

EEB 461/504 Invasion Biology, Spring 2018

Instructors: Dr. Daniel Simberloff and Dr. Christy Leppanen

CRN 26971 (EEB 461) or CRN 26273 (EEB 504)

**12:40 to 1:55 pm, Tuesday and Thursday, Dabney-Buehler Hall 488
3 credit hours**

Course Description:

In this course, students will study the history, biology, and management of biological invasions. Students will learn about the geography and scale of invasions, ecological effects, impacts to humans, and the evolution of introduced and native species. Differences between “introduced” and “invasive” species will receive particular attention and will inform discussions about prevention, regulation, detection, management, and eradication. Each concept will include comprehensive consideration of interesting case studies. Students will be challenged to apply this knowledge in a variety of scenarios (e.g., research, management, policy making, regulatory compliance) and fields (i.e., education, conservation, resource management, law, real estate development, urban planning). The course will conclude with discussion of controversies surrounding biological invasions and prospects for the future of invasions, considering, e.g., biotic homogenization, animal rights, human activity, climate change, and management with new technologies.

