**BSC2094C – Human Anatomy & Physiology II**

Course Syllabus, Fall 2020

**Please read this statement carefully**: This course requires you to take exams using certain proctoring software that uses your computer's webcam or other technology to monitor and/or record your activity during exams. The proctoring software may be listening to you, monitoring your computer screen, and viewing you and your surroundings. By enrolling in this course, you consent to the use of the proctoring software, including but not limited to any audio and/or visual monitoring which may be recorded during the exam.

**Digital Requirements for this course:**

1. Reliable internet connection
2. Computer or laptop (NOT just a smart phone or tablet). Valencia has laptops available for student check out. [www.valenciacollege.edu/laptop](https://nam01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.valenciacollege.edu%2Flaptop&data=02%7C01%7Cbbrantley3%40valenciacollege.edu%7C323546fe3c1d40482cfe08d82746d734%7C0e8866953d1741a88544135b0a92a47c%7C1%7C0%7C637302532511848857&sdata=Oec1NxpIRKk7Xq105AaGM%2BiaUkMZjM6IPERp6AepvJw%3D&reserved=0)
3. Working webcam AND microphone. These can be built in to your laptop or they can be external devices. You must be able to move the webcam in order to scan your testing area prior to taking an exam

**General Information:**

**Instructor:**     Betsy Brantley

**Office:**HSB-138 (in a normal semester…..for this semester, my office is wherever my laptop is)

**Phone:**extension 5750 (407-582-5750) – leave a message

**E-Mail (best way to contact):** canvas messenger or  [bbrantley3@valenciacollege.edu](mailto:bbrantley3@valenciacollege.edu)

**Office Hours:**See the post in Canvas on zoom office hours

**Required Text:**

**Anatomy & Physiology: An Integrative Approach** 3rd ed by McKinley, O’Laughlin, & Bidle (McGraw-Hill)

Loose leaf text with Connect access code ISBN: 9781264303953

You can purchase the textbook with access code at the Valencia online 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 the Valencia bookstore, the cost is $141.20.The digital only text through McGraw-Hill direct should be ~$100

\*\*If you have access to the Saladin text and CONNECT from spring 2020 or summer 2020, contact me BEFORE you buy a new textbook\*\*

**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

**How this course works**

Each week, you’ll have online assignments that you’ll complete both in Canvas and CONNECT.

1. Canvas
   1. Canvas has the official course **calendar** and due dates.
   2. Canvas is where all of your official course **grades** are posted
   3. Canvas is where you’ll find all of your course **announcements**
   4. Canvas has your **lab guides** and **lecture notes**, and your link to **zoom meetings**.
   5. Canvas is where you’ll be **submitting your anatomy labs** and **taking your quizzes**.
   6. As of right now, Canvas is also where you’ll be taking your exams.
   7. You’ll also find links to your CONNECT assignments in Canvas.
2. CONNECT
   1. CONNECT is where you’ll find your weekly assignments that will take you through the chapter material. They’re called SmartBook/LearnSmart assignments (see more about those in the orientation module in Canvas)
   2. CONNECT is also where you’ll find your virtual cadaver in a product called Anatomy & Physiology Revealed. (see more about those in the orientation module in Canvas)
   3. And, CONNECT is where you’ll be completing your virtual physiology labs.

The assignments for each week are not “busy work” – they are designed to guide you through the material. They’re also designed to be completed throughout the week – not crammed into one day at the end of the week.

However, this is also not an independent study course. If you’re going through the material and not understanding it…please ASK QUESTIONS!

I’ll be asking you questions and going over what I know can be confusing topics during each week’s zoom session. Yes, you are required to attend the zoom meetings. There are multiple time options available to fit everyone’s schedule.

Your responsibilities:

1. Check your email and Canvas Announcements every day for potential course announcements.
2. Organize your time….for both study and completing assignments. I know you may have other classes, jobs, family, social life. But, YOU are responsible for organizing all of that in a way that will allow you to be successful in this course.
3. Get started on each week’s assignments early
4. Check all of the due dates and exam dates NOW – and write them on your calendar.
5. Be familiar with your computer and the software required for this course. You are responsible for contacting technical support when needed (Valencia for Canvas issues and McGraw-Hill for any CONNECT issues).
6. Use a fast, reliable high speed (and preferably wired) internet connection to complete all coursework.
7. In an online course, you have to be an independent learner. I can’t read your mind. So, you have to ask questions. First read the course material (e.g., book chapters, syllabus, etc.) thoroughly. Come prepared to zoom meetings, and then still email me if you have any questions.

