Second session, Summer 2014! Learn how people and nature interact to create and manage the nature resources that keep us alive—and keep our lives interesting. The course covers all major renewable resources, from water to wildlife, biodiversity to climate change, fisheries to forests, all addressed in the context of sustainability (meeting today’s needs without damaging the future). London provides a perfect ecosystem for comparing American and European approaches to conservation, including discussions with British leaders on energy policy, excursions to The New Forest National Park, , Thames River flood barrier and several museums of embassies, and along with walking tours to parks and resource areas in central London. Taught by Larry Nielsen, Professor of Natural Resources
Course Syllabus

FW 221-001 – Conservation of Natural Resources

Section 1
Summer 2014
3 Credit Hours

Course Description

This course examines the importance of natural resources and their role in the human environment. Physical, biological and ecological principles are described that underlie sustainability of natural resources, particularly as these relate to the consequence of human impacts as resources are used to meet societal needs. The course emphasizes renewable natural resources, the importance of habitat, and a broadly international context. The course takes an optimistic perspective that life on earth can and will be better in the future if we learn and practice good resource management today. The class occurs in London, as a study abroad course.

Learning Outcomes

By the end of the course, students will be able to

1. Understand and describe the importance of various natural resources to human existence, in both a historical and contemporary context.

2. Understand and describe the approaches of people from various nations, societies and economies to the use, maintenance and improvement of natural resources.

3. Analyze the advantages and disadvantages of a natural resource management practice and policy, using the principles and practices of the scientific method and other social, economic and cultural factors.

4. Understand and analyze a natural resource management issue from a local and global scale, using the principles and practices of the scientific method.

5. Analyze both the means and ends relating to a natural resource management issue.

6. Explain how natural resource perspectives change through time in response to demographic, economic and resource abundance conditions, both in the United States and in other nations.

7. Evaluate the ways in which human population growth relates to natural resource management.

8. Create and evaluate options for addressing natural resource management decisions.


11. Critically read and summarize primary and secondary literature.

Course Structure

The course involves lectures, group activities and excursions during class periods and extensive interaction and feedback in all class sessions. Students are expected to come to
class prepared, having read the materials assigned and available on the course moodle site for the current period.

**Instructors**

<table>
<thead>
<tr>
<th>Larry A. Nielsen (lanielse) - Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email: <a href="mailto:larry_nielsen@ncsu.edu">larry_nielsen@ncsu.edu</a></td>
</tr>
<tr>
<td>Web Page: <a href="http://www4.ncsu.edu/~lanielse/">http://www4.ncsu.edu/~lanielse/</a></td>
</tr>
<tr>
<td>Phone: to be provided once we are in London</td>
</tr>
<tr>
<td>Fax:</td>
</tr>
<tr>
<td>Office Location: None</td>
</tr>
<tr>
<td>Office Hours: as arranged; send me an email if we need to meet</td>
</tr>
</tbody>
</table>

**Course Meetings**

**Lecture**

- **Days:** TH
- **Time:** 9 AM – 1 PM
- **Campus:** London, England
- **Location:** Seminar Room 1, Young Street Building, University of Richmond, South Kensington, London
  
  *This meeting is required.*

**Meeting Notes**

One all-day excursion is required, on a Friday outside of normal class times, to the New Forest National Park; expenses for this excursion have been included in the course fee, so no additional costs are required. On a few other days, the course will extend into the afternoon with excursions to local sites which may require a small additional transportation fee to use public transportation beyond Zones 1 and 2.

**Course Materials**

**Textbooks**

None. Readings will be assigned from the Internet and will be listed on the course Moodle site.

**Expenses**

Students should be prepared to buy snacks or meals while on class excursions around London during normal class times. Some classes will begin or end away from Young Street Building.

**Materials**

None.

**Requisites and Restrictions**

**Prerequisites**

None.

**Co-requisites**

Each student in the course is required to be taking a second course while on study abroad in London.

**Restrictions**
General Education Program (GEP) Information

GEP Category
Natural Sciences or Interdisciplinary Perspectives (can count for only one of these)

GEP Co-requisites
Global Knowledge

Transportation
This course will not require students to provide their own transportation. Each student will be issued a pre-paid transportation pass for public transportation in zones 1-2 of central London, but will probably need to spend a few dollars (approximately $10) for additional transportation charges to zone 3

Safety & Risk Assumptions
Students have been oriented to the safety issues involved in a study abroad course.

