

Biology 2252
Human Anatomy and Physiology II
Summer Semester 2023

Instructor: Dr. Teresa H. Doscher

Office: Bailey Science Building 1098

Office Hours: Wednesday and Friday 11:05 am or by appointment

Phone: Office 333-5769, Biology Dept. 333-5759

E-mail: thdosche@valdosta.edu

Midterm: July 3, 2023. This is the last day to drop this course and receive a withdrawal grade (W).

Credit Hour: 4

Lecture Hours: Sections A MTWRF 9:35 – 11:05 am BC 1023

Lab Hours: Section A MTR 11:15 – 1:05 pm BC 1203

Course Description:

Bio 2252 Human Anatomy and Physiology II

Prerequisite: Biol 2251. A continuation of human anatomy and general physiological principles with emphasis on the following: cardiovascular, lymphatic, respiratory, digestive, excretory and reproductive systems, plus development.

Course Goals: This course builds on the anatomical information discussed in BIOL 2251 by examining all the major human physiological systems. Educational outcomes associated with this course include nos. 1, 3, and 4 as specified by the VSU Biology Department and nos. 3, 4, 5, and 7 of the general outcomes specified by the University.

Text and Lab Manual: Connect APR & PHILS for Anatomy & Physiology: An Integrative Approach, McKinley, 4th edition. Publisher – McGraw Hill.

Lab Manual: **Optional.** Laboratory Manual for Human Anatomy and Physiology, 3rd ed., Smith and Loughry, Burgess Publishing. All lab exercises are also available from the course website. (I don't recommend the manual)

<https://blog.valdosta.edu/ap2/>

Laboratory Kit: Can be purchased from VSU Bookstore if you do not already own one; must be brought to each lab dissection class.

Laboratory Specimens: You will not need to purchase a sheep heart and fetal pig for lab dissection. They will be provided for you. Gloves will be provided for you as long as they are not wasted and the use abused.

Cheating and Plagiarism: Cheating is not permitted and will not be tolerated. I expect all of you to uphold the highest academic standards when it comes to assignments and testing. Outside resources such as cell phones, notes, texts, google, any resource besides those authorized are not permitted whether you are doing an in-person assignment or quiz or online assignment. Any student caught cheating will be dealt with using the standard University policy. Please refer to the current VSU Student Handbook Code of Ethics for policies concerning cheating and plagiarism.

Disruptive Behavior: The academic community is under a strong obligation to protect the campus community from disorderly, disruptive, or obstructive actions which interfere with academic pursuits of teaching, learning and other campus activities. Therefore, any disruptive behavior in the classroom or laboratory that interferes with the teaching of the material or disturbs other students or faculty will not be tolerated. Any student that disrupts the class will be removed from the class and possibly dropped from the course. This student will also forfeit any points toward his or her grade from that day and will not be able to make up the class or lab. Refer to the Undergraduate Catalog for more information.

Family Educational Rights and Privacy Act of 1974: It is illegal to release personal information about an individual to others. **Grades, averages, and other information will not be released to anyone but that individual; therefore, no grades will be posted or given out over the phone or email. All grades will be posted on Blazeview.**

Students with 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).

Extra Help with Coursework

The Academic Support Center (ASC) offers all VSU students free peer tutoring in core curriculum courses, including math, writing (any subject), chemistry, biology, foreign languages and more. Please bring your assignments, textbooks, and homework to tutoring sessions. Also available are free, one-hour seminars for help with study skills, time management, and a variety of other topics. Visit our office on the main campus, located on the 2nd floor of Odum Library, or call 229-333-7570 for an appointment, or visit the website where you can make appointment for yourself (www.valdosta.edu/asc).

COURSE POLICIES

Lecture

Attendance: You are expected to attend all lectures. If you miss a lecture, you are responsible for obtaining the notes and any handouts that may be given that day. As per University policy; a student who misses more than 20% of the scheduled classes of a course will be subject to receiving a failing grade in the course. If any student signs the attendance sheet for another student who is absent, this is considered cheating and will be dealt with accordingly.

Grading: Five (5) lecture exams will be given during the semester and an **optional cumulative final exam**. **If for whatever reason you miss an exam you will not be able to make it up – no make up exams at all. The final exam will be optional and cumulative. This will be a great opportunity for you to drop your lowest test grade and replace it with a better grade. If you miss an exam you will have to take the final exam to replace the missed exam grade. If you miss more than one exam then you will only be able to replace one of the zeros with the final exam grade.**

You will also have homework assignments and virtual labs to complete on Connect. **I will not accept late assignments so pay close attention to the due dates.** All due dates will be posted on Connect and Blazeview. These are to assist you in your learning; not as busy work.

Laboratory

Attendance: You are expected to attend all labs. **Lab exercises cannot be made up; therefore, it is imperative that you attend.** As per University policy; a student who misses more than 20% of the scheduled classes of a course will be subject to receiving a failing grade in the course.

Grading: Three (3) laboratory practical exams will be given during the semester. Stations will be set up for identification of specimens. You will also turn in assignments from some of the labs. **If you do not attend the labs, you will not be able to turn in the assignments and will receive a zero on the assignment. You will not be able to make up missed labs or missed lab practicals.**

NO MAKE-UP LECTURE OR LABORATORY EXAMS WILL BE GIVEN!!!!

