EESC116301: Environmental Issues and Resources, 3 Credits
Boston College Summer Session 2016
Summer 2, June 28 – August 4
Tuesday, Thursday: 6:00 – 9:15 PM

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Office Hours: Tuesday, Thursday: 5:00 – 6:00 PM; by arrangement

Boston College Mission Statement
Strengthened by more than a century and a half of dedication to academic excellence, Boston College commits itself to the highest standards of teaching and research in undergraduate, graduate and professional programs and to the pursuit of a just society through its own accomplishments, the work of its faculty and staff, and the achievements of its graduates. It seeks both to advance its place among the nation's finest universities and to bring to the company of its distinguished peers and to contemporary society the richness of the Catholic intellectual ideal of a mutually illuminating relationship between religious faith and free intellectual inquiry.

Boston College draws inspiration for its academic societal mission from its distinctive religious tradition. As a Catholic and Jesuit university, it is rooted in a world view that encounters God in all creation and through all human activity, especially in the search for truth in every discipline, in the desire to learn, and in the call to live justly together. In this spirit, the University regards the contribution of different religious traditions and value systems as essential to the fullness of its intellectual life and to the continuous development of its distinctive intellectual heritage.

Course Description
EESC 116301 Environmental Issues and Resources
Learn about the major processes at work inside and on the surface of the Earth. Acquire skills that will promote logical decision-making about evaluating and purchasing land and property. Each class is designed to examine the facts, historical background, and through homework exercises, in-class exercises and virtual labs, provide experience in analyzing and solving real-world problems associated with environmental issues, resources and sustainability. Demonstrations, videos, readings and a campus field trip underscore important concepts and applications.

Textbooks & Readings (Required)
2. Coursepack: EESC116301 Environmental Issues and Resources, 2016, for sale in the Boston College bookstore. Bring this to each class. (Please note: You cannot use previous versions of this Coursepack.)
Textbooks & Readings (Recommended but optional)

3. https://www2.bc.edu/kenneth-galli/resources/topic.html Environmental Geology Links

Canvas

Canvas is the Learning Management System (LMS) at Boston College, designed to help faculty and students share ideas, collaborate on assignments, discuss course readings and materials, submit assignments, and much more - all online. As a Boston College student, you should familiarize yourself with this important tool. For more information and training resources for using Canvas, click here. I also have created a MediaKron Web site for this class that you can access either through a link once you are signed in with your BC credentials to our Canvas site or directly at: https://mediakron.bc.edu/environmentalissues.

Course Objectives

1. You will gain factual knowledge (terminology, classifications, methods, trends) through the memorization of about ten to twelve terms for each Topic covered.

2. You will learn to apply course material (to improve thinking, problem solving, and decision-making)

   You will learn about the major processes at work inside and on the surface of the Earth. Acquire skills that will help you to make logical decisions about evaluating and purchasing land and property. Each class is designed to give you the facts, a historical background, and through homework, in-class exercises and virtual labs, experience in analyzing and solving real-world problems associated with environmental issues and resources. Virtual Labs using Instructure Canvas Management Learning environment and Google Docs will allow you to conduct online studies of field problems that will illustrate important concepts covered in class and to complete virtual laboratory exercises and submit them online. Tie-ins to key terms and concepts will be aided by reference to portions of John McPhee's book: The Control of Nature and through the use of selected videos on key topics. Geology is best done in the field so our first class will be a field trip to explore Boston College campus and describe some important geological features that we have talked about in class. The final exam is on the last scheduled day. The course pack has most lecture material.

3. You will demonstrate knowledge across cultural settings and will learn the impact of culture, gender, and age in environmental geology as demonstrated by aspects of landslides, floods, earthquakes and volcanic eruptions and their effect on humans and human settlements.

4. You will demonstrate ethical knowledge and skill pertaining to making sound decisions as demonstrated by answering questions in homework exercises regarding responsible land use with respect to map-reading, identifying potential landslide hazards, identification of historic landslides, mapping of the 50-year floodplain, producing groundwater table maps using well data, to locate the best place to build a house.

5. You will learn Google Docs/Draw and be able to construct and annotate maps to submit their answers online. The completion of four virtual labs will demonstrate that you understand and can apply what you have learned in the classroom. Your successful online submission of Google Drawings and other aspects of the Virtual Labs will increase your ability to work with critical online tools. In completing the Virtual Labs you will have learned how to find and use resources for answering questions and solving problems.
**Grading**
Attendance 5%
Homework Exercises, In-class exercises, Virtual Labs 40% - (All must use Google Docs and Draw to complete and submit their assignments online.)
Individual Report on Water Resources of U. S. States 20%
Comprehensive Final Exam (two hours) 35%

The undergraduate grading system for Summer Session is as follows:

A (4.00), A- (3.67)
B+ (3.33), B (3.00), B- (2.67)
C+ (2.33), C (2.00), C- (1.67)
D+ (1.33), D (1.00), D- (.67)
F (.00)

All students can access final grades through Agora after the grading deadline each semester. Transcripts are available through the Office of Student Services.

**Deadlines and Late Work**
NOTE: No one can miss more than 2 classes and receive full credit. Work must be submitted on time.
Late Work: Work submitted will lose 10% of total value per day late.
No work will be accepted after August 2nd.
**EESC116301 counts toward the Environmental Studies Minor.**
Satisfies Core requirement for Natural Science.

**Course Assignments**
A minimum of 2 hours per week for every hour of instructional time should be spent on readings and exercises. Please note that some weeks will require more time and some weeks less time.

Using MediaKron to enrich your learning experience allows you to view and comprehend images, text, video, and audio clips in a website that tie our topics in time and space and to compare various aspects of major topics and to allow you to comment on media and to more fully express ideas, philosophy, trends, and examples presented in class and to produce a record of major aspects of earthquake, tsunami, and volcanic hazards through time.

We will use the Learning Management system called Instructure Canvas. We will feature four Virtual Labs within Canvas that will be able to be completed and submitted online. All are required to have Google Docs on their laptops and to learn how to use Google Docs and Google Draw and be able to submit your Virtual Lab assignments online.

All course Powerpoints will be posted within Canvas > Files > ppts. Our syllabus also will be available online.

Instructions on how to write your Individual Report on Water Resources of U. S. States to be assigned on June 30th and is due on August 2, 2106 in-class, will be passed out during the first class.
This is a long-term individual project equivalent to a mid-term exam grade. You should start working on this early.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading/Exercises/Experiences</th>
<th>Due Date</th>
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</thead>
<tbody>
<tr>
<td>6/28/16</td>
<td>OVERVIEW: Intro to Enviro Geology, Resources, Population</td>
<td>Campus Field Trip today! assessing rocks as building materials. <em>(Trip leaves at 6:25, don't be late!)</em></td>
<td>FIELD TRIP REPORT field trip, due at end of trip.</td>
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<td></td>
<td><strong>FIELD TRIP REPORT</strong></td>
<td>due at end of trip.</td>
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<td><strong>IN-CLASS EXERCISE — due at end of class</strong></td>
<td><strong>IN-CLASS EXERCISE</strong></td>
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<td>7/12/16</td>
<td><strong>Topic 5: PLATE TECTONICS</strong></td>
<td>Reading: Coursepack, TOPIC FIVE. MediaKron: watch Topic 5 Openers.</td>
<td>due at end of class.</td>
</tr>
<tr>
<td>8/2/16</td>
<td><strong>Individual Reports on Water Resources of U. S. States are due today.</strong></td>
<td>August 4, 2016 In-Class Final Exam (all must take exams at scheduled time. No exceptions.)</td>
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Written Work
Summer Session students are expected to prepare professional, polished written work. Written materials must be typed and submitted in the format required by your instructor. Strive for a thorough yet concise style. Cite literature appropriately, using APA, MLA or CLA style per your instructor’s requirements. Develop your thoughts fully, clearly, logically and specifically. Proofread all materials to ensure the use of proper grammar, punctuation and spelling. For writing support, please contact the Connors Family Learning Center.

Attendance
Attending class is an important component of learning. Students are expected to attend all class sessions. When circumstances prevent a student from attending class, the student is responsible for contacting the instructor before the class meets. Students who miss class are still expected to complete all assignments and meet all deadlines. Many instructors grade for participation; if you miss class, you cannot make up participation points associated with that class. Makeup work may be assigned at the discretion of the instructor. If circumstances necessitate excessive absence from class, the student should consider withdrawing from the class. [Instructor note: Please outline your specific policy for attendance credit and the implications of missed classes.]

Consistent with BC’s commitment to creating a learning environment that is respectful of persons of differing backgrounds, we believe that every reasonable effort should be made to allow members of the university community to observe their religious holidays without jeopardizing their academic status. Students are responsible for reviewing course syllabi as soon as possible, and for communicating with the instructor promptly regarding any possible conflicts with observed religious holidays. Students are responsible for completing all class requirements for days missed due to conflicts with religious holidays.

Accommodation and Accessibility
Boston College is committed to providing accommodations to students, faculty, staff and visitors with disabilities. Specific documentation from the appropriate office is required for students seeking accommodation in Summer Session courses. Advanced notice and formal registration with the appropriate office is required to facilitate this process. There are two separate offices at BC that coordinate services for students with disabilities:

- The Connors Family Learning Center (CFLC) coordinates services for students with LD and ADHD.
- The Disabilities Services Office (DSO) coordinates services for all other disabilities.

Find out more about BC’s commitment to accessibility at www.bc.edu/sites/accessibility.

Scholarship and Academic Integrity
Students in Summer Session courses must produce original work and cite references appropriately. Failure to cite references is plagiarism. Academic dishonesty includes, but is not necessarily limited to, plagiarism, fabrication, facilitating academic dishonesty, cheating on exams or assignments, or submitting the same material or substantially similar material to meet the requirements of more than one course without seeking permission of all instructors concerned. Scholastic misconduct may also involve, but is not necessarily limited to, acts that violate the rights of other students, such as depriving another student of course materials or interfering with another student’s work. Please see the Boston College policy on academic integrity for more information. ©2016 Boston College Summer Session