

## BSC2094C - Human Anatomy & Physiology II

Course Syllabus, sample (face to face)

### General Information:

**Instructor:** Betsy Brantley  
**Office:** HSB-138  
**Phone:** extension 5750 (407-582-5750)  
**E-Mail (best way to contact):** canvas messenger or [bbrantley3@valenciacollege.edu](mailto:bbrantley3@valenciacollege.edu)  
**Office Hours:** See the post in Canvas on office hours

### Required Text:

**Anatomy & Physiology: The Unity of Form and Function 8e** by Ken Saladin (McGraw-Hill)

You can purchase the textbook with access code at the Valencia bookstore.

You can also purchase the etext and access directly through the link in your course in Canvas.

While you're welcome to look for a used textbook, you're also going to need access to all the materials in CONNECT. So, really your least expensive option is to purchase the packet together. At both the Valencia bookstore and online, the cost should be ~\$160

### Course Description

BSC2094C is the second half of a two-semester course dealing with the anatomy and physiology of the human body. The topics covered include the structure and function of the cardiovascular, respiratory, lymphatic, digestive, urinary, and reproductive systems.

**Prerequisites:** Minimum grade of C in BSC2093C or department approval

### Course Objectives:

1. Understand the structure and function of the major organs of the cardiovascular system.
2. Identify major organs of the lymphatic system, describe their function, and the steps in the immune response.
3. Understand the structure and function of the major organs of the respiratory system.
4. Understand the structure and function of the major organs of the digestive system.
5. Explain the detailed principles of metabolism, including the mechanisms by which nutrients are ingested, processed, and utilized by the body.
6. Understand the structure and function of the major organs of the urinary system.
7. Explain the regulation of volume & composition of body fluids and balancing of pH of body fluids.
8. Understand the structure and function of the major organs of the reproductive system.
9. Explain the role of inherited genetic material and development in the uterus in determining the homeostasis of a developing embryo, fetus, and birth of a healthy child.
10. Apply the information and integrate that information into common life situations.

### Valencia College Core Competencies

The faculty of Valencia College has identified four core competencies that define the learning outcomes for a successful Valencia graduate. These competencies are at the heart of the Valencia experience and provide the context for learning and assessment at Valencia College. You will be given opportunities to develop and practice these competencies in this class. 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.

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Total %

### Evaluation/Grading:

<b>Exams (4)</b>	50
<b>Connect &amp; class Assignments</b>	15
<b>Quizzes</b>	15
<b>Labs</b>	10
<b>Final Exam</b>	10
<b>Grand Total</b>	<b>100</b>

### Grading Scale

Grade	A	B	C	D	F
	90-100%	80-89%	70-79%	60-69%	<60%

### **Exams**

There will be 5 lecture exams and 5 lab practicals given in the course (4 plus a cumulative final). Lecture exams may include multiple choice, matching, fill in the blank, labeling, or short answer questions. Lab practicals will be fill-in-the-blank identification questions. Spelling **does** count.

All exams **MUST** be taken on scheduled dates **ONLY** (not early and not late). If an exam is missed, a grade of **0** will be given for that missed exam. There are **NO MAKE-UP EXAMS**.

Final exams are cumulative (both a lab practical and written exam). If you score higher on the final exam than on one of the previous 4 exams, the low score will be replaced by the final exam grade.

The final exam score will not be dropped. Failure to take the final exam will result in a 10% penalty on your overall course grade.

### **Connect Assignments**

Will be completed in Connect (direct link in Canvas). Besides your assignments, there are many valuable additional resources in Connect including LearnSmart Prep.

All assignments are due the given date and time **WILL NOT BE ACCEPTED LATE**.

I repeat, **no** assignments will be accepted late for any reason.

The lowest two assignment grades will be dropped.

### **Quizzes**

Quizzes will be given both in class and online in Connect. If you miss a quiz, you will receive a **zero** for that quiz.

There are no make-up quizzes.

The lowest 3 quiz scores will be dropped.

### **Labs**

For each lab, you have a lab guide posted in Canvas. It is your responsibility to print out that lab guide and bring it with you to class. **No lab guide = no points**.

