

**BI 235 – HUMAN ANATOMY AND PHYSIOLOGY
WINTER 2012**

Instructor: Michael P. LeMaster, Ph.D.
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lemastm@wou.edu (feel free to contact me via e-mail about questions or suggestions you may have concerning the course – Please allow 24 hours for an e-mail response).

Office Hours:

Monday – Friday (10:00 – 11:00 AM), or by appointment.

Course Objectives:

This is the second term of a three-term human anatomy and physiology series. The general goal of this series is to understand and appreciate the anatomical landscape and physiological processes that govern the human body. In particular, we will focus this term on understanding the anatomy and physiology of the nervous system, endocrine system, and cardiovascular system.

Course Learning Outcomes:

Upon completion of this course (BI 235), students should:

- 1) Demonstrate knowledge and understanding of the anatomical features and arrangements for the organ systems under study.
- 2) Demonstrate knowledge and understanding of how the organ systems under study function individually and cooperatively to maintain local and global homeostasis in the human body.
- 3) Demonstrate the ability to apply knowledge gained to real-world situations.

Lectures:

Monday, Wednesday, and Friday at 9:00 – 9:50 AM in Room 105 – Health & Wellness Center (HWC).

Required Text:

Anatomy and Physiology by Marieb & Hoehn (4th edition: 2011) – Available at the WOU Bookstore.

Supplementary Text (not required):

A Photographic Atlas for the Anatomy and Physiology Laboratory by Van de Graaf, Morton & Crawley (6th edition: 2007) – Available at the WOU bookstore.

Grading:

Exam I	75 points (15%)
Exam II	75 points (15%)
Exam III	75 points (15%)
Final	125 points (60% new material, 30% comprehensive – 25%)
Laboratory	<u>150 points</u> (30%)
	500 points*

* More points may be added at the discretion of the instructor (e.g., pop quizzes, short essays, etc.).

Final grades will be calculated on a percentage basis from total possible points using the following scale: A = 90 – 100%; B = 80 – 89%; C = 65 – 79%; D = 55 – 64%; F = < 55% and / or missing three or more laboratories.

ALL STUDENTS ARE EXPECTED TO TAKE THE EXAMS ON THE DAYS ANNOUNCED IN THEIR SCHEDULED LECTURE SECTION. If you miss an exam or will be missing an exam, contact the instructor as soon as possible:

- If the absence is EXCUSED, you will be able to make up the exam for the full points possible. However, only the following will be considered an excusable absence:
 1. A university-related absence (i.e., game, concert tour, fieldtrip, etc.). You *must* contact the instructor prior to the event for the absence to be excused.
 2. A personal issue (i.e. illness, death in family, etc.) that is excused by the Office of Student Affairs (503-838-8221 or x8-8221). The Office of Student Affairs will contact your instructors via a phone message, letting them know of the situation.
 3. Three or more exams scheduled on the same day (that's just cruel...).
- If the absence is UNEXCUSED, you will be able to make up the exam but you will receive a 10% penalty on the overall exam score for each day the exam is not completed. Once an exam is handed back, no make-up exams will be given.

Laboratory attendance is mandatory. Three or more unexcused absences and / or failing the laboratory portion of the course will result in a failing grade for the entire course (Biology Department policy). The majority of the laboratory work focuses on the study of the body using histological slides, anatomical models and human cadavers. The anatomy lab is accessible for individual or group study outside of class time via key FOBs which may be obtained during the first week of class. When accessing the lab outside of class time, all laboratory policies are in effect (e.g., no eating / drinking, etc.).

Academic Dishonesty:

You are expected to be honest and ethical in your academic work. Academic dishonesty is considered in violation of the WOU Code of Student Responsibility. Academic dishonesty is defined as an intentional act of deception in one of the following areas: Cheating, Fabrication, Assisting, Tampering, or Plagiarism (see Code of Student Responsibility for description of each). If evidence is available indicating that you were dishonest on an assignment, examination, or other work turned in for evaluation, you will receive no credit for the work and may be referred to the WOU Dean of Students for further action.

Students with Disabilities:

It is necessary for students seeking individualized accommodations / services to contact the Office of Disabilities Services (ODS) for proper documentation. ODS is located in the Academic Programs and Support Center (APSC), Suite 405 (503 – 838 – 8250; <http://www.wou.edu/student/disability>).

Additional Resources:

The Academic Advising and Learning Center, located in APSC 401, offers academic tutoring and assistance in study skills (503-838-8428; www.wou.edu/provost/aalc/learning).

The Writing Center, located in APSC 301, offers assistance with writing (503-838-8286; www.wou.edu/las/humanities/writingctr).

Library and Media Services, located in the Hamersly Library, offers assistance with research and information retrieval (503-838-8418; www.wou.edu/provost/library).

**BI 235 – Human Anatomy and Physiology
TENTATIVE SCHEDULE**

Week	Date	Topic	Chapter	Laboratory
1	9 Jan	Introduction	1	-----
	11 Jan	Fundamentals of Nervous System	11	
	13 Jan	“		
2	16 Jan	MLK Jr. Day – Enjoy!		-----
	18 Jan	Fundamentals of Nervous System	11	
	20 Jan	“		
3	23 Jan	Central Nervous System	12	Neurophysiology
	25 Jan	“		
	27 Jan	EXAM I		
4	30 Jan	Peripheral Nervous System	13	Brain anatomy
	1 Feb	“		
	3 Feb	“		
5	6 Feb	“		Cranial nerves / Reflexes
	8 Feb	Autonomic Nervous System	14	
	10 Feb	“		
6	13 Feb	EXAM II		Special senses
	15 Feb	Endocrine System	15	
	17 Feb	“		
7	20 Feb	“		Endocrine anatomy / physiology
	22 Feb	“		
	24 Feb	Cardiovascular System - Blood	16	
8	27 Feb	“		Blood anatomy
	29 Feb	“		
	2 Mar	EXAM III		
9	5 Mar	Cardiovascular System - Heart	17	Heart / Vessel anatomy
	7 Mar	“		
	9 Mar	“		
10	12 Mar	Cardiovascular System - Vessels	18	Lab quiz
	14 Mar	“		
	16 Mar	“		
Final	19 Mar	8:00 AM – HWC 105		

Copies of the syllabus and lecture materials can be retrieved on the web at:
<http://www.wou.edu/~lemastm/Teaching/BI235>