

Academy for Health and Medical Sciences
Raritan Valley Community College
BIOL-124: Human Anatomy & Physiology I
Course Syllabus
Quarters 1 & 2
Fall Semester 2023

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Course Schedule

- Laboratory: T (Periods 6, 7, & 8)
- Lecture: W, F (Periods 6 & 7)
- Office hours 7:30 am – 2:30 pm
- If you need to talk to me please call between 10:00 am -11:20 am. If this is not a convenient time for you, call before 7:40 am or after 2:15 pm and I will get back to you as soon as possible

Texts required:

1. Anatomy and Physiology, *Elaine N. Marieb, Katja Hoehn Sixth Edition*
2. Human Anatomy and Physiology Laboratory Manual: fetal Pig Version by *Marieb, Eighth Edition*

Tentative Lecture Schedule

Dates	Lecture Topics/Chapters	Quizzes/Exams
Friday, September 8	Policies, Books, Syllabus-Lecture+Lab Cells - The Living Units - Chapter 3	
Wednesday, September 13	Quiz (Cells-The living Units) The Human Body - An Orientation - Chapter 1	Chapter 3
Friday, September 15	The Human Body - An Orientation - Chapter 1	
Wednesday, September 20	Quiz (The Human Body - An Orientation) Chemistry Comes Alive - Chapter 2	Chapter 1
Friday, September 22	Chemistry Comes Alive - Chapter 2	
Wednesday, September 27	Quiz (Chemistry Comes Alive) Tissue-The Living Fabric - Chapter 4	Chapter 2
Friday, September 29	Tissue-The Living Fabric - Chapter 4	
Wednesday, October 4	Tissue-The Living Fabric - Chapter 4	
Friday, October 6	Exam I (The Human Body - An Orientation, Chemistry Comes Alive, Cells - The living Units)	Chapters 1, 2, & 3
Wednesday, October 11	Quiz (Tissue - The living Fabric) The Integumentary System - Chapter 5	Chapter 4
Friday, October 13	The Integumentary System - Chapter 5	
Wednesday, October 18	The Integumentary System - Chapter 5	
Friday, October 20	Quiz (The Integumentary System) The Skeleton - Chapter 7	Chapter 5
Wednesday, October 25	Bones and Skeletal tissue - Chapter 6	
Friday, October 27	Bones and Skeletal tissue - Chapter 6	
Wednesday, November 1	Bones and Skeletal tissue - Chapter 6	
Friday, November 3	Quiz (Bones and Skeletal Tissue, and The Skeleton) Joints - Chapter 8	Chapters 6 & 7
Wednesday, November 8	Joints - Chapter 8	
Wednesday, November 15	Exam II (Tissues, Integumentary System, Bones and Skeletal Tissue, Skeleton)	(Chapters 4, 5, 6 & 7)
Friday, November 17	Muscular System - Chapter 10	
Wednesday, November 22	Muscular System - Chapter 10	
Wednesday, November 29	Muscular System - Chapter 10	
Friday, December 1	Muscular System - Chapter 10	
Wednesday, December 6	Quiz (Joints)	Chapter 8
Friday, December 8	Muscles & Muscles Tissue - Chapter 9	
Wednesday, December 13	Quiz (Muscular System) Muscles & Muscles Tissue - Chapter 9	Chapter 10 (10 Points)
Friday, December 15	Muscles & Muscles Tissue - Chapter 9	

Wednesday, December 20	Quiz (Muscles & Muscles Tissue) Fundamentals of the Nervous System - Chapter 11	Chapter 9
Wednesday, January 3	Quiz (Muscular System) Fundamentals of the Nervous System - Chapter 11	Chapter 10
Friday, January 5	Exam III (Joints, Muscles & Muscles Tissue, Muscular System)	(Chapters 8, 9 & 10)
Wednesday, January 10	Fundamentals of the Nervous System - Chapter 11	
Friday, January 12	Central Nervous System - Chapter 12 Peripheral Nervous System - Chapter 13 Autonomic Nervous System - Chapter 14	
Wednesday, January 17	Central Nervous System - Chapter 12 Peripheral Nervous System - Chapter 13 Autonomic Nervous System - Chapter 14	
Friday, January 19	Quiz (Nervous System)	Chapter 11,12,13, & 14
Wednesday, January 24	Review for Fall Semester Final Exam - Chapters 1 - 14	10 Points
FRIDAY, JANUARY 26	FALL SEMESTER FINAL	CHAPTERS 1 - 14

