This course will cover a variety of local to global resource conservation topics.

Potential Topics Include:
- Water Resources
- Fisheries
- Food and Agricultural Resources
- Mineral Resources
- Waste Management
- Energy Resources

"The conservation of natural resources is the fundamental problem. Unless we solve that problem it will avail us little to solve all others." Theodor Roosevelt-1907
Note: The syllabus is not a binding legal contract. It may be modified by the instructor when the student is given reasonable notice of the modification, particularly when the modification is done to rectify an error that would disadvantage the student.

Resource Conservation & Environmental Management
GEOG/ENVST 3350
Summer 2014

Instructor: Tim Edgar, M.S., Associate Instructor
Contact Information: tim.edgar@geog.utah.edu, OSH 159D, 801-585-5420
Department: Geography
Course Duration: Monday 23 June – Wednesday 30 July
Class Time and Location: Monday & Wednesday 9:00 AM to 12:00 PM, OSH 113
Office Hours: OSH 159D; Monday & Wednesday 12:00 PM to 1:30 PM

Course Description:
This course approaches topics in resource conservation and environmental management from a geographic perspective, with a focus primarily on human-environmental interactions and the movement of resources between regions. The course considers challenges currently facing resource conservationists, the science used to recognize environmental problems, and possible directions to achieve a sustainable use of natural resources. Potential topics include energy resources, water resources, food resources, the generation of waste, and virtual consumption. Expert guest speakers and a field trip are incorporated into the course.

Course Objectives:
By the end of this course students will be able to:
- Apply the principals of sustainability introduced in the course to the topics discussed in class
- Analyze resource conservation issues from a verity of perspectives
- Formulate and express, informed and valid opinions regarding natural resource consumption and resource management practices
- Better understand the impacts of our resource utilization/consumption on our quality of life and the quality of life of others

Required Text:
There is no textbook required for this course. Readings and videos will be assigned by the instructor and posted on Canvas. You are expected to read/watch the respective materials before each class meeting.
## Course Schedule and Topics

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<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Day</th>
<th>TOPICS</th>
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</thead>
<tbody>
<tr>
<td>June</td>
<td>23</td>
<td>M</td>
<td>Introduction: Natural Resource Conservation and Management</td>
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<tr>
<td></td>
<td>25</td>
<td>W</td>
<td>Economics, Ethics and Critical Thinking: Tools for Creating a Sustainable Future</td>
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<td></td>
<td>30</td>
<td>M</td>
<td>Lessons from Ecology/ The Human Population Challenge</td>
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<td>July</td>
<td>2</td>
<td>W</td>
<td>Food: Agriculture or Fisheries</td>
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<td>7</td>
<td>M</td>
<td>Waste Management</td>
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<td></td>
<td>9</td>
<td>W</td>
<td>Mineral Resources &lt;br&gt;<code>Waste Audit</code></td>
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<tr>
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<td>14</td>
<td>M</td>
<td>Field Trip</td>
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<td></td>
<td>16</td>
<td>W</td>
<td><code>Debate 1</code>&lt;br&gt;<code>Debate 2</code></td>
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<tr>
<td></td>
<td>21</td>
<td>M</td>
<td>Water Resources</td>
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<tr>
<td></td>
<td>23</td>
<td>W</td>
<td>Nonrenewable Energy: Resources and Challenges</td>
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<td>28</td>
<td>M</td>
<td>Creating a Sustainable System of Energy Generation and Consumption</td>
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<td>30</td>
<td>W</td>
<td><code>Debate 3</code></td>
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*Note that the above schedule is subject to change.*
Assignments

Class Participation/Reading Response:
Students are expected to participate in class discussions and exercises. This may include quizzes and short responses to assigned readings.

Waste Audit:
We will be conducting an audit of the waste we generate over a 48 hour period. This will include bringing your waste to class and a short writing assignment.

Fieldtrip:
Students will complete short pre and post writing assignments pertaining to the field trip.

Debates:
Debates will focus on lecture material, readings, and have a strong emphasis on additional resources researched by the students. A separate set of instructions for the debates will be provided.

Debate Peer Review:
Students not participating in a debate will conduct an analysis of the debate.

Grading:
Class Participation 10%
Waste Audit 15%
Fieldtrip Assignment 10%
Debate 25%
Debate Peer Review 1 20%
Debate Peer Review 2 20%
Total 100%

Grade Scale:
A 94-100% B+ 87-90% C+ 77-80% D+ 67-70% E <60%
A- 90-94% B 83-87% C 73-77% D 63-67%
B- 80-83% C- 70-73% D- 60-63%

Credit Hours:
Geog 3350 is a three credit hour course. At the University of Utah we assume that there is at least one hour in class and two hours outside of class per week or the equivalent combination connected to every credit hour.

Scheduling Conflicts:
Please speak with the instructor within the first two weeks of class regarding any conflicts you may have with the class schedule.
Academic Integrity Statement:
The University of Utah is committed to nurturing academic excellence, truth, honesty, and personal integrity. The faculty expects all students to maintain high ethical standards. Academic dishonesty will not be tolerated and anyone found cheating on an examination will be given zero points for that exam. Additional sanctions for cheating and/or plagiarism may apply.

Faculty and Student Responsibilities:
The class will follow accepted University of Utah policies and procedures. Please refer to the University of Utah Faculty Handbook (http://www.admin.utah.edu/fhb/) and Student Code (http://www.admin.utah.edu/ppmanual/8/8-10.html). Specifically: All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in the Code. The Code also specifies proscribed conduct that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty’s responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee.

Disability Accommodation:
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 the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

Content Accommodation:
Consistent with principles of academic freedom, the faculty, individually and collectively, has the responsibility for determining the content of the curriculum. It is the student’s obligation to determine, before the last day to drop courses without penalty, when course requirements conflict with the student’s sincerely-held core beliefs. If there is such a conflict, the student should consider dropping the class. A student who finds this solution impracticable may request a content accommodation from the instructor. Though the University provides, through this policy, a process by which a student may make such a request, the policy does not oblige the instructor to grant the request, except in those cases when a denial would be arbitrary and capricious or illegal. This request must be made to the instructor in writing, and the student must deliver a copy of the request to the office of the department Chair or, in the case of a single-department college, to the office of the Dean. The student’s request must articulate the burden the requirement would place on the student’s beliefs.

“In the end we will conserve only what we love. We will love only what we understand. We will understand only what we are taught.” – Baba Dioum