

HUMAN ANATOMY

BIOLOGY 230

Fall 2015

Instructor: BILL BROTHERS

Office MS 315J

Office and Message Phone
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Office Hours

M 12:05 PM – 12:45 PM
T 2:10 PM – 3:30 PM
W 12:05 PM – 12:45 and 2:10 – 3:10 PM
Th 2:10 PM – 3:30 PM

CRN 58507

Course Hours

Lecture: Monday and Wednesday 8:00 AM to 8:50 AM in room I3-310

Lab: Monday and Wednesday 9:00 AM to 12:05 PM in room I 3-310

Lecture Textbook

Text: Martini, F. H. et al. *Human Anatomy*, 8th edition San Francisco: Pearson Benjamin Cummings, 20114

Packet: Biology PAC12381807, Fall 2014. Brothers, William

Brothers, William. *Photographic Atlas of Anatomical Models* 2010,
ISBN 14515-0347-4 <https://www.createpace.com/3434530>

Website <http://classroom.sdmesa.edu/bbrothers>
<http://mesa-anatomy.weebly.com>

WebGrade <http://www.eClassInfo.com/home.asp?id=bbrothers>

Lecture Schedule**Fall 2015**

Date	(tentative)	Topics	Readings
Aug.	24	Introduction & Terminology	Chapter 1
	26	Cytology	Chapter 2
	31	Histology	Chapter 3
Sep.	2	Embryology	Pages 82-85 & 750-761
	7	Holiday	
	9	Integumentary System	Chapter 4
	14	Exam # 1	
	16, 21	Skeletal System	Chapter 5
	23	Articulations	Chapter 8
	28	Muscle Tissue	Pages 78-79 and Chapter 9
	30	Muscular System	Chapter 9
Oct.	5	Exam # 2	
	7, 12, 14	Nervous System	Chapters 13-17
	19	Senses	Chapter 18
	21	Exam # 3	
	26, 28	Heart	Chapter 21
Nov.	2	Blood Vessels	Chapters 22
	4	Blood and Lymphoid System	Chapters 20 and 23
	9	Respiratory System	Chapter 24
	11	Holiday	
	16	Exam # 4	
	18	Urinary System	Chapter 26
	23, 25	Holiday	
	30	Digestive System	Chapter 25
Dec.	2, 7	Reproductive System	Chapter 27
	9	Exam # 5	
	14	Review	
	16	Final	

Lab	Dates	Laboratory Topics
Unit One		
Aug.	24	Orientation and Terminology Lecture
	26	Histology (epithelial tissue) and Lecture
	31 Sep. 2	Histology (connective tissue) and the Integumentary System
Sep.	7	Holiday
	9	Lab Exam # 1 and Axial Skeleton and Musculature
Unit Two		
	14, 16, 21, 23	Axial Skeleton and Musculature
	28	Lab Exam # 2
Unit Three		
	30, Oct. 5	Appendicular Skeleton and Musculature
Oct.	7, 12	Appendicular Skeleton and Musculature
	14	Lab Exam # 3
Unit Four		
	19, 21	CNS & PNS
	26	Senses
	28	Lab Exam # 4
Nov	2	Heart
Unit Five		
	11	Holiday
	4, 9	Histology and Blood Vessels
	16	Respiratory System
	18	Lab Exam # 5
	23, 25	Holiday
Unit Six		
Dec	2	Digestive System
.	7, 9	Urinary & Reproductive Systems
	14	Lab Exam # 6

Biology 230 Human Anatomy CATALOG COURSE DESCRIPTION:

Units: 4 Grade Only

This course is a systems approach to the study of human body structure from the microscopic level of organization to the gross level. Structure related to function from study of histological slides, photomicrographs, anatomical models and charts, and mammalian (cat) dissection. This course is intended to meet the requirements of students in the fields of nursing, physical therapy, recreational therapy, occupational therapy, athletic training, chiropractic, psychology, physical education, and biology or those who wish to extend their knowledge of the human body beyond the scope of introductory biology.

Prerequisite:

BIOL 107 with a grade of "C" or better, or equivalent or BIOL 160 with a grade of "C" or better, or equivalent

Grading Policy

Five lecture exams worth 70 points each Multiple choice, matching and essay questions.	350 points
Six lab exams worth 70 points each.	420 points
Grand Total	770points

Grade Breakdown

90 % - 100 % = A	693 - 770
80 % - 89 % = B	616 - 692
70 % - 79 % = C	539- 615
60 % - 69 % = D	462 - 538
59 % or less = F	≤ 461

Missed Exams

Lecture and lab exams must be taken on the scheduled exam time and day. An unscheduled * missed lecture exam will not be made up. More than one missed exam will count as zero points.

The optional comprehensive final exam can replace the student's lowest exam score and must be taken for an unscheduled missed exam.

* (Some exams can be made up by giving the instructor prior notice, in writing or email, of any future absence). A week or two is prior notice.

Exams are open to discussion and re-grading until the next exam of its type (lecture for lecture and lab for lab). Test scores will not be changed after this time.

Students thinking about dropping the course should consult with the instructor before taking any action, if possible.

