

Bioengineering Electives

Proposed August 12, 2009, Updated: March 26, 2010

Fall Semester Options

- BIOE 428 (formerly BIOL 424) Freshwater Ecology, 3 cr, Fall (pre-requisite: BIOE 370, formerly BIOL 303 Ecology)
- BIOB 476 (formerly BIOL 466R) Gene Construction, 3 cr, Fall, (pre-req: BCH 380, formerly BCHM 340)
- LRES 453 Soil & Environmental Physics, 3 cr, Fall (odd years) (pre-req: LRES 201 recommended, M 170 Survey of Calculus)
- PSPP 423 Mycology, 3 cr, Fall (even years) (Pre-req: BIOB 170, formerly BIOL 101)
- PSPP 424 Ecology of Fungi, 3 cr, Fall (odd years) (Pre-req: BIOB 170 formerly BIOL 101, and BIOB 256 formerly BIOL 213)
- BIOM 450 (formerly MB 420) Microbial Physiology, 3 cr, Fall (pre-req: BCH 380 formerly BCHM 340, BIOM 360 formerly MB 301)
- BCH 441 (formerly BCHM 441) Biochemistry of Macromolecules, 3 cr, Fall, (pre-req: BCH 380 formerly BCHM 340 B or higher)

Spring Semester Options

- BIOB 425 (formerly BIOL 302) Advanced Cell & Molecular Biology, 3 cr, Spring (pre-req: BCH 380 formerly BCHM 340)
- BIOE 370 (formerly BIOL 303 Principles of Ecology, 3 cr, Spring, (pre-req: BIOB 170 formerly BIOL 101, M 170)
- BIOH 455 (formerly BIOL 467) Molecular Medicine, 3 cr, Spring (pre-req: BIOB 375 formerly BIOL 301 Genetics, BCH 380 formerly BCHM 340 Biochemistry)
- LRES 452 Soil & Environmental Microbiology, 3 cr, Spring (pre-req: CHMY 143 (CHEM 132), LRES 201 Soil resource, MB 301)
- LRES 460 Soil Remediation, 3 cr, Spring (pre-req: LRES 201 or permission of instructor)
- BIOM 415 (formerly LRES 415/MB 415) Microbial Diversity, Ecology & Evolution, 3 cr, Spring (Pre-req: BCH 380, BIOM 360, formerly BCHM 340, MB 301)
- PSPP 426 Plant Biotechnology, 3 cr, Spring (BCHM 340)
- HDFN 451R Sustainable Food Systems, 3 cr, Spring (even years) (pre-req: HDFN 221 Human Nutrition or consent of instructor)
- BIOM 410 (formerly MB 449) Microbial Genetics, 3 cr, Spring (pre-req: MB 301, BCHM 340)
- BREN 434 Ground Water Supply and Remediation, 3 cr, Spring, (pre-req: EM 335 Fluid Mechanics)
- BREN 441 Natural Treatment Systems, 3 cr, Spring, (pre-req: CE 340)