

**VALENCIA COLLEGE**

**Human Anatomy and Physiology II - BSC 2094C**

**4 credit hours**

**Spring 2023 Course Syllabus CRN 24792**

**Professor: Dr. Seemi Usmani**

**Email: Via Canvas**

**susmani1@valenciacollege.edu**

**Meeting Time & Location:**

**Thursday Lab: 2.00- 4.45 pm, HSB- Room 141**

**Office Hours: By Appointment**

**COURSE DESCRIPTION**

Continuation of BSC 2093 C, including cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems with considerable emphasis on biochemistry of metabolic processes and body fluids.

**PREREQUISITES**

Minimum grade of C in BSC 2093 C or department approval.

**REQUIRED TEXTBOOK**

It is important to have the required textbooks as you will learn not only new and interesting material, but will study for all your graded work from this textbook. Many of our weekly assignments are based on the textbook's Wiley plus platform, please have this version of the book in the first week. In case of having issues getting the textbook, please talk with me early in the semester, so that you can be helped. You will be working on the lab manual for the on campus labs

**Principles of Anatomy & Physiology 16e with WileyPLUS and Laboratory Manual for Anatomy & Physiology ISBN: 9781119829799 (Authors Tortora & Allen)**

**COURSE OBJECTIVES**

1. To be able to identify the major organs of the cardiovascular system and describe the functions of each.

2. To be able to identify the major organs of the lymphatic system, describe their functions, and the steps of the immune response.
3. To be able to identify the major organs of the respiratory system and describe the functions of each.
4. To be able to identify the major organs of the digestive system and describe the functions of each.
5. To be able to explain the detailed principles of metabolism, including the mechanisms by which nutrients are ingested, processed, and utilized by the body.
6. To be able to identify the major organs of the urinary system and describe the functions of each.
7. To be able to explain the processes involved in fluid, electrolyte, and acid-base homeostasis.
8. To be able to identify the major organs of the reproductive system and describe the functions of each
9. To be able to apply the knowledge into problem solving and real life situations.

## **IMPORTANT DATES**

**Drop/ Refund Deadline** 1/17/23

**Withdrawal Deadline:** 3/24/23

## **STUDENT SUCCESS INFORMATION**

### **Grading Scale**

Letter Grade	Percentage
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	less than 60%

### **Grading Breakdown**

Assignments	Points	Percent
Lecture exams (3)	300	41
Lab Practical Exams (2)	150	20
Final Exam	130	17.5
Lab Manual	35	05
Lab Attendance	20	03
Wiley plus Real Anatomy	55	07

Chapter Quizzes	20	03
Activities	25	3.5
Total	735	100 %

\* Available points may be changed at the discretion of the professor.

This is a mixed mode class, with **mandatory on- campus labs every Thursday** and online-narrated recorded lectures

Your learning and success in this course will be assessed by a variety of methods; weekly chapter assignments including quizzes, Real Anatomy assignments on the lab content, which include interesting opportunities to learn anatomy on cadaveric views. In the face-to-face labs, we will be studying models and performing dissections. We will have interesting class activities.

**Exams:** There are three scheduled lecture exams, two lab. exams and the Final exam.

Exam 1: Blood and Heart

Exam 2: Blood Vessel and Lymphatic Systems

Exam 3: Respiratory System, Digestive System & Metabolism

Lab. Practical 1: Blood cells, Heart, Blood Vessels- written exam on campus

Lab. Practical 2: Respiratory & Digestive Systems- written exam on campus

Final Exam: (90% material from Chaps 26 to 29) Urinary System, Fluid and Electrolytes, Reproductive System & Development. 10% material from previous chapters.

Besides the graded assignments, there are additional resources in WileyPLUS, that enhance your learning.

## **CLASS EXPECTATIONS**

In this class, computer and internet access are required for online assessments and the instruction pattern includes narrated lecture videos.

For maximum learning, please come prepared for the on- campus labs to study and review the models rather than initial learning. Bring your lab manuals and print out lab checklists from Canvas prior to the lab. Please attend labs in proper dress code; closed toes shoes and white coat. There will be no food or beverages allowed during labs.

