

**BIOL FALL COURSES with PRE-REQUISITES 2022-23, 2023-24**

<b>COURSE</b>	<b>PRE-REQUISITES; may sub equivalents</b>
<b>111</b> Organismal Biology	None (not open to students who've taken CEGEP objective 00UK or BIOL 115)
<b>115</b> Essential Biology	For <b>non-Science</b> students. None (not open to students who've taken BIOL 111 or 112 or CEGEP equivalents)
<b>200</b> Molecular Biology	BIOL 112; CHEM 120 recommended
<b>206</b> Methods in Biol of Org.	BIOL 111
<b>210</b> Perspectives of Science	None: for <b>non-Science</b> students (elective only for science students)
<b>215</b> Ecology & Evolution Intr.	BIOL 111; restriction: ENVR 202
<b>219</b> Intro Physical Biol of Cell	BIOL 112; freshman calculus, chem and phys; co-req MATH 222. Restrictions BIEN 219, BIOL 200, BIOL 201/ANAT/BIOC 212
<b>300</b> Mol. Biol. of the Gene	BIOL 219, or BIOL 200 and BIOL 201/equivalents
<b>301</b> Cell & Molecular Lab	BIOL 219, or BIOL 200 and BIOL 201/equivalents; reg. by permit only
<b>302</b> Fund of GeneticsGenomics	BIOL 200 or 219; BIOL 215. Restriction: BIOL 202.
<b>304</b> Evolution	BIOL 205; and BIOL 215 (or ENVR 202)
<b>306</b> Neural Basis of Behaviour	BIOL 216 or NSCI 200 or PHGY 209; and PHYS 102
<b>308</b> Ecological Dynamics	BIOL 215 (or both ENVR 200 + ENVR 202)
<b>309</b> Math. Models in Biology	BIOL 200 and 201 or equiv; or BIOL 219.
<b>316*</b> Biomembranes and Organelles	BIOL 201 or BIOL 219
<b>324 *</b> Ecological Genetics	BIOL 202/302
<b>331</b> Ecol/Beh Field Course	BIOL 206 and BIOL 215; and permission—moved to Summer 2023
<b>350*</b> Insect Biology & Control	BIOL 205 or permission. Maybe discontinued.
<b>370</b> Human Genetics Applied	BIOL 219, or BIOL 200 and BIOL 201/ANAT/BIOC 212; and BIOL 202
<b>377</b> Independent. Reading Project	BIOL 219, or BIOL 200 and BIOL 201/ANAT/BIOC 212; or BIOL 215; or permission
<b>395</b> QB Seminar 1	BIOL 219 or BIOL 200 and BIOL 201/ ANAT/BIOC 212; CHEM 212, COMP 250, MATH 222
<b>396</b> Undergraduate Research Proj	One term of undergraduate studies, CGPA 3.00 or better, or permission
<b>413</b> Directed Reading	BIOL 200, BIOL 201, BIOL 202, BIOL 205 and BIOL 215, or permission
<b>414</b> Invert Brain Circ & Behav	BIOL 306 and COMP 202 or equiv.
<b>427*</b> Herpetology	BIOL 205 and BIOL 305; or permission
<b>432</b> Limnology	BIOL 206 and BIOL 215; or permission (Restriction: BIOL 632; ENVB 315)
<b>436 *</b> Evolution & Society	BIOL 304 or permission
<b>465</b> Conservation Biology	BIOL 215 (or both ENVR 200 + 202)
<b>466/467/468</b> Indep. Studies	BIOL 206 or BIOL 301 or other suitable 300-level laboratory course
<b>506</b> Neurobiol of Learning	BIOL 306; or NEUR 310; or NSCI 200 and 201; or PHGY 311 or 314
<b>507*</b> Animal Communication	Co-reqs: BIOL 307; and one of BIOL 306 or NEUR 310 or NSCI 200 or NSCI 201 or PHGY 311
<b>510*</b> Advances in Comm. Ecol.	BIOL 308 or GEOG 350 or permission
<b>524</b> Topics in Mol. Biology	BIOL 300 and BIOL 303 or permission
<b>544 *</b> Gen. Basis of Life Span	BIOL 202, BIOL 300; or permission; BIOL 303 recommended
<b>546 *</b> Genetics of Model Syst.	BIOL 202, 300 or permission; 303 recommended—alternates with 544
<b>565</b> Cell and Tissue Mechanobiol	One 300-level Biology and instructor permission
<b>575</b> Human Biochemical Genetics	BIOL 202 or 302; BIOL 300
<b>580</b> Genetic Approaches to Neur Syst	BIOL 306 or NSCI 200 or NSCI 201 or PHGY 311; or permission
<b>588 *</b> Adv in Mol/Cell Neurob	BIOL 300 and BIOL 306; or permission
<b>592</b> Integrated Bioinformatics	BIOL 301 or permission
<b>594*</b> Advanced Evol. Ecology	BIOL 304 and BIOL 308; or permission

\* not given every year \*; updated 2022