscles III	10
M 2-18	Catch up day/ exam review	
W 2-20	EXAM 2	5,6,9,10
F 2-22	Respiratory System I	25
M 2-25	Respiratory System II	25
W 2-27	Digestive System I	26
F 2-29	Digestive System II	26
M 3-3	Digestive System III, Urinary System I	26, 27
W 3-5	Urinary System II	27
F 3-7	Reproductive System I	28
M 3-10	NO CLASS	
W 3-12	NO CLASS	
F 3-14	NO CLASS	
M 3-17	Reproductive System II	28
W 3-19	Reproductive System III	28
F 3-21	EXAM 3	25,26,27,28
M 3-24	Blood Vessels and Circulation	23
W 3-26	Heart I	22
F 3-28	Heart II	22
M 3-31	Blood, Lymphatic System I	21, 24
W 4-2	Lymphatic System II	24
F 4-4	Catch up day/ exam review	
M 4-7	EXAM 4	21,22,23,24
W 4-9	Nervous System I	14
F 4-11	Nervous System II	15
M 4-14	Nervous System III	16, 18
W 4-16	Sensory Intro (Touch, Taste, Smell)	19
F 4-18	EXAM 5	14,15,16,18, 19
M 4-21	Sensory Systems II - Eyes	19
W 4-23	Sensory Systems III - Ears	19
F 4-25	Endocrine System	20
M 4-28	Catch up day/ exam review	PAPER DUE
W 5-7 9am	FINAL EXAM (New and Cumulative)	19, 20

Spring 2008 Lab Schedule

Date	Lecture Topic	Chapter (Marieb)	Quizzes
14/16-Jan	Intro, Metric System, Cells	1,2,3,4	
21/23-Jan	NO LABS		
28/30-Jan	Mitosis, Tissues, Skin	4, 5, 6	Quiz 1
4/6-Feb	Skeleton	8,9,10	Quiz 2
11/13-Feb	EXAM 1		
18/20-Feb	Skin Cats, Muscles	14	
25/27-Feb	Respiratory, Digestive Systems	26, 27	Quiz 3
3/5-Mar	EXAM 2		
10/12-Mar	NO LABS		
17/19-Mar	Urinary and Reproductive Systems	28, 29	
24/26-Mar	Heart, Blood, Vessels	22, 23, 24,25	Quiz 4
31-Mar/2-Apr	EXAM 3		
7/9-Apr	Nervous System	16, 17	
14/16-Apr	Sensory Systems (eye, ear)	18, 19, 20	Quiz 5
21/23-Apr	EXAM 4		

On lab exam days, lab will begin 1 hour late (I need ~2 hours to set it up). So, lab exams begin at 12pm.

To excel in this class you will likely have to spend some time outside of the scheduled time period to study lab content. The lab is open to you 24/7 so please use it. You can get in by using your ID cards in the card-swipe on the outside doors and SBDG 104 door. Students that spend time in lab studying as a group do much better than those that study alone. I encourage you to swap contact information and set up study groups.

A note about anatomy.....

Anatomy is not an easy subject and you may find it to be the most challenging subject you have encountered in your undergraduate career. There is a minimum amount of knowledge you are expected by your college (nursing, pre-pharmacy and exercise science) to obtain in this course. I am obligated to provide you with this material and to test you on it. I have done my best to pare down the content as much as possible while staying within the expectations of your college but you will still find the amount of material challenging. You must put forth effort to study the material on a daily basis to be successful in this course. I highly recommend that you set up study groups to go over the material before exams. Try very hard not to miss any classes. Take careful notes of what I say in class. If you find it difficult to keep up with my lectures please use a tape recorder to record them. If you have trouble understanding a concept, please come to see me as soon as possible. I can also help you with study and note taking tips if needed.

The Academic Success Center: Penland 108

If you find that your usual study habits are not sufficient for doing well in this class please think about visiting this center. They are experts in helping students discover the best way to study according to their learning styles.

<http://www.usca.edu/academicsupport/>

Learning Anatomical Terms

Meaning	Example
away from	abductor muscles
towards	adductor muscles
armpit	axillary artery
arm	brachiocephalic artery
heart	Cardiogram, pericardium
head	brachiocephalic artery
cartilage	chondrocytes
rib	intercostal muscles
skin	subcutaneous
cell	Erythrocyte, leukocyte
skin	Epidermis, dermis
back	lattisimus dorsi, dorsal
outside	ectoderm
within	endoderm
stomach	gastroesophageal sphincter
tongue	hypoglossal nerve
half	cerebral hemisphere
liver	hepatic vein
tissue	histology
above	hyperthyroid, hypertonic
below	hypothalamus, hypotonic
between	Intercostals
tears	Lacrimal fossa
lip	labia minor
white	leukocyte
Jaw/chew	Masseters, masticate
middle	mesoderm
muscle	myometrium, myocardium
kidney	nephrocyte, nephron
eye	oculomotor nerve
bone	osteocyte, osteoporesis
near	parathyroid
chest	Pectoralis major
surround	pericardium
lung	pleural cavity, visceral pleura
kidney	renal artery, renal pelvis
under	subcutaneous
chest	thorasic cavity
vessel	vas deferens
vein	Vena cava

Other terms you will come across often:

- * Tunic = Layer
- * Cortex = Outer area of an organ
- * Medulla = Inner area of an organ
- * Hilum = Where vessels/nerves enter an organ
- * Lobes = Regions of an organ
- * Ducts = Carry materials away from organs
- * Ampulla = Enlarged/bulbous area of an organ
- * Body = Main/largest portion of an organ
- * Fissures/ Sulci = Separates regions of an organ
- * Valves/ Sphincters = Control movement of substances between organs or parts of organs
Sphincters are muscular, sometimes voluntary

More hints:

- * If a word ends in -ase it is usually an enzyme
- * Most hormones end in -one or -ine
- * Many glands end in -crine
- * Most anatomical terms make sense. They are made up of root words, directional terms or descriptive terms. Break down terms when you try to learn them. I will mention other roots as they come up.
- * Some anatomical terms are named for the people that discovered them. For example Langerhans discovered cells in the skin and pancreas. You may find these harder to remember.