

## **Goucher College Spring 2022 CTFP Opportunities**

**Program coordinator:** Dr. Judy Levine, Professor of Biological Sciences and Chemistry  
[judith.levine@goucher.edu](mailto:judith.levine@goucher.edu); 410-337-6525

***Goucher College offers unpaid CTFP opportunities across a variety of courses in the sciences and beyond. Graduate student and postdoctoral applicants are welcomed. In their CTFP application, candidates should mention specific courses of interest to them. Commitment is for one semester.***

***The courses listed below are ones whose instructors have expressed interest in working with a teaching fellow. It is possible that additional instructors would be open to the idea if they knew a candidate was interested in their course. For a full listing of courses, see <http://catalog.goucher.edu/>.***

***The class meeting times shown below are for informational purposes only. The type of participation and time commitment by the teaching fellow are negotiable between the fellow and the instructor.***

### **SP21 semester (1/31/22 – 5/12/22):**

#### **CENTER FOR NATURAL SCIENCES:**

**BIO 102 (Explorations in Biology II: Life in Context)** (MWF 12:00-12:55; instructors: [Jay Garaycochea](#); [Akana Noto](#); Gizelle Simpson)

Life in Context explores the diversity of living organisms, the evolutionary relatedness of all organisms, and interconnected associations between organisms. Particular emphasis is placed on the importance of biological diversity to ecosystem health and on issues of human relevance. The fundamental concepts and principles of biology are emphasized throughout the course.

**BIO 378 (Developmental Biology)** (MWF 8:15-9:10 am; instructor: [Jenny Lenkowski](#))

The environment in which an organism develops can greatly impact the developmental outcome of the organism, health of the fully developed or aged organism, and evolution of organisms. This course explores the plasticity of developmental mechanisms and processes, how the environment can disrupt development, and developmental bases for evolutionary change in the context of classic developmental biology knowledge.

**CHE 151 (Principles of Chemistry II)** (MWF 8:40-10:30 or 2:40-4:30; Instructors: [George Greco](#), Jaired Tate, Lisa Gulian)

Second semester of introduction to chemistry sequence including kinetics, thermodynamics, equilibrium, acid-base chemistry, redox reactions and electrochemistry. Taught in studio format with integrated lecture and lab.

**CHE 235 (Organic Chemistry II)** (MWF 9:20-10:15; instructor: [Ruquia Ahmed-Schofield](#))

(Continuation of CHE 230.) Chemistry of the compounds of carbon with emphasis on the relation of molecular structure to chemical and physical behavior. Laboratory work includes appropriate techniques and synthetic and analytical methods.

**CHE 341 (Biochemistry)** (MWF 12:00-1:10; instructor: [Judy Levine](#))

Structure and function of biological molecules, chemistry of enzyme-catalyzed reactions, intermediary metabolism. Three hours lecture. Prerequisites: CHE 235 (organic chemistry II) and one college-level general biology course, or permission of the instructor. [This course is typically taken during the junior or senior year; it is required for the BCMB major and may be taken as an upper level elective for the biology or chemistry major.]

**CHE 442 (Biochemistry lab)** (Tu 12:30-4:20; instructor: [Judy Levine](#))

Introduction to the basic techniques for studying the structure and function of biological molecules. Four hours laboratory. Pre- or corequisite: CHE 341. [This course is required for the BCMB major and focuses on enzyme purification and characterization.]

#### **CENTER FOR PSYCHOLOGY:**

**PSY 105 (Introduction to Psychology)** (MWF 12:00-1:10; instructor: [Katherine Cho](#))

This course provides an overview of the contemporary discipline of psychology, integrated with experiential learning activities designed to develop scientific thinking and research skills. Topics include fundamental issues in psychology, brain and behavior, perception, learning and cognition, personality theories, psychological disorders, and humanistic, developmental, and social psychologies. Students will learn the philosophical and methodological foundations of psychology as a scientific study of mind, brain, behavior, and human experience.

## **CENTER FOR THE STUDY OF MODERN LANGUAGES, LITERATURES & CULTURES:**

**FR 444 (Transnational Environmental Studies in French)** (MWF 10:40-11:50am; instructor: [Kathryn St. Ours](#))

This course is devoted to environmental issues important in France and Francophone countries but which clearly concern the whole world. We will explore current ecological issues such as global warming, the opening of the Northwest Passage, genetically modified organisms, nuclear energy, the relationship between human and non-human animals, alter-globalization, green party politics, etc., from a pluri-disciplinary perspective. These viewpoints may include politics, science, history, philosophy, demography, economics and geography, for example, expressed in media such as the press, the cinema, music, and literature.

## **CENTER FOR EDUCATION, BUSINESS & PROFESSIONAL STUDIES:**

**BUS 229 (Marketing Management)** (TuTh 9:30-11:20am; instructor: [David Grossman](#))

A review of the basic concepts and practice in modern marketing. Course demonstrates marketing principles through and projects related to current events in the manufacturing and service sectors; in profit and nonprofit organizations; and domestic, international, and multinational companies. Students are responsible for conducting market research and presenting analysis of real-world marketing problems and situations.

**BUS 231 (International Business Environment)** (7-wk course 1/31-3/18; MWF 9:30-10:20am; instructor: [David Grossman](#))

An introduction to the economic, political, and legal environment faced by firms engaged in international business and its implications for national economies. Topic areas include international trade, investment, the global monetary system, the competitiveness of U.S. firms in world markets, national industrial policy, and the ethical dilemmas of conducting international business.

**BUS 480 (Strategic Management)** (TuTh 11:30-1:20; instructor: [David Grossman](#))

A straightforward and understandable framework is provided through which students can grasp the complexity of strategic management. The framework is then applied to individual and group cases.