Cell & Molecular Biochemistry Courses

Courses

CBCH 3316. Membrane Biology.
Membrane architecture, Singer-Nicholson model and the dynamic aspects of membrane assembly. Transport vesicles and lipid-based membrane signaling. Prerequisites: CHEM 2325 and BIOL 3414.
Department: Cell & Molecular Biochemistry
3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours
Prerequisite(s): (BIOL 3414 w/C or better) OR (BIOL 3115 w/C or better AND BIOL 3314 w/C or better) AND (CHEM 2325 w/C or better)

CBCH 4310. Techniques in Mol Biochem.
An overview of research methods and techniques (team-taught). Prerequisites: CHEM 4330, CBCH 3414 or instructor approval.
Department: Cell & Molecular Biochemistry
3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours
Prerequisite(s): (CHEM 4330 w/C or better) OR (CHEM 3330 w/C or better) AND (BIOL 3414 w/C or better) OR (BIOL 3115 w/C or better AND BIOL 3314 w/C or better)

CBCH 4320. Adv Topics in Mil Biochem.
A team-taught seminar class on recent topics in biochemistry and molecular biology. Prerequisites: CHEM 4330 and CBCH 3414 or instructor approval.
Department: Cell & Molecular Biochemistry
3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours
Prerequisite(s): (BIOL 3414 w/C or better) OR (BIOL 3115 w/C or better AND BIOL 3314 w/C or better) AND (CHEM 4330 w/C or better) OR (CHEM 3330 w/C or better)

CBCH 4414. Cellular Biochemistry.
Cellular aspects of biochemical pathways, protein sorting and transport, post-translational modifications of proteins, subcellular structures, cytoskeleton and cell lipid trafficking, synthesis of glycoproteins, receptors and cell signaling, apoptosis and cancer. Prerequisites: BIOL 3314/3115 AND CHEM 3330 AND CBCH 4310.
Department: Cell & Molecular Biochemistry
4 Credit Hours
4 Total Contact Hours
4 Lab Hours
0 Lecture Hours
0 Other Hours
Prerequisite(s): (BIOL 3414 w/C or better) OR (BIOL 3115 w/C or better AND BIOL 3314 w/C or better) AND (CHEM 3330 w/C or better) OR (CHEM 4330 w/C or better) AND (CBCH 4310 w/C or better)