

Spring 2017

BIOS 7970 Seminar in CONSERVATION BIOLOGY (2 CR)

Instructors:

Dr. Don Miles (milesd@ohio.edu)

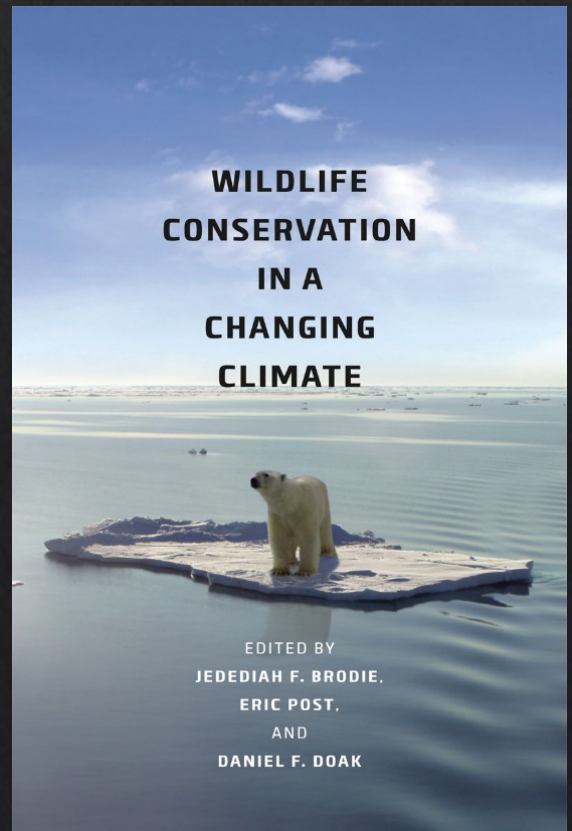
Dr. Viorel Popescu (popescu@ohio.edu)

Location and time: TBD

Safeguarding Earth's biodiversity is a complex task requiring multi-disciplinary approaches and thinking outside-the-box. Of all threats to biodiversity, Climate Change is perhaps the most controversial, and one of the most acute given the current social, economic and political climate. In this seminar, we will explore the many facets of climate change impacts on species and ecosystems using both discussions and hands-on computer-based exercises.

Discussions will be focused on chapters in *Wildlife conservation in a changing climate* (2012) by J. Brodie, E. Post, D. Doak, University of Chicago Press, and will be supplemented by relevant articles.

Computer-based exercises will be focused on demographic and spatial predictions of climate change impacts on species (species distribution models, matrix models) and the use of spatial conservation planning in defining conservation priorities in the face of climate change.



This seminar contributes to the graduate Conservation Biology Certificate