

Biology 2652
Human Anatomy and Physiology II
Summer Semester 2022

Instructor: Dr. Teresa H. Doscher

Office: Bailey Science Building 1098

Office Hours: Tuesday 3:15 – 4:30 pm or by appointment

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Midterm: July 3, 2022. 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: Principles of Anatomy and Physiology, 14th, 15th or 16th edition, by G. J. Tortora & B. Derrickson, John Wiley & Sons.

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: 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 Academic Student Conduct Code 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.

TEXTING OR USING YOUR PHONE WILL NOT BE TOLERATED DURING CLASS!
YOU WILL BE ASKED TO LEAVE THE CLASS IF THIS POLICY IS BROKEN!

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).

COVID, FACE COVERINGS AND SOCIAL DISTANCING

Blazers protect Blazers. As members of a community, we seek to protect others and ourselves. The first line of protection against COVID 19 is to be fully vaccinated, including a booster. Vaccinations are strongly encouraged and are available free of charge through VSU Health Services and many local pharmacies. Information about scheduling an appointment at Student Health Services is available at <https://www.valdosta.edu/administration/student-affairs/student-health/>.

To protect yourself and others, properly wearing a face covering is strongly encouraged in all classrooms and other instructional spaces at all times.

If you are experiencing COVID symptoms, use the free testing available at the Student Health Center; you may also obtain a test at many other locations around town. If you test positive, please report your case using the COVID Self Reporting tool at the top of your MyVSU page. Guidance on student absences is available at <https://www.valdosta.edu/academics/academic-affairs/guidance-on-student-absences.php>. To report an absence to the Dean of Students Office, complete the form at <https://www.valdosta.edu/administration/student-affairs/absentee-notification-form.php>.

If you must self-isolate or quarantine, follow the directions provided by Student Health after you have reported your COVID status.

GEORGIA DEPARTMENT OF HEALTH GUIDANCE ON ISOLATION AND QUARANTINE:

Isolation: If you test positive for COVID-19, everyone (regardless of vaccination status) must:

- Isolate at home for 5 days from the date symptoms first appeared or, if asymptomatic, the date of the positive test. Stay away from others in the household as much as possible during isolation.
- After 5 days, if you have no symptoms or your symptoms are resolving and you have not had fever for more than 24 hours without the use of fever-reducing medication, you may end isolation. If symptoms are not improving or fever has not resolved, you should continue isolating until these criteria are met.
- After ending isolation, you should continue to wear a mask around others for 5 days.

Quarantine: If you have been exposed to someone with COVID-19 and you are

- Boosted, or have become fully vaccinated within the last 6 months (Moderna or Pfizer vaccine) or within the last 2 months (J&J vaccine):
 - You do not need to quarantine at home.
 - You should wear a mask around others for 10 days.
 - If possible, get tested on day 5.
 - If you develop symptoms, get tested and isolate at home until test results are received, then proceed in accordance with the test results.
- Unvaccinated, or became fully vaccinated more than 6 months ago (Moderna or Pfizer vaccine) or more than 2 months ago (J&J vaccine) and have not received a booster:
 - You must quarantine at home for 5 days. After that, continue to wear a mask around others for 5 additional days.
 - If possible, get tested on day 5.
 - If you develop symptoms, get tested and isolate at home until test results are received, then proceed in accordance with the test results.

ALL GUIDANCE LISTED HERE IS SUBJECT TO CHANGE BASED ON RECOMMENDATIONS FROM THE GEORGIA DEPARTMENT OF PUBLIC HEALTH. VSU RESERVES THE RIGHT TO ADJUST PLANS AS NECESSARY.

For the student, we advise that you should also email your professors to inquire about course work, staying on track, and making up missed assignments/exams. Given that much of the course material and lectures are available online at this time, students should progress in their coursework unless they are physically unable to do so or the nature of their absence does not permit them to do so. Students are also advised this is not an excused absence from class; rather it is the professor's right to determine the impact of the absence following the absence guidance offered in the syllabus. If students frequently miss class without good reason then later have a reason for absence notification to take place, their prior lack of participation in the course may negatively impact the available excused absences a professor may offer. Lastly, students are not required to let their professors know why they are absent so long as an absentee notification has been sent on their behalf from Student Affairs. If your absence is COVID-related, be sure you have completed the Self Report Form in the MyVSU portal and talked with Student Health Services. Student Health is providing Student Affairs with all student absence information related to COVID.

If you suspect you are positive for COVID you can get tested for FREE at the Student Health Center. If you are told to quarantine due to COVID, I will try to work with you the best I can, BUT you will have to do your part to COMMUNICATE with me, study on your own and complete assignments during your quarantine. This is not a free pass to miss class. You are still responsible for learning the material covered in the course during your absence.

Make sure you report to the Dean of Students so they can send out a notification to your professors. Lectures/labs will not be recorded but the powerpoints will be made available to you. It will be up to you to study the powerpoints and read the text to prepare for quizzes/exams and complete any assignments if applicable. Students who are quarantined will be dealt with on an individual basis so it is very important to communicate with me to make up your missed assignments and make sure you don't get behind.

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.

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 2022**

<u>Topic</u>	<u>Text Chapters</u>
The Cardiovascular System: The Blood	19
The Cardiovascular System: The Heart	20
The Cardiovascular System: Blood Vessels and Hemodynamics	21
The Respiratory System	23
The Endocrine System	18
The Lymphatic and Immune Systems	22
The Digestive System	24
Fluid, Electrolyte, and Acid-Base Homeostasis	27
The Urinary System	26
The Reproductive Systems	28

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

Exam 1 - Wednesday, June 29, 2022	Chapters 19 & 20
Exam 2 – Thursday, July 7, 2022	Chapters 21 & 23
Exam 3 – Thursday, July 14, 2022	Chapters 18 & 22
Exam 4 - Wednesday, July 20, 2022	Chapters 24 & 27
Exam 5 - Wednesday, July 27, 2022	Chapters 26 & 28
Final Exam - Friday, July 29, 2022 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 23	Cardio Physiology: Blood Typing, Blood Cells
June 27	Sheep Heart Dissection
June 28	Fetal Pig Circulatory System - Anterior
June 30	Fetal Pig Circulatory System – Anterior/Posterior
July 5	Cardio Physiology: Pulse and Blood Pressure
July 7	Fetal Pig Circulatory System – Posterior - Review
July 11	Lab Practical I
July 12	Fetal Pig Digestive and Immune Systems
July 14	Fetal Pig Respiratory System
July 18	Lab Practical II
July 19	Fetal Pig Urinary and Reproductive Systems
July 21	Fetal Pig Urinary and Reproductive Systems
July 25	Lab Practical III

FINAL GRADES FOR BIOL 2652 HUMAN ANATOMY AND PHYSIOLOGY II

Final grades will be determined as follows and may be subject to change:

Lecture Exams

Lecture Exam I	100 points
Lecture Exam II	100 points
Lecture Exam III	100 points
Lecture Exam IV	100 points
Lecture Exam V	100 points
<u>Final Exam (optional and cumulative)</u>	<u>100 points (replaces lowest)</u>
Total Lecture	500 points

Lab Practicals

Lab Practical I	50 points
Lab Practical II	50 points
<u>Lab Practical III</u>	<u>50 points</u>
Total Lab	150 points

Assignments / Quizzes: Will be added into the final grade as needed.
At least 5 HW assignments, labs or quizzes **50 points**

Total Grade Points	700 points
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Final Grades

630-700 points (90% - 100%)
560-629 points (80% - 90%)
490-559 points (70% - 80%)
420-489 points (60% - 70%)
Below 420 points (below 60%)

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