All labs require **closed toes shoes and lab coats**. You will not be allowed to participate in lab (meaning you also miss that day's quiz) without appropriate footwear.

If you do not bring your lab coat, you will lose 5 points for that lab.

You may borrow a lab coat on **ONE** occasion only. The 2<sup>nd</sup> time you forget your lab coat, you will not be allowed to participate in the lab.

If you miss a lab session, you will receive a **zero** for that lab. There are no make-up labs.

The lowest one lab score will be dropped.

### Logistical Information:

**Absences** - Missing more than 3 class meetings constitutes grounds for withdrawal from the course by your

instructor. Communication is the key. You will be contacted via Canvas and/or Valencia email prior to the withdrawal.

**Withdrawal - The drop/refund deadline is **xxxx**.**

*Valencia wants all students to be successful in their classes. In this class section, use the "Thinking of Withdrawing" located above "My Grades" in Canvas to help you avoid needing to withdraw. Go to <https://youtu.be/fflKAOh4pu4> to learn more!*

During the "no-show" period (xxxx), you may be withdrawn from the course by your instructor. The basis for a withdrawal for non-attendance has two parts:

1. Failure to attend any class meetings and 2. Failure to contact your instructor.

"A student who withdraws from class before the withdrawal deadline will receive a grade of "W." A faculty member is permitted to withdraw a student from the faculty member's class up to the beginning of the final exam period, for violation of the faculty member's attendance policy, as published in the faculty member's syllabus. A student is not permitted to withdraw from this class **after** the withdrawal deadline; 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 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. Failure to make up the work during the following semester will result in you getting a grade of F in the course. Any student who withdraws from this class during a third or subsequent attempt in this course will be assigned a grade of "F." (Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals). **In this class, a student missing 3 sessions may be withdrawn from the class.** Before withdrawing from the class you are advised to consult the professor and an advisor or counselor. **The withdrawal deadline is **xxxx**.**

**Disabilities:**

Students with disabilities who qualify for academic accommodations must work through the Office for Students with Disabilities (OSD) and discuss specific needs with me during the first week of classes. The OSD determines accommodations based on appropriate documentation of disabilities (West Campus SSB102, ext 1523)

**Academic Honesty**

Please review Valencia's policy on academic dishonesty (student handbook - college policy 6HX28: 10- 16). The short version is - do your own work and submit your own ideas. Any violation of the policy (submitting someone else's work as your own, cheating on an exam, etc.) will result in a grade of zero on that assignment. Repeat offenses will result in an F in the course and referral to the Dean of Students.

**Baycare Behavioral Health's Student Assistance Program**

Valencia is committed to making sure all our students have a rewarding and successful college experience. To that purpose, Valencia students can get immediate help that may assist them with psychological issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. 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.

Course Sequence/Tentative Schedule

Lab Meetings	Lab Tuesday	Class Meetings	Lecture Thursday	Chapter
1	Blood components; blood type	1	The circulatory system: blood	18
2	Heart anatomy	2	The circulatory system: heart	19
3	Heart physiology (EKG)	3	The circulatory system: blood vessels and circulation	20
4	Blood vessels and pressure lab	4	The lymphatic and immune systems	21
5	<b>EXAM ONE</b> on chapters 18-21 and Lab Practical One	5	The respiratory system	22
6	Respiratory anatomy & physiology	6	The Digestive system	25
7	Digestive system anatomy	7	Nutrition and metabolism	26
8	<b>EXAM TWO</b> on chapters 22, 25, 26 and Lab Practical Two	8	Urinary anatomy	23
9	Urinary system	9	Renal physiology	23
10	Renal physiology	10	Fluid, electrolyte, and acid-base	23-24
11	Acid-base balance	11	Review	24
12	<b>EXAM THREE</b> on chapters 23-24 and Lab Practical Three	12	Male Reproductive systems	27
13	Reproductive	13	Female Reproductive systems	28
14	Development and Heredity	14	Development and Heredity	29
15	<b>EXAM FOUR</b> on chapters 27-29 and Lab Practical Four	15	Review	
16	<b>FINAL EXAM and Lab Practical Final</b> (cumulative)	16	No class	