This course will provide the foundations upon which your professional careers will be based. In addition to enthusiasm and motivation, time organization is important. **You should study at**

**least two to three hours each day to be successful in this course.** This course will emphasize the ability to think critically and application of knowledge.

The exams will mainly consist of multiple-choice questions including application questions & may include short essay questions. There are two lab exams, which will assess the knowledge of anatomical structures, and their context. These will not be multiple choice.

Please set aside time to take the exams as scheduled. It will not be possible accommodate requests to take the exams earlier or later than the scheduled time.

Please **download the Respondus lockdown browser in week 1, as this will be required for all online examinations.**

### **Attendance**

Your success in this class is important to me. Please attend the on- campus labs regularly and complete all lab manual assignments. There are 20 attendance points for the on-campus labs. You are allowed to miss one lab day due to an illness or emergency without losing attendance points. For each absence, except for the first, two attendance points will be deducted from the student's available attendance points.

It is important that you attend regularly; otherwise, you will miss many learning opportunities. To remain engaged in the course, I encourage you to check emails, announcement postings frequently, at least every day.

Research shows collaboration helps students learn. Your class participation will help you learn, engage and collaborate with each other.

In the event of an absence from the class, please contact me as soon as possible to indicate the reason, so that we can make plans for your success, in accordance with my make-up policy.

Please attend the lab and complete week one assignments. It is important to be aware of the first week **'no show'** policy and Valencia attendance policy.

Please read the policy at [Valencia College Class Attendance Policy](#),

### **Make-up Policy**

Make- up exams are defined as exams which are not taken by the students as scheduled.

While there are no make-up exams and lab exams or assignments, exceptions can be made under valid/ emergent verifiable circumstances as due to an illness, when a makeup of the exam/ quiz/ assignment will be allowed at the discretion of the Professor, by the following week, at the request of the student.

Since class activities are collaborative efforts, in which you learn together and from each other, it will not be possible to have a makeup for class activities.

**Please do not wait until the last minute to complete your assignments.**

**If you are unable to take a scheduled exam, please communicate with me by email as soon as possible.**

**Final Exam:** You must take the Final Exam unless you withdraw before the withdrawal deadline. Otherwise, missing the Final Exam will result in your receiving a grade of “**F**” for the course.

**Extra Credit Policy:** The only extra point opportunities are extra credit points that may be added to the exams during the semester, or extra credit work if assigned to entire class, during the semester. It will not be possible to assign any other extra credit assignments.

**Withdrawal Deadline and Policy:** The student is responsible for withdrawing from the course. The professor will not drop you from the course. Per Valencia policy, a student who withdraws from this course before the withdrawal deadline of **March 24, 2023** will receive a grade of “W”.

If you remain in the class after the withdrawal deadline, you can only receive a grade of A, B, C, D, F or I. An I grade will only be assigned under extraordinary circumstances supported with documentation that occur near the end of the semester. If you receive an I, the work missed must be made up during the following semester, at which time you will get an A, B,C,D or F. Any student who withdraws from a class during a third or subsequent attempt in the same course will be assigned a grade of "F".

If you are on financial aid, please consult an academic advisor/ counselor before withdrawing from a course, to be able to make an informed decision.

### **Faculty/Student Communication**

In addition to the opportunities during on-campus days after class, we can communicate via Zoom one-one scheduled appointments.

Please check your emails and look for new announcements at least every day in **Canvas**.

**Please email me in Canvas;** you can expect replies within 24 hours (Monday- Friday), typically sooner.

My email in Atlas: **susmani1@valenciacollege.edu**

**Academic Honesty** We want to learn in an honest and fair environment. We are required to follow Valencia policy regarding academic honesty. Academic dishonesty includes, but is not limited to, plagiarism, cheating, furnishing false information, forgery, alteration or misuse of

documents, misconduct during a testing situation, and misuse of identification with the intent to defraud or deceive.

Here is a link to [Valencia College Academic Policy](#).

The consequences for academic dishonesty may include, but not be necessarily limited to, one or more of the following:

- loss of credit for an assignment, examination, or project
- reduction in the course grade
- a grade of “F” in the course

## **CLASSROOM RULES OF STUDENT BEHAVIOR**

This class is a mixed mode class. I request each of you to please make sure that during face-to-face labs and in your online presence you show the same respect and kindness to each other as you would want to be extended to you.

