

BIOL 2652
Credit Hours 3-2-4

ANATOMY AND PHYSIOLOGY II
Department of Biology

Instructor: Dr. Timothy J. Fort
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Office: BC 1100
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Office Hours: Wednesday 10.00am – 12.00pm or by appointment

Lecture: Tuesday/Thursday 11.00 am – 12.15 pm BC 3009

Laboratory: Section A: Tuesday 2.30 pm – 4.20 pm BC 2045
Section B: Wednesday 12.00 pm – 1.50 pm BC 2045
Section C: Wednesday 2.30 pm – 4.20 pm BC 2045
Section D: Thursday 2.00 pm – 3.50 pm BC 2045

Textbook: Principles of Anatomy and Physiology, 12th Edition (or 13th Edition)
Tortora, G.J. and Derrickson, B.

Lab Manual: Laboratory Manual for Anatomy and Physiology, 3rd Edition
Loughry, M.J. and Smith, M.E.
(Please note that the laboratory manual is optional as all information concerning lab exercises now available online)

Course Description: A continuation of human anatomy and general physiological principles with emphasis on endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems; and development.

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 and physiology.

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 a lecture you will be asked to leave. If your cell phone activates during an 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.

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.

Lab Dissection Kit: Available for purchase from the bookstore. You will need to bring this to lab each week. You may also wish to purchase disposable examination gloves for use during the lab dissections.

Lab Specimens: Sheep heart and fetal pig. Buckets containing the specimens will be allocated at 1 bucket per 2 students, so you will need to identify a lab partner prior to the beginning of the dissections.

Assessment:	Lecture: 4 Exams @100 points each	:	400 points
	Laboratory: 3 Practicals @ 50 points each	:	150 points
	Laboratory Assignments	:	<u>50 points</u>
	Total	:	600 points

- **There are no lecture examination or laboratory practical make ups.**

- Lecture Exams: Question styles will vary depending on the topics being examined and may include (but are not limited to), multiple choice, true/false, fill in the blank, diagrams and short answers. Each lecture examination will be worth 100 points as will the optional final examination. If you take the final examination, I will drop the lowest of the five exam scores when calculating your grade.

Tentative Lecture and Examination Schedule

Section I: Cardiovascular System (Chapters 19-21)

EXAM #1 7th February

Section II: Immune / Respiratory / Digestive Systems (Chapters 22-24)

EXAM #2 1st March

Section III: Metabolism & Nutrition / Urinary System / Body Fluids (Chapters 25-27)

EXAM #3 5th April

Section IV: Endocrine System and Reproduction (Chapters 18, 28, 29)

EXAM #4 26th April

FINAL EXAM: FRIDAY MAY 4th, 10.15am – 12.15pm (OPTIONAL)

Laboratory Schedule

Week Beginning	Topic	Lab Chapter
1/9	NO LAB SCHEDULED	
1/16	Introduction	
1/23	Blood Typing & Pulse Rate	
1/30	Blood Pressure	
2/6	Heart Anatomy	
2/13	Fetal Pig Blood Vessels	
2/20	Fetal Pig Blood Vessels	
2/27	Fetal Pig Blood Vessels & Review	
3/5	LAB PRACTICAL #1	
3/12	Spring Break: NO LAB SCHEDULED	
3/19	To Be Announced	
3/26	Fetal Pig Digestive System	
4/2	Spirometer & Fetal Pig Respiratory System	
4/9	LAB PRACTICAL #2	
4/16	Fetal Pig Urinary & Reproductive Systems	
4/23	LAB PRACTICAL #3 (Comprehensive)	