

Physiology of Cellular and Molecular Systems

Last Updated: Thu, 01/15/2026

Course prefix: BMED

Course number: 3600

Section: C

CRN

27650

Instructor first name: Marian

Instructor last name: Ackun-Farmmer

Semester: Spring

Academic year: 2026

Course description:

The goal of this course is to prepare you to understand cell and molecular biological technologies and apply them to real-world problems in a respectful and welcoming classroom environment. To do this, you will need to understand the basics of cell biology for both single cells and groups of cells. More specifically, we will discuss the building blocks of cells, gene expression and genetic engineering, the organization and function of organelles, cell signaling, the cytoskeleton, the cell cycle, and the extracellular matrix.

Academic honesty/integrity statement:

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.