

CHEMICAL BIOLOGY AND MEDICINAL CHEMISTRY (CBMC)

CBMC 804A. Biochemical Foundations of Chemical Biology. 3 Credits.

This course is designed to emphasize the elements of biochemistry, bioorganic chemistry, and molecular biology required for the design and synthesis of biologically-active compounds.

Rules & Requirements

Requisites: Prerequisites, CHEM 466, BIOC 505 or 601, and PHCO 643; Permission of instructor for students lacking the prerequisites.

Grading Status: Letter grade.

CBMC 804B. Biochemical Foundations of Chemical Biology Journal Club. 1 Credits.

This is a seminar based course that will run in concert with 804A. Students will present journal articles and interact with seminar speakers.

Rules & Requirements

Requisites: Co-requisite, CBMC 804A; Permission of the instructor for students lacking the co-requisite.

Repeat Rules: May be repeated for credit. 2 total credits. 2 total completions.

Grading Status: Letter grade.

CBMC 805. Molecular Modeling. 3 Credits.

Introduction to computer-assisted molecular design, techniques, and theory with an emphasis on the practical use of molecular mechanics and quantum mechanics programs.

Rules & Requirements

Requisites: Prerequisites, MATH 231, 232, and CHEM 481.

Grading Status: Letter grade.

Same as: BIOC 805.

CBMC 807. Foundations of Chemical Biology I: Organic and Medicinal Chemistry. 3 Credits.

The elements of organic chemistry required for the design and synthesis of chemical probes and biologically active compounds.

Rules & Requirements

Requisites: Prerequisite, CHEM 262.

Grading Status: Letter grade.