

Syllabus for BIOL 237: Human Anatomy and Physiology I for the Health Sciences Spring 2019

Prerequisite: BIOL 123 and 124L or 201L and CHEM 111 or CHEM 121

I. General Information:

Instructor:	Jeff W. Hill, Ph.D.	Course Number:	BIOL 237 (3 credit hours)
Office:	Academic Affairs 103	Section Number:	501
Office Phone:	505-925-8630	Semester/Year:	Spring 2019
Office Hours:	W 3:00 p.m. - 4:00 p.m.	Campus/Room:	Valencia Health Sciences 101
E-mail:	jwhill@unm.edu	Meeting Time:	MW 1:30 p.m. - 2:45 p.m.
MES Home Page:	https://valencia.unm.edu/academics/divisions/mathematics,-engineering,-and-science-mes.html		

II. Course Description:

An integrated study of human structure and function to include histology, skeletal, muscular, and nervous systems.

III. Textbooks/Materials/Resources:

Required Textbook:

Anatomy & Physiology Connect Access, Saladin, 8th edition (ISBN 978-1-2598-8019-3).

Section Web Address:

<http://connect.mheducation.com/class/j-hill-biol-237-501---spring-2019>

IV. Learning Outcomes Statements:

Upon completion of this course the student will be able to:

Outcome #1: **Define and use proper anatomical and physiological terminology.**

Outcome #2: **Analyze anatomical structure and physiologic function to understand the unity of form and function.**

Outcome #3: **Apply the concepts of general chemistry and biochemistry to the structure and function of the human body.**

Outcome #4: **Relate cellular structure and function to the organ systems of the human body and associate the loss of cellular homeostasis to disease states.**

Outcome #5: **Examine histology and tissue function in major organs.**

Outcome #6: **Explain and illustrate anatomy and physiology of the following organ systems or cellular processes macroscopically and microscopically:**

- Integumentary System
- Skeletal System
- Muscular System
- Nervous System
- Sense Organs

V. Course Requirements:

Attendance: Students enrolled for credit or audit are expected to attend all class sessions. A sign-up sheet will be handed out at the start of each class.

Students missing the first class without contacting the instructor may be dropped.

Students missing the first 2 classes for any reason will be dropped.

Students who miss the equivalent of 15% of class time (5 classes) will be dropped by the instructor.

Students must keep in mind, however, that it is ultimately their responsibility to withdraw from the course.

February 1st - Last day to drop for 100% tuition refund/last day to drop without a "W."

April 12th - Last day to withdraw without student services permission.

Absences from lecture do not relieve students of the responsibility for missed assignments and materials covered in class.

Grading: Grading will be based on:

1. In-class Assignments:

- 14 Quizzes, 25 multiple choice questions each, lowest score will be dropped.
- 4 Exams, 50 multiple choice questions.
- MAKEUP QUIZZES AND EXAMS WILL NOT BE ALLOWED. Students will not be allowed to take makeup quizzes for ANY REASON. One missed quiz can be dropped. Makeup exams can be taken only if a university-accepted excuse (i.e. documented illness or medical leave) IS PROVIDED IN WRITING during the class period following the absence.
- Grades WILL NOT be curved.

2. Online Assignments:

- 14 Study Guides to be completed online (Connect) and due at the start of class on quiz day.
- The quiz and study guide will count equally toward the 25 possible points per chapter.

3. Other Requirements:

- Students missing more than 4 classes will be dropped without notice.
- Students are responsible for all materials covered in class and in the reading assignments. Some book material that is not covered in class may still appear on examinations.
- Students are expected to do reading assignments before class.

- Students are responsible for seeking information on any assignments that may have been given out in their absence.
- Scantron 882-E forms

VI. Grading:

	Points per assignment:	Total Points:	Percentage of overall grade:
13 Quizzes/Study Guides	25 pts each	325 pts	62%
4 Exams	50 pts each	200 pts	38%
TOTAL		525 pts	100%

For this class grade:	You need this percentage:
A	90 - 100%
B	80 – 89%
C	70 - 79%
D	60 - 69%
F	< 60%

VII. Academic Dishonesty:

Academic Integrity:

Having academic integrity is paramount to your success in any class. Plagiarism or cheating is not tolerated. Any instance of this will result in a grade of 0 for that assignment.