We must all follow proper classroom etiquette. Communication must follow “**netiquette**”. For an overview of basic rules for web- based communication, please see **Core rules of Netiquette**.

Some basic rules: Never use ALL CAPS (this is perceived as shouting). To emphasize put the important phrase in \*asterisks\* instead.

Write succinctly, regardless of whether the medium is an email or discussion board posting. As in life, be polite and courteous.

Under no circumstances will your test scores, total points or final grades be discussed on telephone. FERPA rights to privacy prevent the divulging of scores or related materials by that means. Scores will only be given within Canvas, or by accessing your Atlas account.

You are expected to be familiar with all policies, rules, and regulations stated in the **Valencia College Student Handbook**

## **VALENCIA COLLEGE CORE COMPETENCIES**

The faculty of Valencia College has identified four core competencies that define the learning outcomes for a successful Valencia graduate. The four competencies are:

1. **Think**- think clearly, and creatively, analyze, synthesize, integrate and evaluate in the many domains of human inquiry
2. **Value** - make reasoned judgments and responsible commitments
3. **Communicate** - communicate with different audiences using varied means
4. **Act** - act purposefully, effectively and responsibly.

## STUDENT SUPPORT INFORMATION

### Baycare Behavioral Health's Student Assistance Program

Students have 24 hour unlimited access to the **Baycare Behavioral Health's confidential student assistance program** phone counseling services by calling **(800) 878-5470**. Three free confidential face-to-face counseling sessions are also available to students."

### Equity Statement:

Valencia College is committed to creating an inclusive learning environment that meets the needs of all students. If you experience any barriers to learning in this course, please feel welcome to discuss with me.

Preferred names: I know your names from the class roster, I will be happy to address you by your preferred names. Please communicate this early in the semester.

### Students with Disabilities Information:

*"Students with disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) form from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably **during the first two weeks of class**; accommodations will not be applied retroactively. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities."*

*West Campus SSB, Rm. 102 Phone: 407-582-1523 Fax: 407-582-1326*

**Technology Requirements:** The college uses the Canvas learning management system (LMS).

The following link provides answers to common questions students may have about Canvas:

<https://valenciacollege.edu/faculty/canvas-resources/student-faqs.php>

The following link lists the minimum computer requirements to successfully run Canvas:

<https://community.canvaslms.com/docs/DOC-10721-67952720328>

### Support Services:

#### West Campus Bookstore

Visit the **Valencia Campus Store website** for more information on campus hours and online ordering.

**407-582-1471**

**Customer Service Team:**  
**407-582- 5310**  
**[onlineorder@valenciacollege.edu](mailto:onlineorder@valenciacollege.edu)**

### **Learning support/ Tutoring**

For tutoring please see [Learning Support](#).

You can visit the [Keep Learning Webpage](#) for resources to help you learn online.

**Brainfuse** is our new 24/7 online tutoring and learning hub, which is available to you, best used as a back-up to Valencia's Distance Tutoring service, not as a replacement. Brainfuse is accessible through Canvas in course navigation menu.

### **Enrollment services:**

Phone access: 407-582-1507

Email: [enrollment@valenciacollege.edu](mailto:enrollment@valenciacollege.edu)

### **Academic Advising:**

Call: 407-582-1507

Email: [advising@valenciacollege.edu](mailto:advising@valenciacollege.edu)

Connect with [Advising and Counseling](#).

### **Virtual Answer Center:**

for general enrollment questions

[Virtual Answer Center](#)

### **Financial Aid:**

Contact [FinAidOffice@valenciacollege.edu](mailto:FinAidOffice@valenciacollege.edu) for your financial aid questions, as well as for potential assistance with financial support

## **COURSE PARTICIPATION**

“Learning is an action verb!” Most students need to do more than go through lectures and read their notes.



Have a positive attitude and **spend at least 2-3 hour blocks of time every day** actively writing or discussing concepts to make them a part of your memory. Use the words you learn often, they will sink in better.