**TENTATIVE LECTURE OUTLINE
SUMMER SEMESTER 2023**

<u>Topic</u>	<u>Text Chapters</u>
The Cardiovascular System: The Blood	18
The Cardiovascular System: The Heart	19
The Cardiovascular System: Blood Vessels and Hemodynamics	20
The Respiratory System	23
The Endocrine System	17
The Lymphatic and Immune Systems	21 & 22
The Digestive System	26
Fluid, Electrolyte, and Acid-Base Homeostasis	25
The Urinary System	24
The Reproductive Systems	28

Lecture Exam Schedule - This is a tentative schedule subject to change.

Exam 1 - Wednesday, June 28, 2023	Chapters 18 & 19
Exam 2 – Wednesday, July 5, 2023	Chapters 20 & 23
Exam 3 – Wednesday, July 12, 2023	Chapters 17, 21 & 22
Exam 4 - Wednesday, July 19, 2023	Chapters 25 & 26
Exam 5 - Wednesday, July 26, 2023	Chapters 26 & 28
Final Exam - Thursday, July 27, 2023 9:35 am – 11:35 am	Comprehensive & Optional

Lab Schedule - This is a tentative schedule subject to change.

<u>Date</u>	<u>Topic</u>
June 22	Cardio Physiology: Blood Typing, Blood Cells
June 26	Sheep Heart Dissection
June 27	Cardio Physiology, Pulse, BP, Vasoconstriction/Dilation
June 29	Fetal Pig Circulatory System - Anterior
July 3	Fetal Pig Circulatory System – Anterior/Posterior
July 6	Fetal Pig Circulatory System - Posterior
July 10	Lab Practical I
July 11	Fetal Pig Digestive and Immune Systems
July 13	Fetal Pig Respiratory System
July 17	Lab Practical II
July 18	Fetal Pig Urinary and Reproductive Systems
July 20	Fetal Pig Urinary and Reproductive Systems
July 24	Lab Practical III

FINAL GRADES FOR BIOL 2252 HUMAN ANATOMY AND PHYSIOLOGY II

Lecture Grades	Homework Assignments	Tests (Assessments)
Chapter 18 Blood	10	
Chapter 19 Heart Part 1	10	
Chapter 19 Heart Part 2	10	100
Chapter 20 Vessels	10	
Chapter 23 Respiratory	10	100
Chapter 17 Endocrine	10	
Chapter 21 & 22 Lymphatics	10	100
Chapter 25 Fluid Balance	5	
Chapter 26 Digestive	10	100
Chapter 24 Urinary	10	
Chapter 28 Reproductive	10	100
Final (optional & cumulative)		100 (replaces lowest)
Total	105	500

Laboratory Grades	
Lab Practical 1	50
Lab Practical 2	50
Lab Practical 3	50
Virtual Labs (11 x 5 pts each)	55
Lab Assignments (2 x 5 pts each)	10
Total	215

Lecture Grades	605 points
Laboratory Grades	215 points
TOTAL	820 points

Final Grades	
A	740 - 820 points (90% - 100%)
B	660 - 739 points (80% - 90%)
C	580 - 659 points (70% - 80%)
D	500 - 579 points (60% - 70%)
F	Below 500 points (below 60%)

Biol 2252 Tentative Lecture and Lab Schedule Summer 2023

Monday	Tuesday	Wednesday	Thursday	Friday
19	20	21 Lecture: 18 Blood FIRST DAY OF CLASS! BE HERE!!!	22 Lecture: 18 Blood Lab: Blood Typing	23 Lecture: 19 Heart
26 Lecture: 19 Heart Lab: Sheep Heart Dissection	27 Lecture: 19 Heart/20 BV's Lab: Pulse, Hemodynamics and Blood Pressure	28 EXAM 1 Chapters 18 & 19	29 Lecture: 20 Blood Vessels Lab: Pig Dissection: Circulatory: Anterior	30 Lecture: 20 BV's, 23 Resp.
July				
Monday	Tuesday	Wednesday	Thursday	Friday
3 Lecture: 23 Respiratory Lab: Pig Dissection: Circulatory: Anterior & Posterior	4 	5 EXAM 2 Chapters 20 & 23	6 Lecture: 17 Endocrine Lab: Pig Dissection: Circulatory: Posterior	7 Lecture: 17 Endocrine and 21 Lymphatics
10 Lecture: 21 & 22 Lymph. Lab Practical 1 Sheep Heart and Pig Circulatory System	11 Lecture: 22 Lymphatics Lab: Pig Dissection: Digestive, Immune and Respiratory	12 EXAM 3 Chapters 17, 21 & 22	13 Lecture: 26 Digestive Lab: Pig Dissection: Digestive, Immune and Respiratory	14 Lecture: 26 Digestive
17 Lecture: 26 Digestive Lab Practical 2 Digestive, Immune and Respiratory	18 Lecture: 26 Digestive and 25 Fluids Lab: Pig/Kidney Dissection: Urinary & Reproductive	19 EXAM 4 Chapters 25 & 26	20 Lecture: 24 Urinary Lab: Pig/Kidney Dissection: Urinary & Reproductive Review all structures	21 Lecture: 24 Urinary
24 Lecture: 28 Reproduction Lab Practical 3 Urinary, Reproductive and cumulative	25 Lecture: 28 Reproduction	26 EXAM 5 Chapters 26 & 28	27 Final Exam Cumulative 9:35 - 11:35 am	28