

**BIOL WINTER and SUMMER COURSES with PRE-REQUISITES**

| <b>COURSE</b>                                     | <b>PREREQUISITES</b>   |
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| <b>112</b> Cell & Mol. Biology                    | None. Not open to students with Cegep objective 00XU or BIOL 115                                     |
| <b>201</b> Cell Biol & Metabolism                 | BIOL 200. Not open to students with ANAT/BIOL 212—note equivalence                                   |
| <b>202</b> Basic Genetics                         | BIOL 200. Not open to students with CELL 204   |
| <b>205</b> Biology of Organisms                   | BIOL 200, PHYS 101; co-requisite BIOL 201  |
| <b>240</b> Montereian Flora                       | BIOL 111 or permission. Summer field course, elective for Major students                             |
| <b>301</b> Cell & Molecular Lab                   | PHYS 102; BIOL 200; BIOL 201; BIOL 202; BIOL 206 recommended; reg. by permit only                    |
| <b>303</b> Developmental Biology                  | BIOL 200 and BIOL 201; BIOL 300 strongly recommended   |
| <b>305</b> Animal Diversity                       | BIOL 215 (or both ENVR 200 + 202)  |
| <b>307</b> Behavioral Ecology                     | BIOL 205 and BIOL 215 or permission  |
| <b>310</b> Biodiversity & Ecosyst                 | BIOL 215 (or both ENVR 200+ENVR 202)   |
| <b>313</b> Eukaryotic Cell Biology                | BIOL 200; BIOL 201; BIOL 202; MATH 112 or equivalent   |
| <b>319</b> Intro to Biophysics                    | BIOL 201, MATH 222, PHYS 230 and 232, or permission; cross-listed with PHYS 319                      |
| <b>320</b> Evol of Brain and Behav                | NSCI 201 or BIOL 306   |
| <b>334D1/D2</b> Trop. Ecology                     | BIOL 206; and BIOL 215 (or both ENVR 200 + ENVR 202); and permission; winter/summer field course     |
| <b>335</b> Marine Mammals                         | BIOL 205. Summer field course  |
| <b>342</b> Contemporary Topics in Aquatic Ecology | BIOL 205; and BIOL 215 (or both ENVR 200 + 202)  |
| <b>352</b> *Vertebrate Evolution                  | BIOL 304 or permission   |
| <b>377</b> Indep. Reading Project                 | BIOL 200, and BIOL 201; or BIOL 215; or permission   |
| <b>389</b> Lab in Neurobiology                    | BIOL 306 or NEUR 310 or NSCI 200 or PHGY 311; or permission  |
| <b>413</b> Directed Reading                       | BIOL 200, and BIOL 201; or BIOL 215; or permission   |
| <b>416</b> Gen. of Mamm. Devel.                   | BIOL 202, BIOL 300. BIOL 303; or permission  |
| <b>428</b> Biol Diversity in Africa               | BIOL 305 or equivalent; or permission; BIOL/NRSC 451 and ANTHGEOG 451 co-requisites                  |
| <b>429</b> East African Ecology                   | BIOL 215 or equivalent; BIOL/NRSC 451 and ANTHGEOG 451 co-req  |
| <b>434</b> Theoretical Ecology                    | BIOL 308 or BIOL 309; or permission  |
| <b>441</b> *Biological Oceanogr.                  | BIOL 206; BIOL 215 (or both ENVR 200 + ENVR 202)   |
| <b>451</b> *Res in Ecol/Dev in Afr.               | Co-requisite: ANTH 451 or GEOG 451   |
| <b>463</b> * Mammalian Evolution                  | BIOL 305 or WILD 350; or permission  |
| <b>466, 467, 468</b> Indep. Studies               | BIOL 206 or BIOL 301; or other suitable 300-level laboratory course.                                 |
| <b>509</b> Methods in Mol. Ecology                | BIOL 301, 304 and 308 or permission  |
| <b>515</b> *Adv in Aquatic Ecology                | BIOL 432 or BIOL 441; or permission  |
| <b>518</b> Adv Topics in Cell Biol                | BIOL 313 or permission   |
| <b>520</b> Gene Activity in Devel.                | BIOL 300, BIOL 303; or permission  |
| <b>530</b> Adv. in Neuroethology                  | BIOL 306 or NSCI 200 or NSCI 201 or PHGY 311; or permission  |
| <b>532</b> Devel Neurobio Seminar                 | BIOL 303 or BIOL 306; or permission  |
| <b>540</b> *Ecol of Species Invasions             | BIOL 308 or permission; restriction ENVR 540   |
| <b>551</b> Principles of Cellular Control         | CHEM 115 or 120; MATH 133 +141; BIOL 200; BIOL 201; COMP 202, PHYS 230 and BIOL/PHYS 319 recommended |
| <b>553</b> Neotropical Environ.                   | HISP 218 or equivalent; Stats class; BIOL 215 (or both ENVR 200 +ENVR 202); and permission           |
| <b>568</b> Topics Human Genome                    | BIOL 202, BIOL 300, BIOL 370; or permission  |
| <b>569</b> *Developmental Evol.                   | BIOL 303 and BIOL 304; or permission   |
| <b>571</b> *Exper Evol/Ecology                    | BIOL 435 or equivalent   |
| <b>573</b> Vertebrate Paleontology                | BIOL 304, 352, or permission. Summer Field course  |
| <b>575</b> Human Bioch Genetics                   | BIOL 202 and BIOL 300; or permission   |
| <b>596</b> *Adv Experimental Design               | BIOL 373 or equivalent and permission of instructor (1 credit)                                       |
| <b>597</b> *Advanced Biostatistics                | BIOL 373 or equivalent and permission of instructor (2 credits); BIOL 596 recommended                |
| <b>598</b> Advanced Design and Statistics         | BIOL 373 or equivalent and permission of instructor (3 credits)                                      |

\*means offered in alternate years, or not every year