

PMMS 601 : The Application of Precision Medicine to Cancer

This course explores genetic and other molecular mechanisms involved in cancer development and progression, including assessment of the genomes and transcriptomes of tumor cells as well as the patient's normal cells. Students examine how this knowledge translates into precision technologies for cancer screening, as well as diagnosing and treating cancer patients. Upon successful completion of this course, students will demonstrate an understanding of the genetic origins and development of cancer, the methods of assessing what is occurring in cancerous cells, and a basic understanding of how knowledge gained from analyses can be used to benefit patients.

Credits 3.0

Prerequisites

[PMMS 501: Introduction to Genetics and Genomics](#)

[PMMS 502: Genomics of Rare and Complex Diseases](#)