

BIOL FALL COURSES with PRE-REQUISITES

| COURSE | PRE-REQUISITES; may sub equivalents |
|---|---|
| 111 Organismal Biology | None (not open to students who've taken CEGEP objective 00UK or BIOL 115) |
| 115 Essential Biology | None (not open to students who've taken BIOL 111 or 112 or CEGEP equivalents); for non-Science students |
| 200 Molecular Biology | BIOL 112 (CHEM 212 is a co-req, making <u>CHEM 120</u> an important pre-req)) |
| 206 Methods in Biol of Org. | BIOL 111 (or equivalent) |
| 210 Perspectives of Science | None (elective only for science students) |
| 215 Ecology & Evolution Intr. | BIOL 111; restriction: ENVR 202 |
| 300 Mol. Biol. of the Gene | BIOL 200, BIOL 201 or equivalent |
| 301 Cell & Molecular Lab | PHYS 102, BIOL 200, BIOL 201 and BIOL 202; BIOL 206 recommended; reg. by permit only |
| 304 Evolution | BIOL 205; and 215 (or ENVR 202) |
| 306 Neural Basis of Behaviour | BIOL 201 and PHYS 102 |
| 308 Ecological Dynamics | BIOL 215 (or both ENVR 200 + 202) |
| 309 Math. Models in Biology | Math 140 and 141; MATH 222 recommended |
| 314 Biology of Oncogenes | BIOL 200 and BIOL 201 |
| 316 Biomembranes and Organelles | BIOL 201 |
| 324 *Ecological Genetics | BIOL 202 |
| 331 Ecol/Beh Field Course | BIOL 206 and BIOL 215; and permission |
| 350 Insect Biology & Control | BIOL 205 or permission |
| 355 *Trees: Ecol & Evolution | BIOL 205 and BIOL 215 or permission; restriction BIOL 555D1/D2 |
| 370 Human Genetics Applied | BIOL 200, BIOL 201 and BIOL 202 |
| 373 Biometry | MATH 112 or equivalent—note stats overlap rules |
| 377 Independent. Reading Project | BIOL 200 and BIOL 201; or BIOL 215; or permission |
| 385 Plant Growth & Development | BIOL 205 |
| 395 QB Seminar 1 | BIOL 200, CHEM 212, COMP 250, MATH 222 and PHYS 230 |
| 396 Undergraduate Research Proj | One term of undergraduate studies, CGPA 3.00 or better, or permission |
| 413 Directed Reading | BIOL 200, BIOL 201, BIOL 202, BIOL 205 and BIOL 215, or permission |
| 418 *Freshwater Invert Ecol. | BIOL 205; and BIOL 215 (or both ENVR 200 + 202); or permission |
| 427 *Herpetology | BIOL 205 and BIOL 305; or permission |
| 432 Limnology | BIOL 206 and BIOL 215; or permission (Restriction: BIOL 632) |
| 435 *Natural Selection | BIOL 304 or permission |
| 436 * Evolution & Society | BIOL 304 or permission |
| 465 Conservation Biology | BIOL 215 (or both ENVR 200 + 202) |
| 466/467/468 Indep. Studies | BIOL 206 or BIOL 301 or other suitable 300-level laboratory course |
| 495 QB Seminar 2 | BIOL 395 |
| 507 *Animal Communication | Co-reqs: BIOL 307; and one of BIOL 306 or NEUR 310 or NSCI 200 or NSCI 201 or PHGY 311 |
| 510 Advances in Comm. Ecol. | BIOL 308 or GEOG 350 or permission |
| 514 Neur/Learning/Memory | BIOL 306 or NEUR 310 or NSCI 201 or PHGY 311 or permission; cross-listed W PSYC 514 |
| 524 Topics in Mol. Biology | BIOL 300 and BIOL 303 or permission |
| 544 *Gen. Basis of Life Span | BIOL 202, BIOL 300; or permission; BIOL 303 recommended |
| 546 * Genetics of Model Syst. | BIOL 202, 300 or permission; 303 recommended—alternates with 544 |
| 570 Advanced Seminar in Evolution | By permission |
| 580 Genetic Approaches to Neural Systems | BIOL 306 or permission |
| 588 *Adv in Mol/Cell Neurob | BIOL 300 and BIOL 306; or permission |
| 592 Integrated Bioinformatics | BIOL 301 or permission |
| 594 *Advanced Evol. Ecology | BIOL 304 and BIOL 308; or permission |
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*means offered in alternate years *; updated 2016