

BIOL 275 : Cell and Molecular Biology

Integrated cell and molecular biology for life science majors. Modern advances in recombinant DNA technology.

Credits 3

Lecture Hours 3

Designation

DB

Prerequisites

“C” or better in BIOL171/171L and CHEM 272/272L or consent of instructor

Corequisites

BIOL275L or consent of instructor.

Course Outcomes

- Describe the principles of cytology including cell organization, structures and functions.
- Describe cell biochemistry including macromolecules of the cells, enzymes, membrane transport, cell signaling, and energy flow in cells during respiration and photosynthesis.
- Describe the principles of genetics including DNA replication, protein synthesis, mitosis, meiosis, genetic recombination and gene expression.