

BIOL 2652

ANATOMY AND PHYSIOLOGY II Department of Biology

Instructor: Arielle Hunt

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Office Location: BC 1097

Office Hours: **Email** - Anytime; **In person**- By appointment on Tuesday/Thursday only

Lecture: Tuesday/Thursday 2:00 p.m. – 3:15 p.m. BC 1024

Laboratory:

Section D: Tuesday 4:00 p.m. – 5:50 p.m. BC 1203

Section E: Thursday 4:00 p.m. – 5:50 p.m. BC 1203

Note: Due to the hands-on nature of laboratory exams and sharing our workspace with non-A&P labs, ALL LABORATORY PRACTICALS will be held during THURSDAY lab sections. Students in Section D (Tuesday lab) must make arrangements to attend the 3 scheduled practical exam dates (October 5th; November 2nd; November 30th). Tuesday lab sections on the week of a lab practical will be an optional open study/review period for both Section D & E students. Section D lab exams will be held from 3:30- 4:30 p.m.; followed by Section E from 4:40- 5:40 p.m.

Textbook: Principles of Anatomy and Physiology, 12th,13th or 14th Edition
Tortora, G.J. and Derrickson, B.

Lab Manual Online: Available free online: <http://blog.valdosta.edu/AP2>

Lab Manual Hard Copy: **(OPTIONAL)** Laboratory Manual for Anatomy and Physiology, 3rd Edition
Loughry, M.J. and Smith, M.E.

Course Description: A continuation of human anatomy and general physiological principles with emphasis on endocrine, cardiovascular, lymphatic/immune, 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 mandatory. There may be unannounced in-class extra credit activities as decided by the instructor. 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 all lectures and labs may be recorded. Students who attend less than 50% of all lectures are not eligible for any potential extra credit that may be offered.

Conduct: Students are expected to arrive on time and behave with respect in both lectures and laboratories. Students should not talk during lectures. Always ask for clarification if you do not hear something or do not understand something- this is why the instructor is here. Use of cell phones during lectures and laboratories is not permitted. Cell phones must be silent and put away during lectures and laboratories. **If your cell phone is seen or heard during a lecture you will be asked to leave. If your cell phone is seen or heard during an exam you will be asked to leave and receive 0% for that exam.** If an emergency arises and you must leave class or make a phone call, please speak with the instructor before stepping out.

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.

Title IX Statement: Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: Maggie Viverette, Director of the Office of Social Equity, titleix@valosta.edu, 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

Access Statement: Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farbar Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU's Access Office or email: access@valdosta.edu.

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.

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

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| Assessment: | Lecture: | 6 Exams @100 points each | : 600 points |
| | Laboratory: | 3 Practicals @ 100 points each | : 300 points |
| | | Laboratory Assignments | : <u>100 points</u> |
| | | Total | : 1000 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 (total of 6, including the final exam) will be worth 100 points. The final exam in this class IS NOT optional.

Tentative Lecture and Examination Schedule

Section I: Endocrine System (Chapter 18) 3 lectures

EXAM #1 Tuesday, August 29th

Section II: Cardiovascular System (Chapters 19-21) 6 lectures

EXAM #2 Thursday, September 21st

Section III: Immune & Respiratory Systems (Chapters 22 & 23) 4 lectures

EXAM #3 Thursday, October 12th

Section IV: Digestive System & Metabolism (Chapters 24-25) 4 lectures

EXAM #4 Tuesday, October 31st

Section V: Urinary System, Body Fluids, & Reproductive (Chapters 26-28) 5 lectures

EXAM #5 Tuesday, November 21st

Section VI: Development (Chapter 29) 2 lectures & Cumulative Review of Ch. 18-28

FINAL EXAM: Wednesday, December 6th, 2:45 pm – 4:45 pm

Laboratory Schedule

| Week | Topic |
|---|---|
| Aug. 15th/17th | NO LAB SCHEDULED |
| Aug. 22nd/24th | Blood Physiology |
| Aug. 29th/31st | Heart Physiology |
| Sep. 5th/7th | Heart Anatomy |
| Sep. 12th/14th | Fetal Pig Blood Vessels |
| Sep. 19th/21st | Fetal Pig Blood Vessels |
| Sep. 26th/28th | Fetal Pig Blood Vessels; Review |
| Oct. 3rd/5th | LAB PRACTICAL #1 |
| Oct. 10th/12th | Fall Break: NO LAB SCHEDULED |
| Oct. 17th/19th | Fetal Pig Digestive System |
| Oct. 24th/26th | Respiratory Physiology & Fetal Pig Respiratory System |
| Oct 31st/Nov 2 | LAB PRACTICAL #2 |
| Nov. 7th/9th | Fetal Pig Urinary & Reproductive Systems |
| Nov.14th/16th | Review for Cumulative Lab Practical |
| Nov.21st/23rd | Thanksgiving Break: NO LAB SCHEDULED |
| Nov 28th/30th | LAB PRACTICAL #3 (Comprehensive) |