STUDENTS ARE EXPECTED TO READ THE CHAPTER BEFORE COMING TO CLASS

PLEASE NOTE THAT THIS IS A TENTATIVE SCHEDULE AND THE INSTRUCTOR RESERVES THE RIGHT TO CHANGE THE SCHEDULE WITH APPROPRIATE NOTICE

COURSE INFORMATION

I. Course Description

The structure and function of the human organism are studied. Special emphasis is given to interrelationships of organs and organ systems. Cellular morphology and function are included.

The student is introduced to basic chemistry, the cell, basic tissues, integumentary, skeletal, muscular, and nervous systems.

Dissection is required as part of the laboratory syllabus. Laboratory exercises include identification of specimens, anatomical structures and histology slides. They also include physiological experiments as well as computer simulated experiments.

II. Course Learning Outcomes

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

- Demonstrate knowledge (introductory level) of topics covered in the course
- Demonstrate an understanding of the structure and function of the organ systems
- Identify anatomical structures and histology slides
- Interpret data obtained from physiological experiments as well as from computer simulated experiments

The main objectives are to provide students with basic foundation in Anatomy & Physiology and basic laboratory skills.

III. Grading

- Summer Assignment (50 points)**
- Lecture Exam I (50 points)*
- Lecture Exam II (50 points)
- Lecture Exam III (50 points)
- Final Lecture Exam (50 points exam. Points doubled = 100 points total)
- Quizzes (10 Quizzes - 20 points each = 200 points total) ***
- Summaries/Case Studies (20 points) ****
- Projects (50 points)
- Lecture Homework + Muscular System Short Quiz + Final Exam Review (50 points)
- Class Participation (20 Points/quarter = 40 Points)
- Lab Exam I (100 points)
- Lab Exam II (100 points)
- Lab Assignments (100 points) (20 assignments – 5 points each = 100 points)
- Lab Participation (20 Points/quarter = 40 Points)

*** All lecture exams are a combination of multiple-choice questions, matching, true or false, labeling diagrams, and essay questions. These exams will be designed to test your retention and understanding of the material.**

**** Summer Assignment**

- **Clinical Applications (8 points)**
- **Cells: The living units + Appropriate typing procedures for entire summer assignment (42 points)**

***** The quizzes will consist of multiple choice questions.**

****** Summary of selected articles – I will provide you with a copy of selected scientific articles related to A&P. You are all required to give a succinct summary. The purpose of this assignment is to introduce you to technical literature. It helps you think beyond the textbook.**

Submit a typed copy of your summary on the due date. Late assignments WILL NOT BE ACCEPTED.

VI. Make-up Exam Policy

All students are required to take all the exams. Make-up exams for all lecture exams and lab practicums (including the final exams) will be provided only for **extreme emergencies**. If an emergency prevents a student from taking an exam at its scheduled date, the student/parent has to notify the instructor within 24 hours of the exam date. Failure to comply with notification in 24 hours will result in receiving a zero. In case of extreme emergencies due to sickness, a doctor's note needs to be provided immediately upon the student's return to school.

Please note that all lecture make-up exams will consist entirely of essay questions.

If school is canceled on a scheduled exam day, the exam will be during the next scheduled class.

VII. Attendance policy

Attendance is vital for success in this course. **Attendance is mandatory.**

VIII. Policy of Academic Integrity

The policy of Academic Integrity requires students to refrain from academic dishonesty and plagiarism. Academic dishonesty such as cheating and plagiarism will result in zero for that assignment/quiz/test. Please refer to the Student Handbook for details.

The golden opportunity you are seeking is in yourself.

Good Luck