

## Syllabus

**Course Summary:** In this course we learn about the interaction between humans and their environment, focusing on the fact that most people now live in cities. This course surveys issues that are the result of people living in high densities: energy use, sanitation, disaster preparedness, resource distribution, spread of communicable diseases, and climate change. This class also looks at economics, the Well-Being Index, and the Global Happiness Index. This class is in English.

### Tentative schedule:

Week	Lecture
1	Introduction
Problems:	
2	The Power of Community
3	Ecological Footprint
4	Scientific Method
5	Peak Oil & Non-renewable Resources
6	Ecological Problems
7	Communicative Diseases, Natural Disasters
8	Economics & Ecology, HANDY model
<b>9</b>	<b>Midterm Exam</b>
Solutions:	
10	Life without air conditioning
11	Bicycles & Public Transportation
12	Urban gardens
13	Local Economies
14	Conservation & Biophilia
15	Well-being Index
16	Holiday: No Class
17	Project Presentations
<b>18</b>	<b>Final Exam</b>

### Exams & quizzes cover:

Lectures & blackboard textbook  
power point slides  
handouts & movies  
assignments & projects  
previous tests & quizzes

**Daily Quiz:** A quiz is given at the beginning of each class. Quiz also records attendance. Tardy or absent students cannot take the quiz.

**Exams:** There are two exams: midterm and final.

**Textbook:** There is no textbook, but there will be selected readings. Readings will be at the class website (<<http://shokulan.org/Courses/Courses.html>>) or in the NRES Office.

**Research Project:** Your group of 2-3 students your group will do a research project. You will also keep a log of photographs and notes. Logs and data sheets are due several times during the semester. At the end of the semester, you and your group will present your findings to the class in a 5-minute talk.

**Review Paper:** As a group, you will also write a paper of your project as though you were going to submit it for publication: Title, Abstract, Introduction, Methods, Results, Discussion, References, Tables, and Figures. Your paper should follow the style of the Journal of Wildlife Management (<<https://wol-prod-cdn.literatumonline.com/pb-assets/hub-assets/wildlife/TWSGuidelines2019-1551499449647.pdf>>)

**Classroom Project:** You will join a group lead by a student in 2877 Field Methods in Sustainability. In pairs, you will monitor traps. These traps must be checked daily, but you will be assigned certain dates. No vertebrate animal should die. If you find a dead animal, the group responsible for the previous day will be penalized. If the group the day after you finds a dead animal, you will be penalized. All traps must be checked before 9 am.

**Grading:** Grades are based on group projects (20%), attendance and participation (10%), midterm exam (15%), cumulative final exam (30%), and final paper (25%).

**Course Policy:**

- 1) In advance, tell me of problems meeting deadlines and assignments.
- 2) Assignments lose 20% for each week late.
- 3) Do your own work. Do not copy! Do not use computer translations!
- 4) You must cite your sources. You must give exact links for anything from the internet.
- 5) Copying is penalized by failure of the assignment (grade = 0%).
- 6) Academic fraud (including faking data) is penalized by failure of the group project.