

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

COURSE NUMBER	BIO 450
COURSE TITLE	Immunology and Virology (With Lab)
CREDITS	4
PREREQUISITE	BIO 251, Biology I (With Lab)

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:

In this course, students will examine the immune system and biological concepts governing it. The course will cover cells and organs of the immune system, as well as recognition, response, immunity, B and T-cell development, virology and infectious diseases. The course will also examine autoimmune disease as well as cancer and the immune system. In this hands-on course, students will use key tools and experimental methods to study the immune system.

COURSE OBJECTIVES:

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

1. Produce solutions to problems using scientific reasoning. 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. Describe the basic biological aspects of the immune system and its regulation. Recognize the

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Supplemental Materials:

Lab coat

Labs

For face to face courses 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 shoes.