EESC116301  
Course Title: Environmental Issues and Resources  
summer session 2, 2015  03 Credits  

Instructor: Dr. Kenneth G. Galli  
email: Kenneth.galli@bc.edu  
Office: Devlin Hall 310  
Office Hours: By appointment or after class nights following lectures.  
Telephone: 617-552-4504  
Schedule: Tuesdays & Thursdays 6:00 - 9:15 PM  June 23 – July 31, 2014  
Room: Gasson Hall 306  

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.  

*June 23–July 30, T TH, 6:00-9:15 p.m.*  
Kenneth Galli  

**Course Objectives**  
1. Gaining factual knowledge (terminology, classifications, methods, trends)  
2. Learning to apply course material (to improve thinking, problem solving, and decision-making)  

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 exercises, experience in analyzing and solving real-world problems associated with environmental issues and resources. Virtual Labs within our Instructure Canvas Management Learning environment will allow you to conduct online studies of field problems that will illustrate important concepts covered in class and to complete virtual laboratory exercises. 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.  

1. “The student 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.

2. “The student will demonstrate ethical 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, and the production of weighted value land use maps by the assessment of derivative maps to locate the best place to build a house.

Grading
Attendance 2%
Homework Exercises, In-class exercises, Virtual Labs 33%
Mid-Term Exam (one-hour) 30%
Comprehensive Final Exam (two hours) 35%

WCA5 Grading System
The undergraduate grading system consists of twelve categories: A (4.00), A- (3.67), excellent; B+ (3.33), B (3.00), B- (2.67), good; C+ (2.33), C (2.00), C- (1.67), satisfactory; D+ (1.33), D (1.00), D- (.67), passing but unsatisfactory; F (.00), failure; I (.00), incomplete; F (.00), course dropped without notifying office; W (.00), official withdrawal from course. The graduate grading system is A (4.00), A- (3.67), Excellent; B+ (3.33), B (3.00), good; B- (2.67), C (2.00), passing but not for degree credit; F (.00), failure.

Grade Reports. All students are required to log into the web through Agora to access their semester grades. Students must utilize their BC username and password to log on. If your username or password is not known the HELP Desk located in the Campus Technology Resource Center (CTRC) in O’Neill Library will issue a new one. The CTRC requires a valid picture ID (a BC ID, driver’s license or passport) to obtain your password.

Text(s)/Readings (Required)
2. Coursepack: EESC116301 Environmental Issues and Resources, for sale in the Boston College bookstore. This will also include all the homework exercises. Bring this to each class.

NOTE: No one can miss more than 2 classes and receive full credit. EESC116301 counts toward the Environmental Studies Minor.

You will rely heavily on the following two websites for my Environmental Issues and Resources course:
Web Resources
- Instructure Canvas: https://bostoncollege.instructure.com/courses/1283570
- MediKron Website: https://tmkp.bc.edu/galli_environmental/mediakron/welcome

(There are also Web links available at: Environmental Issues and Resources Links: https://www2.bc.edu/kenneth-galli/teaching/ge16301-links.html)

Important Policies
http://www.bc.edu/content/bc/schools/advstudies/guide/academicinteg.html

Written Work
Graduate and undergraduate students are expected to prepare professional, polished written work. Written materials must be typed in the format required by your instructor. Strive for a thorough, yet
concise style. Cite literature appropriately, using APA, MLA, CLA format per instructors decision. Develop your thoughts fully, clearly, logically and specifically. Proofread all materials to ensure the use of proper grammar, punctuation, and spelling. You are encouraged to make use of campus resources for refining writing skills as needed [http://www.bc.edu/libraries/help/tutoring.html].

Scholarship and Academic Integrity
It is expected that students will produce original work and cite references appropriately. Failure to reference properly is plagiarism. Scholastic dishonesty includes, but is not necessarily limited to, plagiarism, fabrication, facilitating academic dishonesty, cheating on examinations or assignments, and submitting the same paper or substantially similar papers 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.

