Roxbury Community College
A&P I SCI-201-HD COURSE SYLLABUS

Course Title: Anatomy and Physiology I
Sections: HD
Course Number: SCI 201
Credit Hours: 4
Semester: Fall 2019
Email Address: gthoidis@rcc.mass.edu
Instructor: Georgia Thoidis, MA, MPH
Office Hours: email me for an appointment
Class Time and Location:
Lecture: On-line
Lab: Saturday, 9:00am-11:45, Room 3-403

Course Description:

SCI 201 - ANATOMY & PHYSIOLOGY I
4 CREDITS Prerequisite: SCI 104
This course is designed to provide students with a basic understanding of the structure, function, and disorders of the human body.
Topics include an overview of the integumentary, skeletal, muscular, and nervous systems, as well as discussion of tissues and special senses.
A three-hour lab session is required each week.

Course objectives

At the end of this course students should be able to:

- Understand, describe and communicate using a scientific and anatomical terminology.
- Understand and describe the components of cell structure and its components.
- Identify tissues present in human organs.
- Identify and describe the gross and microscopic anatomical components of healthy human organ systems, such as the integumentary, skeletal, muscular, and nervous systems, including the general and special senses.
- Demonstrate a basic understanding of the physiology associated with the cell, and the integumentary, skeletal, muscular, and nervous systems, including the general and special senses.
- Name and demonstrate an understanding of surface anatomy.
- Utilize supplemental online tools to enhance learning.
- Focus a light microscope.
- Demonstrate ability to handle/dissecting various animal body parts.
- Demonstrate ability compare 3D organ models to animal organs.
- Work cooperatively and a diverse environment.

Online textbooks (required)

Textbook:
Anatomy and Physiology, The OpenStax College.
ISBN-10 1938168135
ISBN-13 978-1-938168-13-0

Laboratory Manuals:
1)Anatomy and Physiology I Lab Manual, DeLoris Hesse, Deanna Cozart, Brett Szymik, Rob Nichols, UNIVERSITY SYSTEM OF GEORGIA

2)Laboratory Workbook
LAB HOMEWORK ANATOMY & PHYSIOLOGY, By Laird C. Sheldahl, Ph.D.
This lab homework is meant to accompany Anatomy & Physiology, by Openstax College. Mt. Hood Community College is licensed under CC BY SA 4.0
ISBN 978-1-938168-13-0

3)Laboratory Atlas, Reference
Anatomy & Physiology Lab Reference" by Laird C. Sheldahl, Ph.D.,
This lab homework is meant to accompany Anatomy & Physiology, by Openstax College. Mt. Hood Community College is licensed under CC BY SA 4.0
ISBN 978-1-938168-13-0

Teaching Procedure:
This is a hybrid course; lecture/and discussion material is fully online. Students are encouraged to actively participate in the discussion and ask question at any time. A three-hour lab session is scheduled on-ground each week.

Academic Policies

1. Attendance Expectations:
Because of the importance of class participation in this course, an online presence is mandatory.
Students are expected to log on to the class site on weekly basis.
Course material is divided into weekly units. Each folder contains that week's assignments and work due for the week.
Students who are not logging on at least 3 times a week are unable to contribute to productive and positive course grade

2. Assignments and class participation: Unless otherwise specified, students are expected to have read the assigned chapter for each unit, along with the chapter power points provided, so that they can participate actively in the course. You are encouraged to ask questions, email at gthoidis@rcc.mass.edu.

3. Testing: One-hour exams will be given during the semester. There will be a cumulative final exam during the final exam period (this exam will cover the entire material).
There also will be weekly quizzes, which will be given at the beginning of each laboratory session.
In addition, laboratory report questions are collected and graded.
Students are expected to confirm test and final exam dates before making vacation plans. (If you are late, you will miss the quiz.
If you miss more than 2 lab quizzes, you will be asked to drop the course.
During exams or lab quizzes, you may not use your cell phone or answer any phone calls.
Make Up Policy:

There is no make-up of any work missed. Students are expected to complete assignments and tests/quizzes as scheduled by instructor. I do not accept doctors notes for reason of missing any work. Student is expected to communicate with instructor if work/test/quizzes/assignments is missed prior to due date.

5. Use of Technology: When in laboratory, please turn off all ringers for cell phones and other electronic devices. Texting is not allowed. You will be requested to leave the classroom if found texting during class. Any non-emergency use of cell phones is not permitted. Cell phones are not allowed to be on the desk in the lecture or on the lab benches. Laptops are not allowed in lecture unless you obtain prior permission from the instructor.

6. Special requirement: To protect your skin and personal clothing, a lab coat must be worn by all students in the laboratory at all time. They are available in the bookstore.

7. Counseling: Student experiencing academic difficulty are encouraged to make an appointment with the instructor outside class time to determine and correct the problem.

