

# CELL BIOLOGY (CELL BIOL)

## Course List

### CELL BIOL 245

#### Cell & Developmental Biology (4 Units)

Offered In: Fall

*Instructor(s):* Maxence Nachury, Abby Buchwalter

**Prerequisite(s):** Calculus, physical chemistry, organic chemistry, and an advanced course in biology are highly desirable.

**Restrictions:** Instructor approval required for non-Tetrad students.

**Activities:** Lecture

Training in the modern aspects of the molecular basis of cell function with emphasis on how cells move, secrete, divide, and communicate with each other.

**School:** Graduate Division

**Department:** Biochemistry And Molecular Biology Program

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** Yes

**Course Grading Convention:** Letter Grade, P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** Yes

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

### CELL BIOL 250

#### Research (1-8 Units)

Offered In: Fall, Winter, Spring, Summer

*Instructor(s):* Staff

**Prerequisite(s):** Completion of two quarters of BIOCHEM 215 in the year prior

**Restrictions:** Students must be in year 2 or above

**Activities:** Independent Study, Lab science

The course is intended to give students hands-on experience in investigation of a fundamental question in biology using modern techniques and approaches in Cell Bio. The scope of the research project, formulation of the hypothesis, and the necessary experimental approaches taken to test the hypothesis will be determined based on active input from the student and the lab's Principle Investigator. The student is expected to become increasingly independent in each of these aspects of the project.

**School:** Graduate Division

**Department:** Cell Biology Program

**May the student choose the instructor for this course?** Yes

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** Yes

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** Yes