

**WILMINGTON UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
BASIC COURSE INFORMATION**

COURSE NUMBER	BIO 253
COURSE TITLE	Human Anatomy and Physiology I (<i>with Lab</i>)
CREDITS	4
PREREQUISITE	SCI 232 or BIO 251

FACULTY MEMBER

TERM

METHOD OF CONTACT/ OFFICE HOURS

COURSE TIME BREAKDOWN

64 Hours of Structured Learning Activities

TEXTBOOKS

*A list of course textbooks are available on the Wilmington University Bookstore website:

<http://bookstore.wilmu.edu/>

COURSE DESCRIPTION

This course examines the human body and its major systems. The course covers the chemical and cellular basis of life, along with tissues, the skeletal, muscular, nervous and endocrine systems. In this hands-on course, students will conduct dissections and perform experiments in laboratory conditions.

COURSE OBJECTIVES:

This course will provide students with the knowledge and skills to:

1. Utilize scientific reasoning to solve problems. Apply the scientific method and critical thinking skills to draw logical conclusions based on the analysis of scientific data. Demonstrate the collection, analysis and reporting of data using the scientific method. Apply scientific principles and methods to real-world processes.
2. Develop an understanding the basic chemical and cellular constituents of life. Understand aspects of basic chemistry, bonding and macromolecules, and how each aid in organismal function. Describe cellular metabolism. Describe key cell organelles.
3. Examine organismal tissues. Compare and examine major tissues of the integumentary and skeletal systems. Analyze joints of the skeletal system. Examine food webs and factors effecting community structure. Examine the muscular system.
4. Examine the nervous system, its major parts and functions. Understand the basic structure and function of the nervous system. Evaluate the divisions of the nervous system. Describe the systems of the nervous system. Examine the endocrine system.

Lab Requirements

For face to face course only: Safety goggles and nitrile gloves will be provided by Wilmington University. Students are required to wear a lab coat for all lab work. All persons in the lab are required to wear closed toed, non-perforated shoes and personal protective equipment. Long hair needs to be tied back. Students

Syllabus is sole property of Wilmington University

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