Important Dates

Sep. 4	Last day to add and pay for a class with an add code. Last day to drop the class without receiving a W on your record
Sep. 4	Last day to be eligible for a refund
Oct. 30	Last day to withdraw from the class - A letter grade must be given after this date.

Attendance

Any student thinking of dropping the course should consult the instructor prior to proceeding with this action, if possible.

A student may be dropped from class for three absences and must be dropped from the class with five absences. It is your responsibility to drop the class if you stop attending the course, otherwise a 'F' grade will be recorded.

Classroom Behavior and Student Code of Conduct

Students are expected to respect and obey standards of student conduct while in class and on the campus. The student Code of Conduct, disciplinary procedure, and student due process (Policy 3100, 3100.1 and 3100.2) can be found in the current college catalog in the section Academic Information and Regulations pages 39-51, and at the office of the Dean of Student Affairs in H-500. Charges of misconduct and disciplinary sanctions may be imposed upon students who violate these standards of conduct or provisions of college regulations. As your instructor, I have the following expectations of your behavior in this class:

1. Promote a courteous learning atmosphere by exhibiting mutual respect and consideration of the feelings, ideas, and contributions of others.
2. Demonstrate respect for your work, as well as the work of others, by recognizing and acknowledging strengths and improvements.
3. Demonstrate respect for tools, equipment and supplies in the classroom.
4. Practice consideration for others by maintaining a clean and orderly learning environment.
5. Recognize everyone's opportunity to contribute information in a relevant and meaningful manner by not monopolizing discussions, interrupting, interjecting irrelevant, illogical or inappropriate questions or comments.
6. This class will be conducted in accordance with the college student code of conduct and basic standards of academic honesty. Cheating, plagiarism or other forms of academic dishonesty are not acceptable and will not be tolerated. Violations of standards of academic honesty will be reported to the school dean for appropriate action. Any violation of the code in the classroom will be brought to the student's attention first by a verbal reprimand and second by a written reprimand. A student caught cheating will receive a zero grade on the assignment.
7. Cell phones are to be turned off or in ring mode during lecture and not used during lecture.
8. Cell phones will be turned to silent or off and put away during exams. Any phones used or seen during an exam will result in a zero score and an F grade on the exam. A student may be dropped with consistent violations or if it rings during exams.
9. Students will not be able to leave and return to the class during an exam.

Student Learning Outcomes

Upon successful completion of the course the student will be able to:

1. Be able to communicate using appropriate terminology concepts relating to the structure and function of the human body.
2. Be able to think critically about the relationships between structure and function of the various organ/systems in humans.

Students with Disabilities

Students with disabilities who may need academic accommodations should discuss options with their professor as soon as possible and within the first two weeks of the semester.

Lab Safety

Please wear shoes in the laboratory in order to protect your feet from potential chemicals and broken glass found on the floor. Protective eyewear (safety glasses are available in the lab room) should be worn when working with preserved specimens. An eyewash is available in the room in the event chemicals become splashed in the eyes.

Sharp objects (scalpels, razor blades and pins) and biohazards must be disposed of in the red sharps container.

Disinfectant and Band-aids are available at the first aid station.

Letters

I do not write letters of recommendation for students.

Your signature signifies that you have read and understand the above syllabus.

Name (print)_____

Signature_____

GRADE SHEET

Exams	Your Score	Letter Grade	Maximum Points Possible
Lec. exam # 1	_____	_____	70
Lec. exam # 2	_____	_____	70
Lec. exam # 3	_____	_____	70
Lec. exam # 4	_____	_____	70
Lec. exam # 5	_____	_____	70
Lab exam # 1	_____	_____	70
Lab exam # 2	_____	_____	70
Lab exam # 3	_____	_____	70
Lab exam # 4	_____	_____	70
Lab exam # 5	_____	_____	70
Lab exam # 6	_____	_____	70
Final. exam	_____	_____	70

Lowest exam is dropped if the comprehensive final is taken

GRADING SCALES

63 – 70 =	A
56 – 62 =	B
49 – 55 =	C
42 – 48 =	D
≤ 41 =	F

Your current grade can be calculated by taking your total points and dividing by the maximum possible points to date and then multiplying by 100. Do not round off decimals. Use the following scale as a guide.

90 % - 100 % =	A
80 % - 89 % =	B
70 % - 79 % =	C
60 % - 69 % =	D
≤ 59 % =	F

IMPROVING YOUR STUDY HABITS

LECTURE:

1. Read the pertinent textbook sections before lecture.
2. Pay attention and take excellent notes during class.
3. Rewrite your lecture notes before the next lecture. This will allow you to clarify and reorganize the notes and it starts your studying process.
4. Study your notes throughout the unit. Do not cram for the exam on the last day.
5. Study and understand the concepts presented in class. Memorizing and understanding the concepts will enhance your knowledge and grade better than just memorizing random facts.
6. Clarify your notes by listening to the tapes, reading your book, asking fellow students or by asking your instructor.

LAB:

1. Lab is mostly memorization. That is learning and associating names to the various parts of the body.
2. Use your lab time wisely.
3. Read the lab section before coming to class.
4. Use the open lab hours or the CIL during non-class time for studying.
5. Develop some method of testing your knowledge, such as having your lab partner test you.