

Biological Sciences Undergraduate Teaching Assistant Fellows Program Fall 2022

The Biological Sciences Program will employ Undergraduate Teaching Assistants (UTAs) Fall 2022 in a program designed to develop teaching and communication skills, organization ability, knowledge, and leadership. Each UTA will be supervised by the lab or discussion coordinator for the course they are assigned to and will be required to perform the duties typically expected of a teaching assistant.

General UTA duties will include:

- Attend weekly prep meetings as scheduled by the lab or discussion supervisor (see below for times)
- Attend lectures
- Teach one lab or discussion section per week (lab/discussion UTAs)
- Adequately prepare for teaching
- Grade papers & assignments as assigned by the lab or discussion supervisor, or the faculty instructor
- Hold office hours
- Help to proctor lecture exams as needed
- Be available one week prior to the beginning of classes for scheduled TA meetings
- UTA's who have not previously done so will register for and attend a 1-credit weekly seminar course on teaching skills and issues, BSCI279P, which meets on Tuesdays 3:30-4:20 pm (**Grader and prep UTAs are exempt from this requirement**)

New UTAs teaching labs must attend a lab safety training session prior to or during the first week of classes. This work will require an average of 10 hours per week, depending on the course requirements. The stipend is \$1,875 for the semester, paid in an hourly wage.

UTA applications are due April 15th, 2022.

Some UTA positions will be awarded before May 15th 2022. However, most positions will be awarded between May 15th and June 30th. Hiring will continue throughout the summer until all positions are filled.

Minimum application requirements:

- Second year student
- Overall GPA of 3.0 or higher
- Have taken the course they wish to TA at UMCP and earned a grade of B or higher.
 - Students with AP credit for a course will have completed the next higher-level course with a grade of B or higher
 - For the non-majors courses a UTA will have earned a grade of B or higher in either BSCI160 or BSCI170, taken at UMCP
- Sufficient time free for the UTA position
 - At least one 3-hour block of time available to teach a 2 or 3 hour lab or discussion (lab/discussion UTAs)
 - Time free to attend lectures for course
 - Time free to attend prep meeting. Prep meeting times are provided below
 - Time to attend the 1-hour per week teaching skills seminar course (new UTAs only). The teaching seminar course will be held on Tuesdays 3:30-4:20 pm

The courses available for UTAs and the typical prep meeting times for each course are listed below. UTA positions will be filled based on staffing needs and applicant backgrounds and preferences.

BSCI135 Amazing Green: Plants that Transformed the World I-Series. An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use. Non-majors, general education.

Prep meeting: Friday afternoon

BSCI150 Beyond Race: Human Biological Diversity. Provides the scientific evidence for rejecting race as a biological concept. The course covers basic biology, human evolution, human phylogenetics, and a critique of race as an explanation of human traits. Non- majors, general education.

Prep meeting: TBA

BSCI160 Principles of Ecology and Evolution. Basic principles of biology with special emphasis on ecological and evolutionary biology.

Prep meeting: TBA

BSCI161 Principles of Ecology and Evolution Lab. Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.

Prep meeting: likely Friday 2 - 4pm

BSCI170 Principles of Molecular and Cellular Biology. Basic principles of biology with special emphasis on cellular and molecular biology.

Prep meetings: TBA

BSCI171 Principles of Molecular and Cellular Biology Lab. Basic laboratory principles of biology with special emphasis on cellular and molecular biology.

Prep meetings: Friday 2 - 5pm

BSCI201 Human Anatomy and Physiology I. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems.

Prep meetings: Friday 9 - 11am

BSCI202 Human Anatomy and Physiology II. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems.

Prep meetings: Friday 11am - 1pm

BSCI207 Principles of Biology III – Organismal Biology. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

Prep meeting time TBA

BSCI222 Principles of Genetics. Principles and mechanisms of heredity and gene expression.

Prep meetings: Friday 12 - 1pm

BSCI330 Cell Biology and Physiology. Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

Prep meetings: Friday 1 - 3pm

BSCI410 Molecular Genetics. An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms.

Prep meetings: TBA

BSCI437 General Virology. Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups.

Prep meetings: TBA

BSCI450 (former BSCI440) Mammalian Physiology. A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals.

Prep meetings: TBA

BSCI451 (former BSCI441) Mammalian Physiology Laboratory. Laboratory exercises in experimental mammalian physiology

Prep meetings: Thursday 11am - 1pm

BSCI447 General Endocrinology. Functions and dysfunctions of the endocrine system with special reference to mammals.

Prep meetings: TBA

Interested students fill out the application found here: <https://www.surveymonkey.com/r/uta-fall22>