

## WINTER 2019 BIOLOGY UNDERGRADUATE COURSE REGISTRATION INFORMATION

Course	Instructor(s)	Pre-req(s)	Registration Restrictions
<b>BIOL 101:</b> Intro to Biology	Connell, G.	N/A	Registration is open to all students. No Labs first week.
<b>BIOL 111:</b> Topics in Marine Science	Arellano, S.	N/A	Registration is restricted to 1 <sup>st</sup> Year Students currently enrolled in the Marine Science Scholars Program (MSS). All other students may submit an override request to the instructor when Phase II of registration begins (Nov. 30th).
<b>BIOL 112:</b> Topics in Marine Science II	Yang, S. Arellano, S.	N/A	Registration is restricted to 2nd Year Students currently enrolled in the Marine Science Scholars Program (MSS). All other students may submit an override request to the instructor when Phase II of registration begins (Nov. 30th).
<b>BIOL 204:</b> Intro to Evolution, Ecology & Biodiversity	Binney, E. Schwarz, C. Van Hees, D.	CHEM 161 (or concurrent)	Registration is open to all students who have successfully completed the pre-requisites. No labs first week.
<b>BIOL 205:</b> Intro to Cell & Molecular Biology	Brooks, L. Lee, S. Schulze, S.	BIOL 204; CHEM 161 & 162 (or concurrent)	Registration is open to all students who have successfully completed the pre-requisites. No labs first week.
<b>BIOL 206:</b> Intro to Organismal Biology	Lapsansky, J. Serrano-Moreno, J.	BIOL 205; CHEM 162 & 163 (or concurrent)	Registration is open to all students who have successfully completed the pre-requisites. No labs first week.
<b>BIOL 300:</b> Independent Study	Faculty	Phase II Biology Major	An Independent Study Form and Permit must be approved by both the instructor and the Biology Department Chair. Forms ONLY available from the Biology Department Office in BI 315
<b>BIOL 321:</b> Genetics	Pollard, D. Wang, A.	BIOL 206	Registration is restricted to Phase II biology, Phase II Biochem, Behavioral Neuroscience, and Secondary Ed. – General Science Majors. Overrides will <b>NOT</b> be given for Phase I biochem, Phase I biology, or behavioral neuroscience pre-majors.
<b>BIOL 323:</b> Cell & Molecular Biology	Galati, N. Pillitteri, L.	CHEM 351; 352 (or concurrent) or CHEM 251	Registration is restricted to Phase II Biology, Phase II Biochem, Behavioral Neuroscience, and Secondary Ed - General Science Majors. All other majors should submit an Override Request Form to the instructor.
<b>BIOL 324:</b> Methods in Molecular Biology Lab	Singh-Cundy, A.	BIOL 321 or 323	Initially, registration is restricted to Secondary Teaching, Molecular and Cell Biology, and Phase II Biochem majors. <u>On Thursday, Nov. 15th at 11:30am all other Phase II Biology majors may register.</u>
<b>BIOL 325:</b> Ecology	Olson, B.	BIOL 206	Registration is restricted to Phase II Biology majors and General Science and Chemistry/Biology - Secondary Ed majors. <u>On Friday, Nov. 16th at 4:00pm, Environmental Science majors and Behavioral Neuroscience majors may register.</u>
<b>BIOL 340:</b> Biometrics	Arellano, S. Miner, B.	BIOL 204, 205, & 206	Initially, registration is restricted to Phase II biology majors. <u>On Friday, Nov. 16th at 4:00pm, Environmental Science majors may register.</u> All other students must submit an Override Request form to the instructor.
<b>BIOL 345:</b> Microbiology	Brodhagen, M.	BIOL 205; CHEM 351 or CHEM 251	Initially, registration is restricted to Molecular and Cell Biology majors. <u>On Thursday, Nov. 15th at 11:30am all other Phase II Biology majors may register.</u> All other students must submit an Override Request Form to the instructor.
<b>BIOL 346:</b> Microbiology Lab	Brodhagen, M.	BIOL 345 (or concurrent)	Initially, registration is restricted to Molecular and Cell Biology Majors. <u>On Thursday, Nov. 15th at 11:30am all other Phase II Biology majors may register.</u> All other students must submit an Override Request Form to the instructor.

