

Please note: Each college and department may have their own requirements, in addition to those stated in the [Syllabus Guidelines](#).



## PCB 6234 Cancer Biology and the Immune System

Course Prerequisites: N/A

001, Credit Hours 2

College of Arts and Sciences, CMMB

### COURSE SYLLABUS

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Instructor Name: Paulo Rodriguez, PhD

Semester/Term & Year:	Fall 2018
Class Meeting Days:	Monday
Class Meeting Time:	9:00 am-11:00 am
Class Meeting Location:	MRC 3065
Lab Meeting Location:	N/A
Delivery Method:	

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#### I. Welcome!

#### II. University Course Description

This course is a broad introduction to the components of the immune system specifically focused on understanding the role of the immune system in eliminating cancer and how tumors modulate immune function.

Topics include:

- B Cells and T Cells
- Antigen Presentation
- Myeloid Cells
- Pattern Recognition Receptors
- Tolerance
- Tumor Microenvironment
- Immune Suppression

#### III. Course Purpose

This course provides a basic understanding of immune system fundamentals and the changes in immunity that develops in cancer patients.

#### IV. Course Objectives

To develop a broad understanding of the key features of the immune and how these processes are influenced by the presence of cancer cells. This course is aimed at graduate students in Cancer Biology, Immunology, or those in related disciplines who wish to obtain an advanced perspective on immunologic knowledge and current research.

#### V. Student Learning Outcomes

At the conclusion of the course students will demonstrate the ability to discuss the central features of an immunological response. Students will also be able to demonstrate an understanding of the principles of tumor immunity.