**Topic: Exploring Medical Careers**

Considering a career in the medical field? This seminar course is designed for students interested in pursuing a career as a medical professional. Guest lectures by specialists in a wide variety of medical fields will give students insight into “What it means to be a health care professional” as well as how each of these specialties are integrated in the delivery of patient care. This course will help students understand of what lies ahead in becoming a health care provider, and it will explore the many facets of the road to becoming a health care provider and an advocate for global health. Students will learn about the opportunities at UW-Madison for preparing for a career in medicine, and gain an appreciation of the challenges in providing health care in our changing world.

*Tuesdays 5:00-6:15pm*  
*Course Information:* F&W Ecol 375; Class Number: 46177 (2)

**Topic: Pathways to Biological Research**

This seminar will introduce students to the vast array of biological and biomedical research opportunities available for undergraduates to participate in at the University of Wisconsin-Madison. There will be frequent guest speakers, including faculty, postdocs, and graduate students that collaborated with undergraduate researchers, and undergraduate students who did research and will share their stories about how they became passionate about being a scientific researcher. Students taking this seminar can expect to: gain insight into what an undergraduate research experience looks like, identify personal research interests and goals, and learn how to find a research mentor and get accepted into a research lab.

*Tuesdays 5:00-6:15pm*  
*Course Information:* F&W Ecol 375; Class Number: 46178 (3)

**Topic: Ecology, Diversity, and Extinction**

This seminar will survey our knowledge of the earth’s biodiversity over geological time, as well as the intersection of ecological and evolutionary processes. Students will be introduced to core biogeographic concepts and terminology, and develop their own historical context of major adaptive radiations of taxonomic groups such as angiosperms and primates. This will include curriculum in basic community ecology concepts, some related to our current mass extinction. We will contextualize these themes in actual landscapes by visiting ecological communities near the UW campus as convenient model systems. Biodiversity research is conducted at multiple levels: from genetic diversity, to species diversity and broader functional levels. Most meetings will include guest lectures from UW scientists or field trips to natural areas. Be ready to learn to identify some common plants of Wisconsin, and study the ecological history of our local landscapes.

*Tuesdays 5:00-6:15pm*  
*Course Information:* F&W Ecol 375; Class Number: 46179 (4)