Request for Accommodations
If you have a disability and will be requesting accommodations for this course, please register with either Dr. Kathy Duggan (dugganka@bc.edu), Associate Director, Connors Family Learning Center (learning disabilities or AHD) or Dean Paulette Durrett, (paullette.durrett@bc.edu), Assistant Dean for students with disabilities, (all other disabilities). Advance notice and appropriate documentation are required for accommodations. For further information, you can locate the disability resources on the web at http://www.bc.edu/content/bc/libraries/help/tutoring/specialservices.html.

Attendance
Class attendance is an important component of learning. Students are expected to attend all classes and to arrive by the beginning of and remain for the entire class period. When an occasion occurs that prevents a student from attending class, it is the student’s obligation to inform the instructor of the conflict before the class meets. The student is still expected to meet all assignment deadlines. If a student knows that he or she will be absent on a particular day, the student is responsible for seeing the instructor beforehand to obtain the assignments for that day. If a student misses a class, he or she is responsible for making up the work by obtaining a classmate’s notes and handouts and turning in any assignments due. Furthermore, many instructors give points for participation in class. If you miss class, you cannot make up participation points associated with that class. Types of absences that are not typically excused include weddings, showers, vacations, birthday parties, graduations, etc. Additional assignments, penalties and correctives are at the discretion of the instructor. If circumstances necessitate excessive absence from class, the student should consider withdrawing from the class. In all cases, students are expected to accept the decision of the instructor regarding attendance policies specific to the class.

Consistent with our commitment of creating an academic community that is respectful of and welcoming to 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 the fulfillment of their academic obligations. It is the responsibility of students to review course syllabi as soon as they are distributed and to consult the faculty member promptly regarding any possible conflicts with observed religious holidays. If asked, the student should provide accurate information about the obligations entailed in the observance of that particular holiday. However, it is the responsibility of the student to complete any and all class requirements for days that are missed due to conflicts due to religious holidays.

There may be circumstances that necessitate a departure from this policy. Feel free to contact the WCAS at 617-552-3900 for consultation.
**Deadlines**  
Assignments are due at the beginning of the class period on the specified dates. Late assignments will be graded accordingly.

- No make-up exams will be given.
- An optional 4-page report that connects key points of a chapter from McPhee's book to environmental geological processes and problems may be passed in by anyone on July 16th. An excellent report can make the difference between a B and a B+ or a C- and a C. Maximum possible credit is 5%. Only reports handed in on that date will be counted.
- All must take the final exam at the specified time.

**Course Assignments (readings, exercises and/or experiences)**

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.

In 2015 we continue using MediaKron to enrich our learning environment by incorporating images, text, video, and audio clips in a website to tie our topics in time and space and to compare various aspects of major topics and to allow students 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. Additional homework assignments may be used to allow full integration of this new and exciting educational tool. I will explain more about this when we meet.

We will also be using a Learning Management system called Canvas. We will feature several Virtual Labs within Canvas that will be able to be completed and submitted online! All course Powerpoints will be posted within Canvas > Files > ppts. Our syllabus also will be available online.

**Students are expected to complete the following out of class course assignments:**

Note! This year there will be some Virtual Labs and In-class Exercises as well as or instead of the Homeworks listed below.
Date | Topic | Reading/Exercises/Experiences | Due Date
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6/23/15 | HW 1 Intro to Geologic Materials and Resources demonstrated by Campus Field Trip assessing rocks as building materials. (Trip leaves at 6:25, don't be late!) | Reading: Courespack 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. | (6/25/15)


7/14/15 | Mid-Term Exam (one hour) | Water Pollution Reading: Courespack MediKron: watch Topic 7 Opener and go over figures so you are familiar with them. | 

7/16/15 | Coastal Processes and Hazards | Reading: Courespack MediKron: watch Topic 8 Opener: Hurricane Sandy: Super Storm Slams East Coast States. | 

7/21/15 | Earthquakes, Tsunamis and Their Hazards, Plate Tectonics | Reading: Courespack MediKron: watch Topic 9 Openers. | 


July 30, 2015 | In-Class Final Exam (all must take exams at scheduled time. No exceptions.) |