

**Tentative Class Syllabus 2019:**

*Subject to Revision*

**Geography 3350: Resource Conservation and Environmental Management** (3 credits, BF)

Fall 2019

Instructor: Ingrid Weinbauer

Email: [ingrid.weinbauer@geog.utah.edu](mailto:ingrid.weinbauer@geog.utah.edu)

Meeting Time: MW 1:25-2:45 in GC 3700

Office: GC 4840

Office Hours: Tuesdays 11-12, Wednesdays, 12-1

Office Phone: 801-585-7157

*Please turn off your cell phones!*

**Course Description/Objectives:**

This class approaches environmental management and resource conservation from a geographic perspective and it will focus on the human-environmental interactions. We will consider the challenges currently facing resource conservationists, the science used to recognize environmental problems, and possible methods to prevent or mitigate the overuse of natural resources. Focus of the course will be loosely on food, waste, water, and energy.

**Learning Outcomes:**

- Understand the interaction of human behavior, society, and institutions and the subsequent environmental impacts.
- Understand the historical developments of these interactions.
- Acquire a solid understanding of selected current and past environmental issues on a local and a global scale.
- Gain awareness of possible solutions and conservation efforts for these issues.

**Required Readings:**

Pollan, Michael. *Omnivore's Dilemma: A Natural History of Four Meals*. We will read only parts of the book.

Humes. Edward. *Garbology: Our Dirty Love Affair with Trash*.

Short Readings on Canvas.

**Grading:**

Midterm: 25%

Final Exam: 25%

Quizzes/Reading Responses: 25%

Project/Activities: 25%

**Grading Scale:**

A 100-90%

B 90-80%

C 80-70%

D 70-60%

F <60%

**Attendance Policy:**

I strongly encourage attendance, since the majority of the exams, assignments, quizzes and activities will be drawn upon class material, lectures, class discussions, guest lectures, and field trips. When you miss class, it is your responsibility to get notes from your peers.

**Active Class Participation:**

There will be plenty of opportunity for you to be actively involved in the class. Ask questions, raise points, make comments, and participate respectfully in class discussions of readings and/or videos. Participate in fieldtrips. This is your class, so make sure you are actively involved in it.

**NO LATE work will be accepted! And NO make-up exams OR quizzes will be given!  
Please plan accordingly! Thank you!**

## **University Policies**

***The Americans with Disabilities Act.*** The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, (801) 581-5020. CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services.

***University Safety Statement.*** The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit [safeu.utah.edu](http://safeu.utah.edu).

***Incompletes.*** The mark "I" (incomplete) shall be given and reported for work incomplete because of circumstances beyond the student's control. The grade of "I" should be used only for a student who is passing the course and who needs to complete 20% or less of the course. An "I" should not be used in a way that will permit a student to retake the course without paying tuition. If the student attends the course during a subsequent semester as part of the effort required to complete the course, he/she must be registered (either as a regular student or for audit) in the semester in which he/she attends.

If a student has not finished incomplete work within one calendar year after the "I" was given, the "I" will be changed to an "E" by the Registrar's office. If the student graduates within one calendar year after receiving the "I," but before completing the work, the "I" will remain in the record, but will not contribute to credit toward graduation or the grade point average. An instructor may override the automatic change from an "I" to an "E" by submitting a grade change form.

***"Academic misconduct"*** includes, but is not limited to, cheating, misrepresenting one's work, inappropriately collaborating, plagiarism, and fabrication or falsification of information, as defined further below. It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct.

- a. "Cheating" involves the unauthorized possession or use of information, materials, notes, study aids, or other devices in any academic exercise, or the unauthorized communication with another person during such an exercise. Common examples of cheating include, but are not limited to, copying from another student's examination, submitting work for an in-class exam that has been prepared in advance, violating rules governing the administration of exams, having another person take an exam, altering one's work after the work has been returned and before resubmitting it, or violating any rules relating to academic conduct of a course or program.

