

Syllabus: Human Anatomy Lab – Bio 203 Lab

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Office Hours: e-mail for an appointment

Lecture Times: M W F 8:10 – 9:10

Laboratory Times: R 8:30 – 11:30

Textbook:

Clinically Oriented Anatomy by Moore, K. L., Dalley, A. F., and Agur, A. M. R.

Course Description The exercises in this lab are designed as a companion to the lecture portion of Human Anatomy. The lab and lecture are closely intertwined and you are responsible for material covered in the lab during lecture and vice versa. Many of the labs will involve dissection as well as a clinical component. These exercises are designed to allow you to apply your knowledge from lecture to real tissues and clinical problems.

Lab Groups Each lab group will consist of 3 people. Each lab group will be assigned a locker and dissecting supplies. It is the groups responsibility to maintain their locker and equipment.

Lab Safety / Behavior Safety is the principal concern at all times in the lab. Be sure to follow all safety procedures.

General Dissection Safety Procedures

1. Wear gloves and safety glasses at all times when dissecting.
2. Wear appropriate clothing:
 - (a) no loose and dangling parts, nothing that restricts movement, etc. . .
3. Keep your station and equipment clean and well maintained.
4. Dispose of all waste properly.
5. Know the location of lab safety equipment
 - (a) First Aid Kit
 - (b) Eye Wash Station
 - (c) Emergency Phone Numbers

Clinic Select labs throughout the semester will have a clinic component. Each clinic will consist of one or more cases that you will work through as a lab group. Following the completion of the cases lab groups will be asked to present aspects of the case to the class, such as a description of the relevant details and history of the case, a justification for a diagnosis of the case, and an outline treatment options and potential complications. A set of clinical questions will be included with each case to help guide your evaluation of the case.

Respect A portion of this lab will involve dissection. All life has value and while there are clearly justifiable reasons for ending an organism's life, the taking of a life must acknowledge the significance of the act. In this case the taking of life was justified by the education potential of dissection. We have a responsibility to acknowledge the sacrifice made by the animals used in this lab and to use their bodies respectfully and to their fullest learning potential.

Lab Schedule

Day	Topic	Clinic	Readings in Moore et al. 2010
Feb. 3	Histology	None	none
Feb 10	Skeletal and Muscle Anatomy	None	pp. 19 - 35
Feb. 17	Thoracic Wall	Flail Chest and Breast Cancer	pp. 86 – 91 and pp. 98 - 99
Feb. 24	Lecture Exam 1		
March 3	Thorax Viscera	Myocardial Infarction	none
March 10	Abdomen	Inguinal Hernia	pp. 182 - 193 and 201 - 208
March 17	Lecture Exam 2		
March 24	<i>Spring Break</i>		
March 31	Back	Herniated Disc	pp. 440 - 452 and 482 - 491
April 7	Limb Muscles	Muscle Case	pp. 545 - 550, 563 - 572, 587 - 589, and 596 - 601
April 14	Lower Limb	Unhappy Triad	none
April 21	Lecture Exam 3		
April 28	Cranium, Head Muscles, and Cranial Nerves	Skull Fracture	pp. 822, 844 - 849 p. 1054
May 5	Brain	Stroke	none
May 12	Practical Exam		
May 14	Final Exam; 8:30 - 11:30		

Grading and Evaluation Your laboratory grade is worth 25% of your total class grade. Your laboratory grade will be calculated from in-lab assignments (10%) and a laboratory practical (15%).

Attendance Attendance is required for all labs. Although the lab materials are available whenever the lab is not in use for another class, the majority of your lab work should be completed during the lab period. All lab assignments must be completed during lab. Missed lab assignments cannot be made up.