

**BIOL WINTER and SUMMER COURSES with PRE-REQUISITES (may sub equivalents) 2022-2023 / 2023-24**

<b>COURSE</b>	<b>PREREQUISITES</b>
<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 BIOL 219, or ANAT/BIOL 212—note equivalence all courses
<b>202</b> Basic Genetics	BIOL 219 or BIOL 200. Restrictions: BIOL 302, CELL 204
<b>205</b> Biology of Organisms	BIOL 219 or BIOL 200; PHYS 101; co-requisite BIOL 201 (if have not taken BIOL 219)
<b>216</b> Biology of Behavior	BIOL 111 and BIOL 112
<b>240</b> Monteregian Flora	BIOL 111 or permission. Summer field course, elective for Major students
<b>301</b> Cell & Molecular Lab	BIOL 219 or BIOL 200 and BIOL 201; BIOL 202; BIOL 206 recommended; reg. by permit only
<b>303</b> Developmental Biology	BIOL 219 or BIOL 200 and BIOL 201; Co-req BIOL 202/302; BIOL 300 rec. Restriction: ANAT 381.
<b>305</b> Animal Diversity	BIOL 215 (or both ENVR 200 + 202)
<b>307</b> Behavioral Ecology	BIOL 215 and BIOL 216 or permission
<b>310</b> Biodiversity & Ecosyst	BIOL 215 (or both ENVR 200+ENVR 202) and BIOL 216.
<b>311</b> Lab for Organismal Biol	Biol 200 or BIOL 219; BIOL 206; COMP 204; BIOL 202 /302
<b>313</b> Eukaryotic Cell Biology	BIOL 219, or BIOL 200 and BIOL 201; BIOL 202/302.
<b>314</b> Molecular Biol of Cancer	BIOL 219, or BIOL 200 and BIOL 201;
<b>319</b> Intro to Biophysics	BIOL 219 or BIOL 200; 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>331**</b> Ecol/Beh Field course	BIOL 206 and BIOL 215, and permission. Summer field course.
<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> Contem Topics Aq Ecol	BIOL 205; and BIOL 215 (or both ENVR 200 + 202)
<b>352*</b> Vertebrate Evolution	BIOL 304 or permission
<b>363*</b> Mammalian Evolution	BIOL 305 or WILD 350; or permission
<b>377</b> Indep. Reading Project	BIOL 219 or 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 219 or BIOL 200 and BIOL 201; or BIOL 215; or permission
<b>416</b> Gen. of Mamm. Devel.	BIOL 202/302, BIOL 300. BIOL 303; or permission
<b>418*</b> Freshwater Invert Ecol	BIOL 205; and BIOL 215 (or both ENVR 200 + 202)
<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>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>466, 467, 468</b> Indep. Studies	BIOL 206 or BIOL 301; or other suitable 300-level laboratory course.
<b>507</b> Cognitive Ecology	BIOL 307 or instructor permission
<b>509*</b> Methods in Mol. Ecol.	BIOL 301, BIOL 304 and BIOL 308 or permission--Discontinued
<b>515*</b> Adv in Aquatic Ecology	BIOL 432 or BIOL 441; or permission
<b>517*</b> Cognitive Ecology	BIOL 307 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 219 or BIOL 200 and 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>573**</b> Vertebr Paleontology	BIOL 304, 352, or permission. Summer Field course
<b>597*</b> Adv Biostatistics	BIOL 373 or equivalent and permission of instructor (1 credit)—Discontinued
<b>598*</b> Advanced design &Stats	BIOL 373 or equivalent and permission of instructor

\* not offered every year. Updated Fall 2022.

\*\* Summer field course