

Biotechnology courses offered at GCC, Fall 2009

Basic Instrumentation and Lab Math (BIO173) 1 Credit (Class number: 58658)

Introductory course covering basic equipment, measurements, and calculations used in biotechnology
Prerequisites: None.

Meets Fridays from 9:00-9:50 am, Dr. James Tuohy

Research Methods in Biology (BIO175) 1 Credit (Class number: 58659)

Fundamentals of planning and conducting biological experiments. Prerequisites: None.

Meets Fridays from 2:00-2:50 pm, Dr. James Tuohy

Nucleic Acid Methods (BIO208) 3 Credits (Class number: 58400)

Intensive introduction to laboratory methods for the isolation, purification, manipulation analysis and quantification of nucleic acids. Prerequisites: [BIO156, or BIO181, and (BIO173 and BIO175)], or permission of Instructor.

Meets MW from 5:45- 8:30 pm, Dr. Sagarika Dash

Biomolecular Separation (BIO209) 3 Credits (Class number: 10760)

Introduction to industrial laboratory biotechnology with intensive focus on the recovery of biomolecules from cultivated cells and the purification and characterization of these molecules.
Prerequisites: [BIO181, or BIO156, and (BIO173 and BIO175)], or permission of Instructor.

Meets MW from 11:30 am-2:20 pm, Dr. James Tuohy

Biotech Seminar: Biomedical Applications (BIO211AA) 1 Credit (Class #: 10662)

Special topics in biotechnology with an emphasis on current issues not covered in other life science courses. Prerequisites: None.

Meets Fridays from 11:00-11:50 am, Dr. James Tuohy

Advanced Lab Instrumentation (BIO210) 3 Credits (Class number: 58401)

Provides training in the principles, operation and interpretation of data from laboratory instrumentation. Prerequisites: BIO208, or BIO209, or permission of Instructor

Meets MW from 8:30-11:20 am, Staff

Biotechnology Internship (BIO215) 3 Credits (Class number: 10770)

Internship experience in a local biotechnology laboratory. Prerequisites: Permission of Program Director and (BIO208, or BIO209).