8. Grading: No extra credit is acceptable. Each student must receive a passing grade for laboratory in order to receive a passing grade for the course. The final grade is calculated using the following formula:

9. Calculation of Final Grade:

40% Lecture Chapter Tests
30% Essay Questions
10% Final Exam
20% Laboratory Quizzes

Numerical-letter equivalents:

95 -100 = A
90 - 94 = A-
87 - 89 = B+
84 - 86 = B
80 – 83 = B-
77 - 79 = C+
74 – 77 = C
70 - 73 = C-
67 - 69 = D+
64 – 66 = D-
60 - 64 = D
Below 60 = F

10. Incomplete (I) Grade: The letter grade "I" (Incomplete) may be given to a student at the instructor's discretion with an 'Incomplete Grade Contract' when a student has made satisfactory progress in a course and has completed most of the work, but for reasons beyond the student's control, has not completed a significant course requirement such as the final exam or paper. Students receiving an "I" must submit all work necessary to complete the course by the last day of

final exams in order to receive credit for that course. (Students enrolled in a Fall semester course must complete the work by the end of the following Spring semester; students enrolled in a Spring or Summer course must complete the work by the end of the following Fall semester.) Requests for extensions beyond the deadline must be submitted in writing by the student with faculty (or Dean in absence of faculty member) approval to the Registrar's office before the deadline date. Requests for extensions will not be considered after the deadline passes, at which time the "I" grade will convert to an "F" grade. Under no circumstances can an "I" grade be changed to a "W," "WA" or "NA" grade.

11. Policy on Dishonesty: The following are the possible causes for dismissal:
1. Attempting to present the work which is not his/her own.
2. Cheating on exams.
3. Plagiarizing or aiding and abetting another student in such attempt.

12. Withdrawal: Students who choose not to remain in class are responsible to fill up the proper withdrawal forms. The last day to withdraw from the class is Monday, April 8. Students who don't officially withdraw will receive a grade of "F" in the course.

13. Diversity and Accessibility Statement:
Diversity & Accessibility Statement:
Roxbury Community College (RCC) values diversity and is committed to providing all qualified college students equal access to all programs and facilities. RCC strives to create inclusive and welcoming academic environments. Your professor and Accessibility Services should be notified as soon as possible if there are aspects of the instruction or design of this course that present barriers to your success in this course.

Students with known or suspected physical, medical, sensory, psychological, and or learning disabilities are encouraged to contact Accessibility Services in order to assess learning needs and take advantage of available academic accommodations. Accessibility Services is located in Building 3, Room 201. Accessibility Services can be contacted directly at jcrary@rcc.mass.edu and 857-701-1410

Chapter & Lecture Topic by Week

Lecture Topic	Unit	Textbook Chapters
An Introduction to Anatomy & Physiology	Unit 1 Week of 9/9	Chapter 1
The Cell Structure and Function	Unit 2 Week of 9/16 Exam #1	Chapter 3
Tissues	Unit 3 Week of 9/23	Chapter 4
Integumentary System	Unit 4 Week of 9/30	Chapter 5
Osseous Tissue and the Skeletal System	Unit 5 Week of 10/7 Exam #2	Chapter 6
The Skeletal System: Axial and Appendicular Skeleton	Unit 6 Week of 10/14	Chapter 7 and 8
Joints	Unit 7 Week of 10/21 Exam #3	Chapter 9
Muscle Tissue	Unit 8 Week of 10/28	Chapter 10
The Muscular System	Unit 9 Week of 11/4 Exam #4	Chapter 11
The Nervous System and Nervous Tissue	Unit 10 Week of 11/11	Chapter 12
Anatomy of the Nervous System	Unit 11 Week of 11/18 Exam # 5	Chapter 13
Somatic Nervous System	Unit 12 Week of 12/2	Chapter 14
Autonomic Nervous System	Unit 13 Week of 12/9 Exam # 6	Chapter 15

Anatomy and Physiology I Lab Manual by DeLoris Hesse, Deanna Cozart, Brett Szymik, Rob Nichols, Open Lab Manual Univeristy System of Georgia.

Laboratory Manual Index

OER Anatomy and Physiology Laboratory Manual	
Lab Exercise #	Topic
Lab. # 1	Introduction to the human body
Lab # 2	Tissues
Lab # 3	The Integument Lab quiz #1
Lab # 4	Introduction to the skeletal system
Lab # 5	Axial Skeleton: skull
Lab # 6	Axial Skeleton: vertebral column Lab quiz #2
Lab # 7	Appendicular skeleton: Pectoral girdle
Lab # 8	Appendicular skeleton: Upper limb
Lab # 9	Appendicular skeleton: Pelvic girdle
Lab # 10	Appendicular skeleton: Lower limb Lab quiz #3
Lab # 11	Articulations/Joints
Lab # 12	Body Movements Lab quiz #4
Lab # 13	Axial Muscles: Head, Neck, Back
Lab # 14	Axial Muscles: Abdominal Wall and Thorax
Lab # 15	Appendicular Muscles: Pectoral Girdle and upper limb Lab quiz #5
Lab # 16	Appendicular Muscles: Pelvic Girdle and lower limb
Lab # 17	Spinal Cord, Spinal Nerves, Cranial Nerves and Reflexes
Lab # 18	The Brain Lab quiz #6
Lab # 19	The Cranial Nerves
Lab # 20	Special senses: Ear Lab quiz #7
Lab # 21	Special senses: Eye Lab quiz #8