<b>BIOL 348:</b> Human Anatomy & Physiology	Yamamoto, K.	BIOL 101 or BIOL 205	Registration is restricted to Biology/Anthropology, Biocultural Anthropology, and HHD majors with a JUNIOR level standing or higher. Beginning on Friday, Nov. 16 <sup>th</sup> at 4:00pm, students with 90 credits or less in the above mentioned majors may register. All other students must send an Override Request Form to the instructor at <b>least 3 weeks prior to registration.</b>
<b>BIOL 349:</b> Human Physiology w/ Lab	Mosher, MJ	BIOL 348 or BIOL 206; CHEM 161 or CHEM 125	Registration is restricted to Biology/Anthropology, Biocultural Anthropology, and HHD majors with a JUNIOR level standing or higher. Beginning on Friday, Nov. 16 <sup>th</sup> at 4:00pm, students with 90 credits or less in the above mentioned majors may register. All other students must send an Override Request to the instructor at <b>least 3 weeks prior to registration.</b>
<b>BIOL 395:</b> Biology Research Participation	Faculty	Phase I or Phase II Biology Major	Must have faculty approval – override required. Submit a BIOL 395 web form directly to faculty. Web forms are available at <a href="https://cse.wvu.edu/biology/undergraduate-forms">https://cse.wvu.edu/biology/undergraduate-forms</a>
<b>BIOL 397B:</b> Sequence Analysis	Schwarz, D.	BIOL 321 or 323	Registration is open to all Phase II Biology Majors who meet the pre-requisites.
<b>BIOL 400:</b> Independent Study	Faculty	Phase II Biology Major	An Independent Study Form and Permit must be approved by both the instructor and the Biology Department Chair. Forms ONLY available from the Biology Department Office in BI 315
<b>BIOL 403:</b> Physiological Ecology of Animals w/ Lab	Donovan, D.	BIOL 325 or ESCI 325; BIOL 340 or ESCI 340; BIOL 326 or instructor permission	Initially, registration is restricted to Phase II marine biology, general biology, and EEO majors. <u>On Thursday, Nov. 15<sup>th</sup> at 11:30am all other Phase II Biology majors may register. On Friday, Nov. 16<sup>th</sup> at 4:00pm, Environmental Science majors may register.</u>
<b>BIOL 432:</b> Evolutionary Biology (WP3 Option)	DeChaine, E. Zinkgraf, M.	BIOL 321	Registration is restricted to Phase II Biology and Secondary Ed. – General Science Majors. All other majors may submit an override request form to the instructor. <b>Access to WP3 section requires an override from the instructor.</b>
<b>BIOL 444:</b> Seminar Series Participation	Singh-Cundy, A.	Phase II Biology Major	Registration is restricted to Phase II biology majors. All other students may submit an Override Request Form to the instructor. <b>This course is not repeatable for credit.</b>
<b>BIOL 470:</b> Functional Genomics	Young, J.	BIOL 321 and 323	Registration restricted to molecular and cell biology majors. All other students may submit an Override Request Form to the instructor.
<b>CHEM 471:</b> Biochemistry I CRN 12480 ONLY	Anthony-Cahill, S.	CHEM 163, CHEM 353 or concurrent, BIOL 205	Registration in <b>CRN 12210</b> is restricted to Molecular and Cell biology majors. <u>On Thursday, Nov. 15<sup>th</sup> at 11:30am all other Phase II Biology majors may register.</u> Non-majors with a pre-health interest must contact the CHEM department for consideration for CRN 10977.
<b>BIOL 482:</b> Developmental Biology of Animals	Leaf, D.	BIOL 321 and BIOL 323	Registration is restricted to Phase II Molecular and Cell Biology majors. <u>On Thursday, Nov. 15<sup>th</sup> at 11:30am, all other Phase II Biology Majors may register.</u>
<b>BIOL 487:</b> Advanced Molecular and Cell Lab	Dahlberg, C.	BIOL 324	Registration is restricted to Phase II Molecular and Cell Biology majors. <u>On Thursday, Nov. 15<sup>th</sup> at 11:30am, all other Phase II Biology Majors may register.</u>
<b>BIOL 494:</b> Biology Research	Faculty	Phase II Biology Major	Must have faculty approval – override required. Submit a BIOL 494 web form directly to faculty. Web forms are available at <a href="https://cse.wvu.edu/biology/undergraduate-forms">https://cse.wvu.edu/biology/undergraduate-forms</a>
<b>BIOL 495:</b> Research Communication	Faculty	Phase II Biology Major	Must have faculty approval – override required. Submit a BIOL 495 web form directly to faculty. Web forms are available at <a href="https://cse.wvu.edu/biology/undergraduate-forms">https://cse.wvu.edu/biology/undergraduate-forms</a>
<b>BIOL 496:</b> Professional Work Experience	Faculty	Phase II Biology Major	Must have departmental approval – override required. Submit a BIOL 496 web form directly to faculty supervisor. Web forms are available at <a href="https://cse.wvu.edu/biology/undergraduate-forms">https://cse.wvu.edu/biology/undergraduate-forms</a>
<b>BIOL 498:</b> Teaching Practicum	Faculty	Phase II Biology Major	Must have instructor approval – override required. Submit a BIOL 498 web form directly to instructor. Web forms are available at <a href="https://cse.wvu.edu/biology/undergraduate-forms">https://cse.wvu.edu/biology/undergraduate-forms</a>

**IMPORTANT: (1)** Attendance at the first class meeting for all upper-division courses is mandatory; failure to attend may result in having to forfeit your seat in the course if a waitlist exists. **(2)** All pre-requisite courses must be completed with a C- or higher. If you register for a course but have not satisfied the pre-requisites, you will be required to withdraw. **(3)** During the second phase of registration, major restrictions will NOT be lifted. Students must still request an instructor override for access to the course.

**A Note to Pre-Health Students:** If you are a Pre-Health student, but not a declared biology major, you will need to request an override from the instructor for access to biology courses. Although NOT guaranteed, special consideration will be made for those students who may need the following courses to prepare for professional schools: BIOL 321, 322, 323, 345, 346, 348, and 349.

**Biology Minors:** Students who are declared biology minors will have the same priority as Phase II general biology majors during the first phase of registration as long as those courses are not restricted to specific emphases within the biology major (i.e., marine biology). If restricted, minors must wait until the course opens to all Phase II biology majors (or to general biology majors) before they may register.