

Biology 2652
Human Anatomy and Physiology II
Summer Semester 2021

Instructor: Dr. Teresa H. Doscher

Office: Bailey Science Building 1098

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

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Midterm: July 1, 2021. This is the last day to drop this course and receive a withdrawal grade (W).

Credit Hour: 4

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

Lab Hours: Section A MTR 11:15 – 1:05 pm BC 1203
 Section B MTR 1:10 – 3:00 pm BC 1203

Course Description:

Bio 2652 Human Anatomy and Physiology II

Prerequisite: **BIOL 2651.** 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 2651 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, 3rd edition. Publisher – McGraw Hill. This can be purchased directly from the publisher (cheaper than going through the bookstore).

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://mypages.valdosta.edu/jloughry/BIOL2652/BIOL2652.html>

<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. 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 2021**

<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 30, 2021	Chapters 18 & 19
Exam 2 – Wednesday, July 7, 2021	Chapters 20 & 23
Exam 3 – Wednesday, July 14, 2021	Chapters 17, 21 & 22
Exam 4 - Wednesday, July 21, 2021	Chapters 25 & 26
Exam 5 - Wednesday, July 28, 2021	Chapters 26 & 28
Final Exam - Friday, July 30, 2020 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 24	Cardio Physiology: Blood Typing, Blood Cells
June 28	Sheep Heart Dissection
June 29	Cardio Physiology, Pulse, BP, Vasoconstriction/Dilation
July 1	Fetal Pig Circulatory System - Anterior
July 6	Fetal Pig Circulatory System – Anterior/Posterior
July 8	Fetal Pig Circulatory System - Posterior
July 12	Lab Practical I
July 13	Fetal Pig Digestive and Immune Systems
July 15	Fetal Pig Respiratory System
July 19	Lab Practical II
July 20	Fetal Pig Urinary and Reproductive Systems
July 22	Fetal Pig Urinary and Reproductive Systems
July 26	Lab Practical III

FINAL GRADES FOR BIOL 2652 HUMAN ANATOMY AND PHYSIOLOGY II

Lecture Grades	Homework Assignments	Tests (Assessments)
Chapter 18 Blood	10	
Chapter 19 Heart	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	95	500

Laboratory Grades	
Lab Practical 1	50
Lab Practical 2	50
Lab Practical 3	50
Virtual Labs (9 x 5 pts each)	45
Lab Assignments (2 x 5 pts each)	10
Total	205

Lecture Grades	595 points
Laboratory Grades	205 points
TOTAL	800

Final Grades	
A	720 - 800 points (90% - 100%)
B	640 - 719 points (80% - 90%)
C	560 - 639 points (70% - 80%)
D	480 - 559 points (60% - 70%)
F	Below 480 points (below 60%)

Biol 2652 Tentative Lecture and Lab Schedule Summer 2021

June				
Monday	Tuesday	Wednesday	Thursday	Friday
21	22	23	24	25
		Lecture: 18 Blood	Lecture: 18 Blood	Lecture: 19 Heart
		FIRST DAY OF CLASS! BE HERE!!!	Lab: Blood Typing	
28	29	30		
Lecture: 19 Heart	Lecture: 19 Heart/20 BV's	EXAM 1		
Lab: Sheep Heart Dissection	Lab: Pulse, Hemodynamics and Blood Pressure	Chapters 18 & 19		
July				
Monday	Tuesday	Wednesday	Thursday	Friday
			1-Jul	July 2
			Lecture: 20 Blood Vessels	Lecture: 20 BV's, 23 Resp.
			Lab: Pig Dissection: Circulatory: Anterior	
5	6	7	8	9
	Lecture: 23 Respiratory	EXAM 2	Lecture: 17 Endocrine	Lecture: 17 Endocrine and 21 Lymphatics
	Lab: Pig Dissection: Circulatory: Anterior & Posterior	Chapters 20 & 23	Lab: Pig Dissection: Circulatory: Posterior	
12	13	14	15	16
Lecture: 21 & 22 Lymph.	Lecture: 22 Lymphatics	EXAM 3	Lecture: 26 Digestive	Lecture: 26 Digestive
Lab Practical 1 Sheep Heart and Pig Circulatory System	Lab: Pig Dissection: Digestive, Immune and Respiratory	Chapters 17, 21 & 22	Lab: Pig Dissection: Digestive, Immune and Respiratory	
19	20	21	22	23
Lecture: 26 Digestive	Lecture: 26 Digestive and 25 Fluids	EXAM 4	Lecture: 24 Urinary	Lecture: 24 Urinary
Lab Practical 2 Digestive, Immune and Respiratory	Lab: Pig/Kidney Dissection: Urinary & Reproductive	Chapters 25 & 26	Lab: Pig/Kidney Dissection: Urinary & Reproductive Review all structures	
26	27	28	29	30
Lecture: 28 Reproduction	Lecture: 28 Reproduction	EXAM 5		Final Exam
Lab Practical 3 Urinary, Reproductive and cumulative		Chapters 26 & 28		Cumulative 9:35 - 11:35 am