*Please note that this syllabus should be regarded only as a general guide to the course and is subject to change at the instructor’s discretion.

EESC116301: Environmental Issues and Resources, 3 Credits  
Boston College Summer Session 2017  
Summer 2, June 27 – August 3  
Tuesday, Thursday: 6:00 – 9:15 PM  
Class location TBA

Instructor Name: Dr. Kenneth G. Galli  
BC E-mail: kenneth.galli@bc.edu  
Phone Number: 617-552-4504  
Office: 310 Devlin Hall  
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 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.  
June 27–Aug 3, T TH, 6:00-9:15 p.m.  
Kenneth Galli

Textbooks & Readings (Required)
2. Coursepack: EESC116301 Environmental Issues and Resources, 2017, 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 https://bostoncollege.instructure.com/courses/1574163
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. There is an app for that! Both iPhones and others have Canvas apps. 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 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 and Participation 10%
Homework Exercises, Virtual Labs 30%
(All must use Google Docs and Draw to complete and submit their assignments online.)
Filed Trip Report(s) and In-class Exercises, etc. 30%
Comprehensive Final Exam (two hours) 30%

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 1st.
*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 Instrucuture 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.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading/Exercises/Experiences</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/27/17</td>
<td>HW 1 OVERVIEW: Intro to Enviro Geology, Resources, Population</td>
<td>Campus Field Trip today! assessing rocks as building materials. (Trip leaves at 6:25, don't be late!) [if Rain Delay we will work inside]</td>
<td>FIELD TRIP REPORT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reading: Coursepack TOPIC ONE. Homework 1. MediaKron site: watch Intro Topic Openers and the four Topic One Openers. These are videos that go over some important points in a unique way.</td>
<td>due at end of trip.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>IN-CLASS EXERCISE— due at end of class</strong></td>
<td></td>
</tr>
<tr>
<td>7/6/17</td>
<td>Topic 3: EARTHQUAKES, TSUNAMI, THEIR HAZARDS; EARTH INTERIOR</td>
<td>Reading: Coursepack, TOPIC THREE. Homework 2.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MediaKron: watch Topic 3 Openers.</td>
<td></td>
</tr>
<tr>
<td>7/13/17</td>
<td>Topic 5: PLATE TECTONICS</td>
<td>Reading: Coursepack, TOPIC FIVE. MediaKron: watch Topic 5 Openers.</td>
<td><strong>due at end of class.</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>IN-CLASS EXERCISE</strong></td>
<td></td>
</tr>
</tbody>
</table>

August 3, 2017 In-Class **Final Exam** (all must take exams at scheduled time. No exceptions.)
**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.

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](http://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.
Expectations:

Behavior:
1. Classroom attendance is a necessary part of this course. You are allowed 2 unexcused absences.
2. Classroom participation is a part of your grade in this course. To participate you must attend class having prepared the materials for the day. Questions and comments must be relevant to the topic at hand.
3. You are expected to be on time. Class starts promptly at 6:00 PM. You should be in your seat and ready to begin class at this time. Class ends at 9:15 PM. Packing up your things early is disruptive to all.
4. Raise your hand to be recognized.
5. Classroom discussion should be civil and respectful to everyone and relevant to the topic we are discussing. Everyone is entitled to their opinion. Classroom discussion is meant to allow us to hear a variety of viewpoints. This can only happen is we respect each other and our differences.
6. Any discussion from class that continues on any listserv or other digital form should adhere to these same rules and expectations. (if applicable)
7. Any continued disruption of class will result in a report to your academic Dean. After one warning, if the disruption continues, you will be asked to leave the classroom for the remainder of the class and take a zero on any class work that day. Continued disruption will result in expulsion from the class.
8. You are expected to do your own work. Cheating, plagiarism and any other form of academic dishonesty will not be tolerated. Please refer to [https://www.bc.edu/schools/cas/polisci/integrity.html](https://www.bc.edu/schools/cas/polisci/integrity.html) for more details.
9. What you can expect from me: I will be prepared for class, on time, I will not leave early, and I will be respectful of you and your opinion.

Academic:
- Be prepared
- Do your work well. Do all your work.
- Do your work on time. Take homework seriously.
- Turn in your homework. Try hard.
- Put forth your best effort. Bring all your supplies to class.
- Be ready to learn. Study for tests. Listen actively.
- Participate. Listen and learn from others.
- Share your ideas. Finish what you start.
- Reflect on your work. Make good decisions.
- Push yourself beyond the easy. Don’t settle for mediocre work.
- Try new things. Ask for help.
- Your learning objectives should include:
  - Gaining factual knowledge – terminology, classifications, methods, trends
  - Learning fundamental principles, generalizations, and theories
  - Learning to apply course material (to improve thinking, problem solving, and decisions.)