**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.

**Grading:**

Your grade is based on: Exams, Connect & Canvas assignments, Quizzes, Labs, and a Final Exam

|  |  |  |
| --- | --- | --- |
| **Evaluation/Grading:** | Total % | |
| **Exams (4)** | | 40 | |
| **Connect Assignments** | | 20 | |
| **Canvas Assignments & Zoom meetings** | | 10 | |
| **Weekly quizzes** | | 10 | |
| **Labs** | | 10 | |
| **Final Exam** | | 10 | |
| **Grand Total** | | **100** | |

**Grading Scale**

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

**Exams** - There will be 5 exams given in the course (4 plus a cumulative final).  These exams will be in three parts. One part will be primarily lab structure identification. The lab questions will be fill-in-the-blank (no word bank). Spelling **does** count. The other two parts will be more multiple choice, matching, and short answer. (In person, this would be one “written” exam, but online, it’s split into two so you’re not tied to a computer for an inordinately long period of time).

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**.

The final exam is cumulative.  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 and Practice Atlas.

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

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

The lowest two CONNECT assignment grades will be dropped.

**Canvas Assignments** - Will be submitted in Canvas using text entry or file upload.

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

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

The lowest one canvas assignment grade will be dropped.

**Quizzes -** Will be given online in Canvas or Connect. If you miss a quiz, you will receive a **zero** for that quiz. There are no time extensions on quizzes. There are no make-up quizzes.

The lowest 2 quiz scores will be dropped.

**Labs -** Are completed all online. There will be both anatomy labs and virtual physiology labs. You will have lab guides with directions and a list of structures to identify for the anatomy portion.

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

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

If you miss submitting a lab, 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 –**Even though this is an online course, your “attendance” (in the form of course participation) is required. We will set up times for zoom meetings in the first week of the course. You are required to attend at least one weekly zoom meeting.

Missing more than 3 required meetings may result in being withdrawn from the course by your instructor. Communication is the key. Withdrawal is not automatic. You will be contacted via Canvas and/or Valencia email prior to the withdrawal.

**Withdrawal** – **The drop/refund deadline is Aug 31, 2020.**

During the “no-show” period (Sep 1-10), you may be withdrawn from the course by your instructor IF:

* You have not attended any class zoom meetings AND
* You have not contacted your instructor.

Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals).

“*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.”*

In this class, a student missing **3** required zoom meeting may be withdrawn from the course.

Before withdrawing from the class, you are advised to consult the professor as well as an academic advisor and financial aid advisor. The withdrawal deadline (i.e. the last date you can withdraw yourself) is October 30, 2020.

**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) Accommodations are not retroactive.

**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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week | Labs/Exams/Assignments | Topics covered this week | Chptr | Due date for assignments |
| Initial | Introductory Assignments |  |  | **Aug 26** |
| 1 | Blood cell identification (anatomy)  Blood (4 virtual labs)  Osmosis (1 virtual lab)  *Virtual Lab tutorial* -*optional* | Cardiovascular system: blood | 18 | **Aug 29** |
| 2 | Heart structures (anatomy) | Cardiovascular system: heart (focus on anatomy) | 19 | **Sep 5** |
| 3 | Cardiovascular physiology | Focus on physiology | 19 | **Sep 12** |
| 4 | Blood vessels (anatomy) | Cardiovascular system:  vessels and circulation | 20 | **Sep 19** |
| 5 | Cardiovascular (2 virtual labs) | Blood pressure regulation | 20 | **Sep 26** |
| **6** | Lymphatic anatomy | Lymphatic system | 21 | **Oct 3** |
|  | **EXAM ONE** (ch 18-21) |  |  | **Open Sun-Mon**  **10/4-10/5** |
| 7 | Respiratory structures (anatomy)  Respiratory (2 virtual labs) | Respiratory system | 23 | **Oct 10** |
| 8 | Digestive system (anatomy)  Digestion (1 virtual lab) | Digestive system | 26 | **Oct 17** |
| **9** | Enzymes (3 virtual labs) | Nutrition and metabolism | 27 | **Oct 24** |
|  | **EXAM TWO** (ch 23,26,27) |  |  | **Open Sun- Mon**  **10/25-10/26** |
| 10 | Urinary system (anatomy) | Urinary system | 24 | **Oct 31** |
| **11** | Acid-base balance (virtual labs) | Fluid and electrolytes | 25 | **Nov 7** |
|  | **EXAM THREE (**ch 24-25) |  |  | **Open Sun-Mon**  **11/8-11/9** |
| 12 | Reproductive anatomy | Reproductive system | 28 | **Nov 14** |
| 13 | Development and Heredity | Development, Pregnancy, and Heredity | 29 | **Nov 21** |
| 14 | *No lab this week - Thanksgiving* | Immune system | 22 | **Nov 28** |
| **15** |  | Pull it all together |  | **Dec 5** |
|  | **EXAM FOUR** (ch 28,29,22) |  |  | **Open Fri-Sat**  **12/4-12/5** |
| **16** | **FINAL EXAM (cumulative)** |  |  | **Dates TBD in 1st week of class** |