- **Attend regularly.** Attend on-campus labs, complete weekly assignments in Canvas, which include assigned book chapters, lectures, and assessments.
- **If you have gaps in understanding, please ask questions, email me.**
- **Check your email and announcements in Canvas at least every other day.**
- **Manage your time well for completing assignments early, rather than just close to the cutoff time.**
- **Be aware of exam deadlines ahead of the time.**
- **Seek online tutoring early rather than later, if you feel you need it!**

### **Disclaimer**

*“The course outline and syllabus are subject to change as needed; changes will be announced in class or email, in a timely manner, when necessary. Your continued participation in this course after the drop-add deadline period constitutes an agreement with and an acceptance of the conditions presented in this syllabus.”*

## TENTATIVE COURSE OUTLINE

### BSC 2094 C Spring 2023

<b>Date</b>	<b>Reading Assignments/Topics</b>	<b>Assignments</b>
<b>Week 1</b> of 1/9/23	The Heart (Chap. 20)	Heart quiz
On Campus lab 1/12/23	Lab Regulations & Heart lab.	Lab manual assignment
<b>Week 2</b> of 1/17/23	The Heart (Chap. 20) contd.	Real Anatomy Heart Assignment
On Campus lab 1/19/23	Heart Dissection	Lab manual assignment
<b>Week 3</b> of 1/23/23	The Blood (Chap.19)	<b>Blood Cell Quiz</b>
On Campus lab  1/26/23	Blood cells & Blood Typing lab	Lab manual assignment
<b>Week 4</b> of 1/30/23	Circulatory Pathways (Chap. 21)	<b>Exam 1 (Blood and Heart)</b>
On Campus lab 2/2/23	Blood Vessels lab.	Real Anatomy Arteries Assignments
		Lab manual assignment
<b>Week 5</b> of 2/6/23	Hemodynamics (Chap. 21) contd	
On Campus lab  2/9/23	Blood Vessels lab.  Blood Pressure lab	Real Anatomy Veins Assignments  Lab manual assignment
<b>Week 6</b> of 2/13/23	Lymphatic system & Immunity (Chap. 22)	
On Campus lab  2/16/23	<b>Lab Exam 1 (Blood cells, Heart, Blood Vessels)</b>  Respiratory System lab	Real Anatomy Lymphatic's Assignment
<b>Week 7</b> of 2/20/23	Respiratory System (Chap. 23)	
On Campus lab  2/23/23	Respiratory System lab.	Real Anatomy Respiratory system

		Lab manual assignment
<b>Week 8</b> of 2/27/23	Respiratory System (Chap. 23) contd	<b>Exam 2</b> (Blood Vessels and Lymphatic system)
	Digestive System lab.	Lab manual assignment
On Campus 13/2/23		Real Anatomy Digestive
<b>Week 9</b> of 3/6/23	The Digestive System (Chap 24)	<b>Chapter 23 Quiz</b>
On Campus lab		
3/9/23	Digestive System lab. & Class activity	Lab manual assignment
<b>Week 10</b> of 3/13/23	****Spring Break****	
	Metabolism and Nutrition (Chap 25)	<b>Chapter 24 Quiz</b>
<b>Week 11</b> of 3/20/23		
On Campus lab	<b>Lab Exam 2</b> (Respiratory & Digestive Systems)	
3/23/23	Urinary System lab	
<b>Week 12</b> of 3/27/23	The Urinary system (Chap 26)	<b>Exam 3 (Respiratory, Digestive &amp; Metabolism).</b>
On Campus lab		
3/30/23	Urinary System	
<b>Week 13</b> of 4/3/23	Fluid electrolyte & acid base homeostasis (Chap 27)	
On Campus 4/6/23	Urinary System & Class activity	Real Anatomy Urinary System
	Reproductive System (Chap 28)	
<b>Week 14</b> of 4/10/23		Real Anatomy Male & Female Reproductive
On Campus lab		
4/13/23	Reproductive System lab	Lab manual assignment

**Week 15** of 4/17/23

Development (Chap 29)

On Campus lab

4/20/23

Reproductive System lab

**Week 16** 4/27/23

**Final Exam on-campus 4/27**

**Final Exam**

\* Lab Manual Assignments pertaining to a lab will typically be due in the next lab day.

*Schedule can be changed at the discretion of the instructor as needed*