

## HPR 230 Applied Anatomy

Credits: 3 Hours

Instructor: D. Moody [dmoody@stillman.edu](mailto:dmoody@stillman.edu)

Recommended Textbook - Free online OpenSource text (you can view online or download)

<https://openstax.org/details/books/anatomy-and-physiology?Book%20details>

### STEP - Stillman Teacher Education Program

The STEP produces effective, professional educators who practice inquiry, synthesis, implementation, reflection, and collaboration in order to meet institutional, professional, and state standards and to facilitate the intellectual, social, and personal development of diverse learners. The STEP faculty exhibits responsibility, ethical behavior, and commitment in all instructional and professional practice so that teacher candidates acquire and demonstrate these dispositions in their teaching and in their relationships with school colleagues, parents and families, and agencies in the larger community.

### STUDENT LEARNING OBJECTIVES

- Briefly describe the history of anatomical science, understand and utilize the current system of anatomical classification, and use medical/radiological terminology in describing the location of anatomical structures. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*
- Describe basic cell structure and function, including the fundamentals of cell chemistry and the interrelationship of sub-cellular organelle structure and function. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*
- Provide an overview of the roles and functions of the skeletal and articular systems, particularly as they relate to human movement. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*
- Describe muscle architecture and the anatomical and chemical basis of muscular contraction. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*
- Describe the basic structure and the functional interrelationships of the central and peripheral nervous systems and endocrine glands and explain their roles in human movement. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*
- Provide an overview of the anatomy of other key systems, such as the gastrointestinal system. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*
- Apply the knowledge and skills described above to the understanding of information from sources outside of this course, including other coursework, career-related readings, sports and exercise literature, and every day life. *PE Rule 290-3-3-.33 2(a)1.(vii), 2(a)1.(viii), INTASC 1.1*

### GRADING POLICY

Attendance is checked through submission of assignments.

Homework assignments are due on the date posted. Late submissions will only be accepted within 5 **days** of due date, grade deduction included. Excused absence work due dates will be assigned accordingly.

Quizzes are used to help you maintain your learning pace throughout the course and gauge your understanding. A final exam will be included in grade calculations.

### **Academic Dishonesty Policy of Stillman College**

1. Definition: The intentional misrepresentation of all or part of one's work to deceive for personal gain, or assisting another to do the same. Academic dishonesty includes, but is not limited to, cheating, plagiarism, fabrication, and/or submission of work, via written or electronic means, all or any part of which was developed in response to the assignment of an instructor.
2. Action(s): Automatic "F" on assignment, course or possible expulsion from the institution.

### **TENTATIVE OUTLINE**

	<b>Subject</b>	<b><u>Unit</u></b>	<b><u>Chapters</u></b>
<b>Quiz 1</b>	Introduction, anatomical terminology, organization of life	1	1, 2, 4
	Skeletal System: Tissue, Bones, & Articulations	2	6, 7, 8, 9
	Muscle System: Tissue and their functions	2	10, 11
<b>Quiz 2</b>	Respiratory System	5	22
	Cardiovascular System	4	18, 19, 20
<b>Quiz 3</b>	Integumentary System	2	5
	Digestive System	5	23, 24
	Urinary System	5	25, 26
<b>Quiz 4</b>	Nervous System: CNS, PNS, ANS	3	11,12,13, 14,15
	Endocrine System	3	17
	Lymphatic and Immune Systems	4	20,21
<b>Final</b>	<b>Making connections for all systems</b>		