

Division of Biological Sciences

194/28X Course Coordination

The Division of Biological Sciences offers a number of seminar courses (numbered 194 for undergraduate; 28X for MS students) designed to provide students with an opportunity to extend what they have learned in upper-division courses by analyzing existing knowledge and contemporary thinking in a particular biological sciences field.

194 courses will be classified under the various Biology subject codes - BIBC, BICD, BIEB, BIMM, BIPN and BISP. The classification of the 194 course will determine the prerequisites for that particular offering.

28X courses correspond to the related undergraduate course.

Course Title

- BIBC 194/BGGN 280- Advanced Topics in Modern Biology: Biochemistry
- BICD 194/BGGN 281- Advanced Topics in Modern Biology: Cellular Development
- BIEB 194/BGGN 282-Advanced Topics in Modern Biology: Ecology, Behavior, Evolution
- BIMM 194/BGGN 283-Advanced Topics in Modern Biology: Molecular Biology
- BIPN 194/BGGN 284-Advanced Topics in Modern Biology: Physiology and Neuroscience
- BISP 194/BGGN 285- Advanced Topics in Modern Biology

General Course Description for all courses

Course will vary in title and content. Students are expected to actively participate in reading, analyzing and demonstrate an understanding of primary literature. Current descriptions and subtitles may be found on the Schedule of Classes and the Biological Sciences website.

*Faculty will be asked to provide a description/subtitle for the topic they will teach.

Scheduling

This is a 2-unit course that meets for 1.5 hours per week for ten weeks.

All 194/28X courses will be scheduled in York 3010 (divisional space)

Textbook/Readings

- As determined by instructor
- No common text; dependent upon topic

Prerequisites

Instructors select one of the following based upon the required prerequisites:

- BISP 194-upper division standing and Genetics (BICD 100)
- BIBC 194-Structural Biochemistry (BIBC 100) OR Metabolic Biochemistry (BIBC 102)
- BICD 194-Cell Biology (BICD 110)
- BIEB 194-Introduction to Ecology (BIEB 102)
- BIMM 194-Molecular Biology (BIMM 100)
- BIPN 194-Mammalian Physiology I (BIPN 100) OR Cellular Neurobiology (BIPN 140)

Content/Syllabi

- All 194/28X courses are based on topics as selected by the faculty.
- The emphasis of 194/28X is that students actively participate in reading, analyzing and demonstrate an understanding of primary literature.
- Students enrolling in 194/28X will gain an experience that is likely not to be available in other courses.
- Example 194 syllabi may be found <http://courses.ucsd.edu/syllabiList.aspx?name=BISP>

Grading

Grading shall be determined by instructor but may include the following:

- Exams/quizzes
- Summary of literature
- Participation in discussion
- Presentation/peer feedback/evaluation
- Preparedness
- Attendance
- Final project

Enrollment

Projected Enrollment: 194 courses will have initial enrollment limits of 27 students; 28X will have initial enrollment limits of 5. Instructors may request higher enrollment as long as room capacity has not been exceeded.

Minimum Enrollment

Should the enrollment be lower than eight students during week three of the quarter, the class could still be taught. The following offering of the course would need to potentially be modified, quarter changed, etc. to bring the enrollment up to a reasonable number. If that were not accomplished the second offering, teaching credit (divisional) would not be granted and the same course could not be offered in future quarters.

General Course Information

- 194/28X courses are comprised of lecture/seminar only; discussion sections are not included.
- IA (TA/Tutor) support is not provided to any 194/28X course

Grading Information

- Students may enroll in a 194 course for either a letter grade or for a P/NP option. All 28X grading is S/U. For grading information and breakdown, please see [UCSD grading system](#).
- UCSD utilizes an electronic (web based) grading system called eGrades. For information about eGrades, specifically how to submit grades at the end of the quarter, please see [Electronic Grades \(eGrades\)](#).

- eGrades uses UCSD Single Sign-On for authentication meaning you will need to be able to sign on to the system to assign grades. *Please see appendix for instructions for resetting the password if it is not known.*

Timeline

If faculty proposes to teach a 194/28X course, all information must be submitted during the following timeline. Biology Student & Instructional Services will send out scheduling requests during each period, collect all requests and forward them to the Registrar's for placement.

Request for **Fall** teaching times sent out **January**

Request for **Winter** teaching times sent out **June**

Request for **Spring** teaching times sent out **August**

Confirmation of schedule will be emailed once all courses have been placed and are complete.