

Bioengineering Electives

Proposed August 12, 2009, Updated: August 13, 2009

Fall Semester Options

- BIOL 424 Freshwater Ecology, 3 cr, Fall (pre-requisite: BIOL 313 Ecology)
- BIOL 466R Gene Construction, 3 cr, Fall, (pre-req: BHCM 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: BIOL 101)
- PSPP 424 Ecology of Fungi, 3 cr, Fall (odd years) (Pre-req: BIOL 101, BIOL 213)
- MB 420 Microbial Physiology, 3 cr, Fall (pre-req: BHCM 340, MB 301)
- BHCM 441 Biochemistry of Macromolecules, 3 cr, Fall, (pre-req: BHCM 340 B or higher)

Spring Semester Options

- BIOL 302 Advanced Cell & Molecular Biology, 3 cr, Spring (pre-req: BHCM 340)
- BIOL 303 Principles of Ecology, 3 cr, Spring, (pre-req: BIOL 101, M 170)
- BIOL 467 Molecular Medicine, 3 cr, Spring (pre-req: BIOL 301 Genetics, BHCM 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)
- LRES 415 Microbial Diversity, Ecology & Evolution, 3 cr, Spring (Pre-req: BHCM 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)
- MB 415 Microbial Diversity, Ecology & Evolution, 3 cr, Spring (even years) (pre-req: MB 301, BHCM 340)
- MB 449 Microbial Genetics, 3 cr, Spring (pre-req: MB 301, BHCM 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)
- CHBE 439: Downstream Processing, 3 cr, Spring, (pre-req: CHBE 438)