

# Anatomy and Physiology II

## I. Course Information

<b>Course Title:</b>	<b>Anatomy and Physiology II laboratory</b>	<b>Course No. and Section:</b>	<b>BSC2086 (03, 70)</b>
Credit Hours:	3	Instructor Name:	Julio L. Martin
Course Location:	Section 03: Rm 2-120 Section 70: Online	Meeting Dates:	Section 03: Tuesdays and Thursdays: 9:30-10:45 AM  Section 70: Online
Office Location:	2-217F	Office Hours:	Mondays: 11:00-12:15 PM, 2:00-3:15 PM (Online)  Tuesdays: 12:30-1:15 PM  Wednesdays: 11:00-12:15 PM, 2:00-3:15 PM (Online)  Thursdays: 12:30-4:30 PM  Other times by appointment.
Telephone No.:	854-2322 x1584	E-mail:	<a href="mailto:martinj@cf.edu">martinj@cf.edu</a> (If possible, please contact me through Canvas)

Extended Emergency Closure

“For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our website [www.CF.edu](http://www.CF.edu).”

## II. Course Description

The sciences of anatomy and physiology are the foundation for understanding the structures and functions of the human body. We will look at how each structure of the body is designed to carry out a particular function and how the structure of a part often determines the functions it can perform. In this course you will examine: (a) the molecular, cellular, and tissue levels of organization, (b) how the body systems relate to one another, and (c) the physiological processes responsible for maintaining homeostasis.

### COURSE OBJECTIVES:

- Consider the levels of organization that characterize living things and the properties all living things share.
- Examine how the body constantly regulates its internal environment (homeostasis)
- Discuss how the various individual systems that compose the human body cooperate with one another to maintain the health of the body as a whole.
- Establish a basic vocabulary that allows us to speak about the body in a way that is understood by scientists and health-care professionals.

<b>Required Text – Title:</b>	<b>Fundamentals of Anatomy and Physiology</b>	<b>Author of Text:</b>	<b>Frederic H. Martini</b>
Edition:	11th edition	ISBN No.:	9780134810423

## III. Student Learning Outcomes/Course Objectives

Institutional Learning Outcomes	Quiz	Exam	Project/ Paper	Classroom Activity	Service Learning
<b>Critical Reasoning: The student will reflect, analyze, synthesize, and apply critical thinking.</b>					
1. State question at issue.	X	X			
2. Identify purpose of argument.	X	X			
3. Identify the ideas and concepts, information and data, and the use of such in the argument.	X	X			
4. Identify assumptions, bias, and point of view of information presented.	X	X			
5. Create plausible solutions and implications of solutions.	X	X			
6. Evaluate (Steps 1-5) and revise if needed.	X	X			

## IV. Assessment

- The instructor does not give you a grade. He/she awards you the grade you earn.
- Absences may adversely affect your performance and result in lost points due to missed class assignments, tests and quizzes.
- Prolonged absences may make withdrawal from the course the only viable option.
- Non-attendance does not constitute withdrawal from this course. It is the student's responsibility to complete the withdrawal forms by the appropriate date.
- No make-up work will be given unless there is an emergency or prior approval has been given by the instructor. In such an event, you must notify your professor before the exam or item is due unless the emergency prohibits it and you will be asked to bring proof of the emergency. A make-up exam must be taken within one week of the original exam date unless the emergency prohibits it. While you do not need to disclose personal details, let your professor know as soon as possible if something is preventing you from participating online or completing work.
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Your final grade will be calculated based on:

60% Tests + 40% Assignments

## Grading scale:

<b>A</b>	<b>90.0-100</b>
<b>B+</b>	<b>87.0-89.9</b>
<b>B</b>	<b>80.0-86.9</b>
<b>C+</b>	<b>77.0-79.9</b>
<b>C</b>	<b>70.0-76.9</b>
<b>D</b>	<b>60.0-69.9</b>
<b>F</b>	<b>0-59.9</b>

## V. Course Schedule/Outline

<b>Preparation, Activities and Evaluation</b>	
Chapter 18 – The Endocrine System	
Chapter 19 – Blood	
<b>Test #1: Chapters 18 and 19</b>	<b>Week of Jan. 30th</b>
Chapter 20 – The Heart	
Chapter 21 – Blood Vessels and Circulation	
Chapter 22 – Lymphatic System and Immunity	
<b>Test #2: Chapters 20, 21 and 22</b>	<b>Week of Feb. 27th</b>
Chapter 23 – The Respiratory System	
Chapter 24 – The Digestive System	

Chapter 25 – Metabolism and Energetics	
<b>Test #3: Chapters 23, 24 and 25</b>	<b>Week of March 27th</b>
Chapter 26 – The Urinary System	
Chapter 27 – Fluid, Electrolyte, and Acid-Base Balance	
Chapter 28 – The Reproductive System	
Chapter 29 – Development and Inheritance	
<b>Test #4: Chapters 26, 27, 28 and 29</b>	<b>Week of April 24th</b>
<b>Test #5: Final Test</b>	<b>April 28th-May 4th</b>

STATEMENT: Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes.