

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



PCB 6281 Cancer Immunotherapy

Course Prerequisites: N/A

001, Credit Hours 4

College of Arts and Sciences, CMMB

COURSE SYLLABUS

Instructor Name: Shari Pilon-Thomas, PhD

Semester/Term & Year:	Spring 2019
Class Meeting Days:	Monday-Wednesday
Class Meeting Time:	9:00 am-11:00 am
Class Meeting Location:	MRC 3065
Lab Meeting Location:	N/A
Delivery Method:	Lecture

I. Welcome!

II. University Course Description

This course is focused on understanding applied immunology and the use of immunotherapeutic approaches to eliminate cancer.

III. Course Purpose

This course provides an advanced introduction to cancer immunotherapy principles and current practice. Topics include: Tumor Immunogenicity, Transplant Immunity, Vaccine Strategies, Checkpoint Blockade, Gene-Based Therapies, Adoptive T cell Therapies, Hematologic Malignancies, Immune Modulation, Design of Clinical Trials, and Immune Monitoring.

IV. Course Objectives

Students should develop an in-depth understanding of the multiple immunotherapeutic approaches currently in use and currently in development. Knowledge of the development and function of current immunotherapy strategies should be acquired. This course is aimed at graduate students in Cancer Biology, Cancer Immunology and Immunotherapy, or those in related disciplines who wish to obtain an advanced perspective on immunotherapy.

V. Student Learning Outcomes

Students will demonstrate the ability to discuss in detail immunotherapeutic strategies for the treatment of cancer. Students will demonstrate the ability to discuss advantages and limitations of current approaches and demonstrate perspective on the developing trends.