

# MEDI 339: Advanced Cancer Biology

Cancer is an ancient disease with specific characteristics. Students taking this course will discuss the genetic basis of cancer, the initiation and progression of cancer, aberrant signal transduction in tumor cells and metastasis. This course will also have a journal-club component, which will enable students to read and discuss scientific journal articles related to the course.

## Learning Objectives

At the end of this course students will be able to :

- Identify cancer biology terms and apply terms and information in textbook to case studies.
- Differentiate various aspects that characterize a cancerous vs normal cell.
- Identify potential therapeutic strategies using knowledge of various effectors in cancer cells.
- Develop a detailed scientific presentation to include background information, experimental design, and findings.

**Credits:** 2

**Class Type:** Graduate Course

**Prerequisites:**

IMMU 101

The above course(s) or equivalent background knowledge.

**Program:** Biology, Genetics, and Medicine

**Availability** Spring 2022

**Session** Session A