

BIOL 4010/6010
Credit Hours 3-3-4

TOPICS IN BIOLOGY II: HUMAN ANATOMY
Department of Biology

Instructor: Dr. Timothy J. Fort
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Office Hours: Wednesday 2.00pm-4.00pm or by scheduled appointment

Lecture: Tuesday & Thursday 2.00pm – 3.15pm BC 1202
Laboratory: Friday 12.00pm – 2.50pm BC 1203

Textbook: McKinley & O'Loughlin. Human Anatomy, 3rd Edition. McGraw-Hill. 2012

Required Software: Anatomy & Physiology Revealed 3.0: An Interactive Cadaver Dissection Experience. McGraw-Hill, 2011.

Course Description: Study of the structure of the human body from cells to organ systems. Major human organ systems such as the integumentary, skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary and reproductive will be surveyed with emphasis on form-function relationships.

Prerequisites 4010: BIOL 1107, BIOL 1108, and BIOL 3200 or permission of instructor.

Prerequisites 6010: Admission into the graduate program or permission of Instructor.

Course Objectives: By the end of this course, students will be expected to:

- (1) Demonstrate an understanding of the cellular and tissue levels of organization within the human body.
- (2) Demonstrate an understanding of the anatomy of selected organ systems and relate the functioning of the organ systems to the overall functioning of the human body.
- (3) Demonstrate competency in factual content / interpretation of the major areas of human anatomy.

These objectives support in part the Department of Biology Educational Outcome #3 and the Valdosta State University General Educational Outcomes #'s 4, 5, 7.

Attendance: Attendance of lectures is expected of all students, but is not required. Attendance of laboratory classes is mandatory. Any student missing 2 scheduled laboratory classes, without an acceptable documented reason (determined by the instructor) will receive a failing grade for the course. Student attendance of classes will be recorded.

Conduct: Students are expected to arrive on time and behave with respect in both lectures and laboratories. Students should not talk during lectures, but if you do not understand or do not hear something please ask for clarification. Use of cell phones during lectures and laboratories is not permitted. Cell phones must be turned off during lectures and laboratories. If your cell phone activates during lecture or lab you will be asked to leave. If your cell phone activates during lab you will be asked to leave and it will count as an unexcused absence. If your cell phone activates during a lecture or lab exam you will be asked to leave and receive 0% for that exam.

Cheating / Plagiarism: Please refer to the Student Code of Ethics in the Valdosta State University Student Handbook. Any student caught cheating will be penalized, ranging from receiving a zero for that assignment or test, to failure and expulsion from the course. Please refer to the Valdosta State University, Department of Biology Plagiarism Policy. By taking this course, you agree that all required course work may be subject to submission for textual similarity review to turnitin, a tool within BlazeVIEW.

Students with Documented Disabilities: Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in the Farber Hall. The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY).

Privacy Act: Due to the Buckley Amendment, or Privacy Act, an individual's personal information cannot be released to anyone but that individual. As such, grades will not be discussed over the phone, by email, or released to a friend or relative.

BIOL 4010 Assessment:

Lecture: 3 Exams @100 points each : 300 points
 Cumulative Final : 200 points
 4 Lab Exams @75 points each : 300 points
 4 PowerPoint Guides* @25 points each : 100 points
TOTAL: 900 points

BIOL 6010 Assessment

Lecture: 3 Exams @100 points each : 300 points
 Cumulative Final : 200 points
 4 Lab Exams @75 points each : 300 points
 4 PowerPoint Guides* @25 points each : 100 points
 Research paper : 75 points
 Oral presentation : 25 points
TOTAL: 1000 points

-* PowerPoint Guides: Using the required software and a provided list of anatomical structures, students will be required to generate a PowerPoint study guide for each lab exam. To be submitted electronically prior to each lab exam.

- Assigned work submitted late will **NOT** be graded.
- Any assigned work submitted electronically (excluding PowerPoint guides) will **NOT** be graded.
- Make up examinations will only be given if an acceptable documented reason (determined by the instructor) is provided.
- There are no lab practical make ups.
- Requirements for the PowerPoint Guides, Paper and Oral Presentation will be explained during the semester.
- Lecture Exams: Question styles will vary depending on the topics being examined and may include (but are not limited to), multiple choice, fill in the blank, diagrams, short answer and essays.

VERY Tentative Laboratory Schedule

DATE	TOPIC
16 August	Tissues
23 August	Axial Skeleton
30 August	Appendicular Skeleton
6 September	Lab Exam #1
13 September	Appendicular and Axial Musculature
20 September	Brain and Eye
27 September	Lab Exam #2
4 October	Sheep Heart and Lungs
11 October	Fetal Pig Vasculature
18 October	Fetal Pig Vasculature
25 October	Lab Exam #3
1 November	Fetal Pig Respiratory System
8 November	Fetal Pig Digestive System
15 November	Fetal Pig Urinary and Reproductive System and Kidney
22 November	Lab Exam #4

VERY Tentative Lecture Schedule

DATE	TOPIC	Chapter
13/8	Introduction and Terminology	1
15/8	Tissues	4
20/8	Tissues and Integumentary System	4, 5
22/8	Integumentary System	5
27/8	Bone	6
29/8	Bone	6
3/9	Axial and Appendicular Skeleton	7, 8
5/9	Axial and Appendicular Skeleton	7, 8
10/9	Articulations	9
12/9	EXAMINATION #1	
17/9	Articulations	9
19/9	Muscle	10
24/9	Axial and Appendicular Musculature	11, 12
26/9	Axial and Appendicular Musculature	11, 12
1/10	Nervous Tissue	14
3/10	Brain and Cranial Nerves	15
8/10	Spinal Cord and Spinal Nerves	16
10/10	Autonomic Nervous System and Sense Organs	18, 19
15/10	Sense Organs and Endocrine System	19, 20
17/10	EXAMINATION #2	
22/10	Endocrine System	20
24/10	Circulatory System: Blood	21
29/10	Circulatory System: Heart	22
31/10	Circulatory System: Vessels	23
5/11	Respiratory System	25
7/11	Respiratory System and Digestive System	25, 26
12/11	Digestive System	26
14/11	Urinary and Reproductive Systems	27, 28
19/11	Urinary and Reproductive Systems	27, 28
21/11	EXAMINATION #3	
26/11	THANKSGIVING BREAK (NO CLASS)	
28/11	THANKSGIVING BREAK (NO CLASS)	
4/12	FINAL EXAM 2.45pm-4.45pm	