

Section	Academic Level	Instructional Format	Delivery Mode	Academic Period	Start Date	End Date	Description	Public Notes	Published Instructors	Meeting Patterns	Locations
BIOL 198-1 - Principles of Genetics	Undergraduate	Lecture	Online	Summer 2021 AS&E	5/24/21	7/2/21	The course covers the basics of Mendelian and molecular genetics with a focus on genetic approaches to scientific questions and the molecular biology of the Central Dogma. Recommended for most Biology majors. The optional companion lab for this course is BIO 198P. A student cannot receive credit of both BIO 190 and BIO 198	Lecture material will be presented asynchronously as pre-recorded videos. Students will complete online homework activities. Student assessment will consist of 5 assessments administered online and one written assignment (3-5 pages). There will be 3 weekly discussion hours with the instructor to provide guidance/instruction on the lecture material and homework assignments. Attendance is required during at least one of those discussion hours. Discussion hours are held during the scheduled course time. Prerequisites: BIO 110 or BIO 112 and completion of CHM 131 and 132.	Alexis Stein	Tues/Wed/Thurs 10:00 AM - 12:15 PM 05/24/2021 - 07/02/2021	Online Room 10 (ASE)
BIOL 204-1 - Mammalian Physiology	Undergraduate	Lecture	Online	Summer 2021 AS&E	5/24/21	7/2/21	Normal function with an emphasis on humans. Topics include homeostatic regulation, various systems (endocrine, nervous, muscular, cardiovascular, respiratory, renal, digestive, and metabolic), and integration of function of those systems. Prerequisites: BIO 110 or BIO 112 and BIO 111 or BIO 113 or permission of the instructor		Jonathan Holz	Mon/Tues/Wed/Thurs 1:00 PM - 3:05 PM 05/24/2021 - 07/02/2021	Online Room 12 (ASE)
BIOL 110L-1 - Principles of Biology I	Undergraduate	Lecture	Online	Summer 2021 AS&E	5/24/21	7/2/21	Course is online and can be completed asynchronously. The lectures are recorded. There are weekly times for questions and discussions about the lecture material. The labs can be completely asynchronously. The first semester in a course sequence for all biology majors. The course will provide an introduction to biochemistry, cell biology, molecular biology, and animal physiology. Emphasis will be placed on quantitative learning and data analysis. Prerequisites: Completion or concurrent enrollment in CHM 131 or equivalent		Ryan Bickel	Mon/Tues/Wed/Thurs 10:00 AM - 12:05 PM 05/24/2021 - 07/02/2021	Online Room 11 (ASE)
BIOL 198P-1 - Principles of Genetics Lab	Undergraduate	Lecture	In-Person	Summer 2021 AS&E	5/24/21	7/2/21	Introduction to basic genetic theory and laboratory practices. Classical inheritance in eukaryotes, bacterial genetics and molecular technology techniques. Emphasis is on data analysis and experimental design. Prerequisites: Concurrent with BIO 190/198 or after completion of BIO 190/198		Michael Clark	Tues/Thurs 2:00 PM - 5:00 PM 05/24/2021 - 07/02/2021	Hutchison Hall Room 217
BIOL 204P-1 - Mammalian Physiology - Lab	Undergraduate	Lecture	Online	Summer 2021 AS&E	5/24/21	7/2/21	Course is online only and will have both synchronous and asynchronous components. This course, in conjunction with content knowledge, uses application of the scientific method to explore normal physiological responses within the human organism. Topics include the underlying principles behind various assays (EMG, ECG, spirometry, grip force transduction, sphygmomanometry, and etc.), functions of various systems (endocrine, nervous, muscular, cardiovascular, respiratory, and etc), and hypothesis formation and testing.		Jonathan Holz	Friday 1:00 PM - 2:00 PM 05/24/2021 - 07/02/2021 Mon/Wed 9:00 AM - 11:55 AM 05/24/2021 - 07/02/2021	Online Room 12 (ASE)

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BIOL 218P-1 - Biostatistics Lab	Undergraduate	Lecture	Online	Summer 2021 AS&E	5/24/21	7/2/21	This course will be taught ONLINE with 11 modules that are approximately 75 minutes each. There will be a problem-set that students will need to complete for each module. The content of this course will focus on graphing, basic statistical analysis (goodness of fit tests, student's t tests, ANOVA, correlation, regression and general linear models) and an introduction to programming in R (built in functions, libraries and general strategies in problem solving). This course will appeal to students who have previously completed an applied statistics course and who want to gain more experience with R. In particular, students who are interested in pursuing a Computational Biology major or whose future plans include graduate school are encouraged to take this course. Prerequisites: Completion of any university level applied statistics course (ex. STAT 212, ECON 230 or departmental equivalent) is required.	This course is ASYNCHRONOUS online. There are no scheduled meetings.	Danni Presgraves		
BIOL 250L-1 - Intro to Biochemistry w/Lab	Undergraduate	Lecture	In-Person	Summer 2021 AS&E	7/6/21	8/13/21	Fundamental aspects of biochemistry, including biomolecular structure and catalysis, bioenergetics, protein folding, kinetic analysis of enzyme action and general intermediary metabolism. In addition to lecture, the course will include a weekly workshop lab that integrates discussion with experimental procedures. Prerequisites: BIO 110 or BIO 112 and CHM 203 Biological Science Majors, Prior or Concurrent enrollment in BIO 190/198 and CHM 204 are strongly recommended.		Michael Clark	Mon/Tues/Wed/Thurs 1:00 PM - 3:05 PM 07/06/2021 - 08/13/2021	