

**Biology 2652**  
**Human Anatomy and Physiology II**  
**Spring Semester 2022**

**Instructor:** Dr. Teresa H. Doscher

**Office:** Bailey Science Building 1098

**Office Hours:** Tuesday 3:15 – 4:30 pm, Wednesday 1 – 2:00pm or by appointment

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

**E-mail:** [thdosche@valdosta.edu](mailto:thdosche@valdosta.edu)

**Midterm:** March 10, 2022. This is the last day to drop this course and receive a withdrawal grade (W).

**Credit Hour:** 4

**Lecture Hours:** Sections A & B: TR 2:00 pm – 3:15 pm BC 1023

**Lab Hours:** Section A: M 2:00 – 3:50 am BC 1203

Section B: M 4:00 – 5:50 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, 14<sup>th</sup>, 15<sup>th</sup> or 16<sup>th</sup> edition, by G. J. Tortora & B. Derrickson, John Wiley & Sons.

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

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

**Laboratory Specimens:** You will not need to purchase a sheep heart, sheep kidney or fetal pig for lab dissection. They will be provided for you. Gloves will also be provided unless they are excessively used.

**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 2<sup>nd</sup> 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](http://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, models, slides, etc. 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 a missed lab or a missed lab practical (exam).**

**NO MAKE-UP LABORATORY EXAMS WILL BE GIVEN!!!!**

**TENTATIVE LECTURE OUTLINE  
SPRING SEMESTER 2022**

| <u>Topic</u>  | <u>Text<br/>Chapter</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<br>Homeostasis          | 27                      |
| The Urinary System  | 26                      |
| The Reproductive Systems                                  | 28                      |

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

|   |                      |
|---|----------------------|
| Exam 1 - Tuesday, February 1, 2022                        | Chapters 19 & 20     |
| Exam 2 – Tuesday, February 22, 2022                       | Chapters 21 & 23     |
| Exam 3 – Thursday, March 10, 2022                         | Chapters 18 & 22     |
| Exam 4 - Thursday, April 7, 2022                          | Chapters 24 & 27     |
| Exam 5 - Thursday, April 28, 2022                         | Chapters 26 & 28     |
| <b>Final Exam - Wednesday, May 4, 2022 2:45 – 4:45 pm</b> | <b>Comprehensive</b> |

**TENTATIVE LAB SCHEDULE**

| Date     | Topic  |
|----------|--|
| Jan. 10  | <b>No Lab</b>  |
| Jan. 17  | <b>MLK Holiday – no lab</b>                                  |
| Jan. 24  | Cardio Physiology - Microscopy of Blood Cells & Blood Typing |
| Jan. 31  | Sheep Heart Dissection                                       |
| Feb. 7   | Cardio Physiology: Pulse & Blood Pressure                    |
| Feb. 14  | Fetal Pig Circulatory System - Anterior                      |
| Feb. 21  | Fetal Pig Circulatory System - Posterior                     |
| Feb. 28  | Fetal Pig Circulatory System and Sheep Heart Review          |
| March 7  | <b>Lab Practical I</b>                                       |
| March 14 | <b>Spring break – no lab</b>                                 |
| March 21 | Fetal Pig Digestive and Immune Systems                       |
| March 28 | Fetal Pig Respiratory System                                 |
| April 4  | <b>Lab Practical II</b>                                      |
| April 11 | Fetal Pig Urinary and Reproductive Systems                   |
| April 18 | Fetal Pig Urinary and Reproductive Systems                   |
| April 25 | <b>Lab Practical III</b>                                     |

**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> |
| <b>Total Lecture</b>                        | <b>500 points</b>                   |

**Lab Practicals**

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

**Assignments / Quizzes:** Will be added into the final grade as needed.

At least 5 HW assignments, labs or quizzes    **50 points**

|                           |                   |
|---------------------------|-------------------|
| <b>Total Grade Points</b> | <b>700 points</b> |
|---------------------------|-------------------|

**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%)