- b. Misrepresenting one's work includes, but is not limited to, representing material prepared by another as one's own work, or submitting the same work in more than one course without prior permission of both faculty members.
- c. "Plagiarism" means the intentional unacknowledged use or incorporation of any other person's work in, or as a basis for, one's own work offered for academic consideration or credit or for public presentation. Plagiarism includes, but is not limited to, representing as one's own, without attribution, any other individual's words, phrasing, ideas, sequence of ideas, information or any other mode or content of expression.

**"Academic sanction"** means a sanction imposed on a student for engaging in academic or professional misconduct. It may include, but is not limited to, requiring a student to retake an exam(s) or rewrite a paper(s), a grade reduction, a failing grade, probation, suspension or dismissal from a program or the University, or revocation of a student's degree or certificate. It may also include community service, a written reprimand, and/or a written statement of misconduct that can be put into an appropriate record maintained for purposes of the profession or discipline for which the student is preparing.

**Tentative Class Schedule:** *Subject to Revision*

**Week One:**

8/19: Introduction

8/21: Natural RS Conservation Viewpoints/Ideologies (Preservation/Conservation),  
History of Environmental Movements

***Food Section: The Omnivore's Dilemma***

**Week Two: Intro, Chapters 1 and 2**

8/26: Human Population Growth, Food Security

8/28: Film: *King Corn*

**Week Three: Chapters 3, 4, and 5**

9/4: Fieldtrip: BUG Farm/Vertical Gardens Campus Garden OR Food Related Guest  
Presentation

**Week Four: Chapters 6 and 7**

9/9: Film: *GMO OMG* OR other GMO Film

9/11: CAFOs, Discussion of Part I: *Industrial Corn (Omnivore's Dilemma)*

**Week Five: Chapters 8, 9, and 10**

9/16: Soils, Pesticides, Fertilizers, IPM

9/18: Soil Conservation and Sustainable Agriculture OR BUG Farm Fieldtrip

**Week Six: Chapters 11 and 12**

9/23: Film: *End of the Line* (Overfishing) OR Other Overfishing Film/Discussion

9/25: Discussion of Part II: *Pastoral Grass (Omnivore's Dilemma)*

**Week Seven: Chapters 13, 14, 16, and 17**

9/30: Discussion of Part III: *Personal Forest (Omnivore's Dilemma, Review for Midterm*

10/2: **MIDTERM**

***Fall Break 10/7 and 10/9***

***Waste and Water Section: Garbology***

**Week Eight: Intro, Chapters 1-3**

10/14: Film: *Dive!* (Food Waste) and Discussion of Food Waste

10/16: Field Trip: Waste Water Treatment Facility (Snyderville Basin)

**Week Nine: Chapters 4-6**

10/21: Film: *Bag It* OR other relevant Waste/Garbage Film

10/23: E-Waste, Discussion of Part 1: *Garbology*

Week Ten: Chapters 7-9

10/28: Field Trip: Salt Lake Valley Landfill OR Rocky Mountain/Momentum Recycling Facility  
10/30: Bottled Water OR SUWA Guest Presentation

Week Eleven: Chapters 10-12

11/4: Water in Utah: Guest Presentation: Utah Rivers Council  
11/6: Discussion of Part 2 and 3: *Garbology*

***Deforestation, Living Building, Air Pollution, Alternative Fuels, Energy***

Week Twelve:

11/11: Deforestation: Palm Oil and Coltan  
11/13: Sustainable Building: Arch Nexus: Living Building Challenge OR Law School Building

Week Thirteen:

11/18: Air Pollution Lecture OR Field Trip: UATAQ Lab  
11/20: Air Pollution Continued

Week Fourteen:

11/25: Alternative Fuels Lecture  
11/27: Utah Clean Cities

Week Fifteen:

12/2: Energy: Ground Source Heating: Gardner Commons  
12/4: Semester Wrap Up; Review for Final Exam

**The Final Exam will take place during Final Exam Week  
on Thursday, December 12, 2019 from 1-3 PM in the classroom!**

*Note: This syllabus is meant to serve as an outline and guide for the course. This syllabus is not a binding legal contract. Please note that I may modify it with reasonable notice to you. I may also modify the Class/Course Schedule to accommodate the needs of the class. Any changes will be announced in class and/or posted on Canvas under Announcements.*