Global Environmental Change

Fall 2014

Honor 3215-001 (4 credit hours)
Tues/Thursday 9:10-10:30
Labs Tues 2:00 PM/Thurs 12:55 PM
• This honors course, Global Environmental Change, provides an integrated, interdisciplinary approach to global change phenomena. The course is targeted towards non-science majors. Complementary lectures and labs will be used to evaluate how the human and physical environments interact to create global changes.

• Lectures will convey the science behind different global change phenomena, which an emphasis on active discussion between students. Labs will require students to test scientific models of global change phenomena, allowing them to gain insight on the abilities and limitations of modeling.

The objectives of this course are to:
1. Provide honors students with current scientific knowledge on global change phenomena from an integrated, interdisciplinary perspective that addresses both human and physical components.
2. Allow honors students from broad, non-science backgrounds to analytically evaluate models of global change phenomena, including the model assumptions, limitations, and sensitivity.
3. Introduce students to Geographic Information Systems (GIS). With further training, students will possess GIS skills that are highly desired by employers across a wide variety of fields.
4. Lead students to think critically about how their actions can have global impacts.