

MPHY 6310/ 8310

INTRODUCTION TO ANATOMY AND PHYSIOLOGY FALL 2013

Course number: MPHY 6310/8310
Term and year: Fall semester, 2013
Credit hours: 6 semester hours
Contact hours: See Schedule

Meeting time:

Wednesdays from 9:00 AM -12:00 PM
Friday 10/25, 11/1, 11/15, 11/27 from 9:00 AM – 12:00 PM

Meeting Place: COB-3401/3403

Instructor:

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Course description and objectives:

This course covers an overview of physiology at a cellular, and organ system levels. This will include normal function of human body and some clinical manifestations of human diseases.

Following the completion of this course, the MPHY students will be able to:

1. Describe the normal structure, function and organization of the human body
2. To develop an understanding of the anatomy and physiology of:
 - the endocrine system.
 - the cardiovascular system.
 - the respiratory system.
 - the lymphatic and immune systems.
 - the urinary system.
 - the male and female reproductive systems
 - the digestive system
 - the nervous system
 - the skeletal system
 - the muscular system
 - the immune system
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Format:

The course is designed to provide the basic scientific understanding of normal function of the human body. The course will combine lecture, labs, assignments and a discussion/reflection format.

Topics to be covered in the class are listed on the week to week schedule. Preparation for each class is expected so that the most benefit can be obtained from the experience.

Course requirements:

1. Regular attendance in lecture sessions
2. Active participation in class discussions and activities
3. Completion of all reading assignments
4. Acceptable performance on all examinations

Required text:

Patton, Thibodeau and Douglas (2012) Essentials of Anatomy and Physiology Ed. Mosby - Elsevier. ISBN: 978-0-323-08511-3

Academic Integrity:

If an instructor has evidence that an act of academic dishonesty has occurred, it may result in an automatic "F" being issued to the student or students involved. Examples of academic dishonesty include cheating on tests, having someone sit in for you to take a test on your behalf, copying another person's work as your own (e.g. plagiarism), using outside sources without giving proper credit, using untrue excuses for missed or late work, etc.

Blackboard:

<https://blackboard.utdl.edu/>

Important information will be posted routinely on Blackboard, including handouts, PowerPoint presentations, grades, links to useful resources, etc. All announcements posted on Blackboard are important and we will assume you have read them.

Grading Criteria:

There will be four exams as follows:

Exam I: Wednesday, September 25, 9:00 to 12:00

Exam II: Wednesday, October 30, 9:00 to 12:00

Exam III: Wednesday, December 11, 9:00 to 12:00

A letter grade based on the mean of all cumulative scores will be assigned as shown below.

90% and above A

80%-89% B

70%-79% C

60%-69% D (Unsatisfactory grade for the course)

59 and below F (Unsatisfactory grade for the course)

The mean of all accumulated points in the course less than 70% will be considered unsatisfactory and a grade of fail "F" will be assigned

Class attendance/participation:

Students are expected to attend all classroom lectures. Students are required to contact the course director prior to any absence. It is the responsibility of the student for knowing and meeting all course requirements. The instructors have no obligation to give make-up examinations or to review other class work missed by the student as a result of an unexcused absence. The responsibility for making up work missed during any absence rests solely on the student.

MPHY 6310/8310
Introduction to Anatomy and Physiology Fall 2013

Schedule

Week	Date	Topic Time: 9:00-12:00	Pre-class Readings	Room Number
1	8/21	Introduction & course overview	both Ch.1 of T1 & T2.	COB-3401/3403
		Organization of the Human Body (1) Level of Structural Organization (1) Language of Anatomy (1)	Chapter 1 pages: 3 - 17	COB-3401/3403
2	8/28	Anatomy of the Cell (1)	Chapter 3 and 4 pages 45-74	ONLINE
		Cell and Body Tissues (2)	Chapter 6 pages 92-109	
3	9/4	Skin and its Appendages (1)	Chapter 7 pages 116-131	COB-3401/3403
		Skeletal System (1) Bones and Joints (1)	Chapter 8 pages 136-148 Chapter 9 Pages 152-181	
		Muscular System (3)	Chapter 10 pages 186-219	COB-3401/3403
5	9/18	The Central Nervous System (2) Brain Peripheral Nervous System (1)	Chapter 11 pages 226 - 291	COB-3401/3403
6	9/25	EXAM I		COB-3401/3403
7	10/2	Endocrine System (2)	Chapter 15 pages 325-344	ONLINE
		Blood and Defense (1)	Chapter 16 pages 352-369	
8	10/9	Anatomy and Physiology of the Cardiovascular System (3)	Chapters 17 and 18 pages 374-421	COB-3401/3403
9	10/16	Lymphatic/Immune System (3)	Chapter 19 pages 426-447	COB-3401/3403
10	10/23	Respiratory System (3)	Chapter 20 pages 454-476	COB-3401/3403

11	<i>10/30</i>	Exam II		COB-3401/3403
	<i>11/1</i>	Digestive System (2) Cross Section Anatomy of the Abdomen (1)	Chapter 21 pages 482-510	COB-3401/3403
12	<i>11/6</i>	Urinary System (2) Cross Section Anatomy of the Abdomen (1)	Chapter 23 pages 534 - 556	COB-3401/3403
13	<i>11/13</i>	Male Reproductive System (2) Cross Section Anatomy of the male Pelvis(1)	Chapter 24 pages 562-574	COB-3401/3403
	<i>11/15</i>	Female Reproductive System (2) Cross Section Anatomy of the female Pelvis(1)	Chapter 25 pages 578-595	COB-3401/3403
14	<i>11/20</i>	Self-Study:		
15	<i>11/27</i>	Cross Section Anatomy Laboratory (3)		HSB-008
16	<i>12/4</i>	Self-Study		
17	<i>12/11</i>	Final Exam		COB-3401/3403