Grading

Grade Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group presentation</td>
<td>25%</td>
<td>Three- or four-student groups will be required to make a presentation about a natural resource topic to be assigned</td>
</tr>
<tr>
<td>Reading summary</td>
<td>20%</td>
<td>Two-student groups will be required to summarize a course reading for the class and lead discussion of the reading</td>
</tr>
<tr>
<td>Personal reflection</td>
<td>25%</td>
<td>Each student will be required to write a weekly reflection on the natural resource topics and experiences of the week</td>
</tr>
<tr>
<td>Participation</td>
<td>10%</td>
<td>The instructor will judge the level of each student’s engagement in the classes and experiences</td>
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</table>

Attendance 20%

Unexcused absences will be graded as follows:
1. Absent for 0 days – student receives 20%
2. Absent for 1 day – student receives 10%
3. Absent for 2 days – student receives 0%
4. Absent for more than 2 days – student receives F for the course, regardless of other work

Extra Credit
No opportunities for extra credit will be available.
### Letter Grades

This Course uses Standard NCSU Letter Grading:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
<th>Grade</th>
<th>Score Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>97 ≤</td>
<td>A</td>
<td>93 ≤</td>
</tr>
<tr>
<td>A</td>
<td>100 ≥</td>
<td>A-</td>
<td>90 ≤</td>
</tr>
<tr>
<td>B+</td>
<td>93 ≤</td>
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<tr>
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</tr>
<tr>
<td>F</td>
<td>67 ≤</td>
<td>F</td>
<td>60 ≤</td>
</tr>
</tbody>
</table>

### Requirements for Credit-Only (S/U) Grading

S/U grading is not available.

### Requirements for Auditors (AU)

Auditing the course is not available.

### Policies on Incomplete Grades

If an extended deadline is not authorized by the instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at [http://www.ncsu.edu/policies/academic_affairs/grades_undergrad/REG02.50.3.php](http://www.ncsu.edu/policies/academic_affairs/grades_undergrad/REG02.50.3.php).

### Late Assignments

Assignments are due at the end of the class period on the due date. Assignments turned in late will be assessed a penalty of 20% of the possible grade per calendar day that they are late. The "next day" begins at the end of class—if you turn in your assignment a few minutes late, that’s one day’s penalty. Weekend days count as days late, also.

### Attendance Policy

**Attendance**

Attendance is required. Please review the grading section above to understand how unexcused absences affect grades.

**On-time attendance**

The course has 10 class periods, each of which is 4 hours long (or longer, in some cases). Each class period will involve a number of instructional elements, some of which will require walking or travel to another location. Consequently, on-time attendance is essential. If a student is not present at the time when the class leaves for a scheduled topic, the student will receive an unexcused absence.
Absences
The university's attendance regulation is the basis for excused absences. In general, if you are sick or have some other issue that you think requires your absence, contact the instructor as soon as you know that you might miss class. Better to ask permission than forgiveness. The policy is available at http://www.ncsu.edu/policies/academic_affairs/course_undergrad/REG02.20.3.php.

Makeup Work
Makeup work for excused absences will be determined in consultation between the instructors and the student.

Additional Excuses Policy
Please contact me, in advance if possible, if you have any issues that will prevent you from attending class. Remember that each unexcused absence will reduce your grade. You may think that your circumstance is too specific, short-term, unusual or embarrassing to contact me about, but you are wrong--the best thing you can do is talk to me about it; the worst thing you can do is try to solve it yourself or give up. I've dealt with every sort of problem over the years, so nothing you tell me will surprise me or make me think less of you. Together, we might have the chance to solve some problem; alone, you are much less likely to do so. So, talk to me, please.

Academic Integrity
You are always “in class”
Whenever we are together—in the classroom, at another site, traveling to or from a site, on a field excursion, at a restaurant—you are “in class.” All normal rules and expectations for classroom behavior are in force whenever you are “in class.” You are expected to conduct yourself with maturity and courtesy at all times, especially when in public or with guests to the class. I want to remind you that no drinking of alcoholic beverages is allowed when you are “in class,” even if we are in a restaurant that serves alcohol (that includes beer and ale).

Academic Integrity
Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php

Academic Honesty
See http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php for a detailed explanation of academic honesty.

Honor Pledge
Your name on and/or turning in of any test or assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."

Electronically-Hosted Course Components
There are no electronically-hosted components for this course.

Accommodations for Disabilities
Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, student must register with the Disability
Services Office (http://www.ncsu.edu/dso) located at 1900 Student Health Center, Campus Box 7509, 515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.1.php. Please note that in foreign countries, access and other accommodations for disabilities may not follow the standards used in the United States; in addition, the instructor is not obligated to provide access for all activities and students may need to forego certain activities if access is not available; no course penalty will be assessed for such absence.

**Non-Discrimination Policy**

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at http://www.ncsu.edu/policies/campus_environ or http://www.ncsu.edu/equal_op. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 515-3148.
## Course Schedule

The course schedule will be delivered to you separately (and it is available on the course Moodle site).