UNM Academic Dishonesty Policy:

<https://policy.unm.edu/regents-policies/section-4/4-8.html>. The policy states: Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or who otherwise fails to meet the expected standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic Dishonesty is defined as:

"Academic dishonesty" includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

The following are some forms of cheating:

- Copying a fellow student’s work or copying a previous student’s work.
- Notes written on body parts, clothing, cheat sheets, etc... at the time of a test.
- Any form of communication with your neighbor during a test.
- Talking to anyone but the instructor or proctor during a quiz or examination.
- Viewing a cell phone or other electronic device during a test.
- Notes or books open during in-class exams and quizzes.

- Disclosing or soliciting examination questions to those who may have been absent from an exam.
- Plagiarism (copying entirely or whole phrases from books or websites).
- Any two students handing in assignments with word-for-word responses.

VIII. Other Information:

- **Cell phones and other electronic devices:** In accordance with the UNM Valencia Student Handbook, cell phones are not permitted in the classroom. They must be silenced and put away. Cell phones that ring or are used during class or testing will result in the student being excused from the class or test. Per the grading policy, makeup quizzes and exams are not allowed.
- **Need Help?** The STEM and Learning Center have tutors and resources available to you free of charge.
- **Do you have a documented disability?** If you have a documented disability, the Equal Access Services office will provide me with a letter outlining your accommodations. I will then discuss the accommodations with you to determine the best learning environment. If you feel that you need accommodations, but have not documented your disability, please contact Jeanne Lujan, the coordinator for Equal Access Services at 925-8910 or jmlujan@unm.edu.

IX. Course Schedule for BIOL 237 501, Spring 2019, UNM Valencia:

WEEK	DATE	TOPIC	CHAPTER	ASSIGNMENTS AND TESTS
1	M 1/14	Introduction - Syllabus		
	W 1/16	Major Themes of Anatomy and Physiology	1	
2	M 1/21	NO CLASS		
	W 1/23	Major Themes of Anatomy and Physiology	1	Study Guide - Quiz 1
3	M 1/28	The Chemistry of Life	2	
	W 1/30	The Chemistry of Life	2	Study Guide - Quiz 2
4	M 2/4	Histology	5	
	W 2/6	Histology	5	Study Guide - Quiz 3
5	M 2/11	EXAM 1 (Chapters 1, 2, and 5)		
	W 2/13	The Integumentary System	6	
6	M 2/18	The Integumentary System	6	Study Guide - Quiz 4
	W 2/20	Bone Tissue	7	
7	M 2/25	Bone Tissue	7	Study Guide - Quiz 5
	W 2/27	The Skeletal System	8	
8	M 3/4	The Skeletal System	8	Study Guide - Quiz 6
	W 3/6	EXAM 2 (Chapters 6-8)		
9	M 3/11	NO CLASS		
	W 3/13	NO CLASS		
10	M 3/18	Joints	9	
	W 3/20	Joints	9	Study Guide - Quiz 7
11	M 3/25	The Muscular System	10	
	W 3/27	The Muscular System	10	Study Guide - Quiz 8
12	M 4/1	Muscle Tissue	11	
	W 4/3	Muscle Tissue	11	Study Guide - Quiz 9
13	M 4/8	Nervous Tissue	12	
	W 4/10	Nervous Tissue	12	Study Guide - Quiz 10
14	M 4/15	EXAM 3 (Chapters 9-12)		
	W 4/17	The Spinal Cord, Spinal Nerves, and Somatic Reflexes	13	
15	M 4/22	The Spinal Cord, Spinal Nerves, and Somatic Reflexes	13	Study Guide - Quiz 11
	W 4/24	The Brain and Cranial Nerves	14	
16	M 4/29	The Brain and Cranial Nerves	14	Study Guide - Quiz 12
	W 5/1	The Autonomic Nervous System and Visceral Reflexes	15	Study Guide - Quiz 13
17	M 5/6	Sense Organs	16	Study Guide - Quiz 14
	W 5/8	EXAM 4 (Chapters 13-16)		

*Topics or assignments may change as needed. Announcements regarding such changes will be made during regular class hours. Students who are absent or tardy when such announcements are made will still be held responsible for the changes.