

*Spring 2022:*  
**ECOSYSTEM ECOLOGY  
AND GLOBAL CHANGE**

**CSS 893.001 (3 credits)**

**Online Synchronous: M/W 3:00-4:50 p.m.**

**Instructors: Dr. Lisa Tiemann, Dr. Violeta Matus Acuna**

An understanding of ecology at the ecosystem level provides the “big picture” that is essential to protect and manage ecosystems, particularly as we grapple with global environmental change. In this course, we study the fundamentals of ecosystem structure and function, including primary and secondary production, food webs, biogeochemical cycles, managed ecosystems, and ecosystem interactions with climate.

Join us for discussion of **foundational and cutting edge literature in ecosystem ecology** as we learn about **climate change science, policies and politics** and how to **navigate and discuss this sometimes charged topic with nonscientists** with “The Thinking Person’s Guide to Climate Change.”

**Student-led  
discussions**

**Career-  
relevant  
assignments**

***This SP22 special topics course fulfills  
EEB Program requirements for IBIO 897***

