

CHEM 110 – Environmental Chemistry – Fall 2016

T & R 9:40 – 11:00 (Period B), TOM 101

Instructor: Vivian Ezeh (Tomsich Hall 314, ezevh@kenyon.edu, 17404275355)

Office hours: Mon, Tues & Wed 11 am – noon, Thurs 4 – 5 pm (TOM 103) or by appointment

Our world is made up of chemical species in a delicate balance. In this class, we will learn about the chemical components and dynamics of our environment. We will also explore the effects and/or consequences of modern living and technological advances. Topics include the environmental impact of burning fossil fuels, ozone depletion, the greenhouse effect and the toxicology of heavy metals & pesticides.

Course requirements:

Textbooks: 1) An Introduction to Environmental Chemistry by J. E. Andrews; et. al. 2nd ed.
2) 21st Century Chemistry by K. Waldron.
3) Scientific calculator

Moodle: A Moodle page will be maintained for the course. Visit the page for class notes, readings for class, assignments, announcements etc.

Assessment: Final grades for the class will be based upon your mastery of the materials and your demonstration of that ability on all assignments. Letter grades at the end of the semester will be assigned using the following scale: A+, A, A-: 100 – 86%; B+, B, B-: 85 – 76%; C+, C, C-: 75 – 66%; D+, D, D-: 65 – 50%; F: < 50%. The instructor reserves the right to assign whatever final grade is deemed appropriate. Grades will be based on the following distribution:

Participation	10%	Reflection	10%
Homework sets and Quiz	10%	Exam 1	25%
Exam 2	25%	Final exam	20%

Participation: In the first half of the semester (before exam 1), the participation exercise is to collate and share stories of technological advancement that are beneficial to the environment. To participate, individuals or teams (max = 3) should submit a link to their story on the Moodle site and give a brief summary of the story in class. Activities that will count as participation in the second half of the course will be decided after the half semester evaluation.

Reflection: In this exercise you would investigate and present an environmental topic that you are curious about. Choice of topic (09/15), brainstorm presentation ideas with me (10/18) and presentation date (11/17).

Homework sets & Quiz: Practice questions will be assigned after most class as a study aid but will not be graded. To check that you understand the concepts there will be a 10 min quiz on the following dates: 09/06, 09/13, 09/20, 09/27, 10/18, 10/25, 11/01, 11/08.

Exams: There will be two in-class exams on Oct 4th and Dec 1st. The exam will take place during our class period and will cover materials learned up to that point.

This syllabus is subject to change. Any changes will be communicated either verbally in class or via email.

Final exam: A cumulative final exam will take place on **Dec 16th 2016** from 8:30 – 10:30 am. The exam can only be rescheduled with the permission of the Associate Provost, plan accordingly.

MSSC: The Math-Science skill center is open S, T & R 7-10 pm.

Important class policies:

Attendance: Attendance at all class meeting is expected. Excessive and unexplained absences will lead to a lower grade and could result in dismissal from the course. Please, inform me if you must miss a class and make appropriate arrangements to stay current with the course. If you must miss class for excused absence such as family or medical emergency or a scheduled sporting event, inform the Dean of academic advising and me as soon as possible. To be considered for extension on academic work, a notice from the Dean will be required.

Excused absence: A make-up of midterm exam or extension on assignments will be granted if you are ill and your name appears on the *Excused Absence List* from the Dean's office. If your participation in athletics or extra-curricular activities conflicts with midterm exams or an assignment due date, please inform me as soon as possible. Arrangements will be made for you to submit your assignment or write your exam before your absence.

Academic accommodation: Students who anticipate they may need accommodation in this course because of the impact of a learning, physical or psychological disability are encouraged to contact Erin Salva (salvae@kenyon.edu, 740-427-5453), Director of Student Accessibility and Support Services. Early contact will help avoid unnecessary inconvenience and delays.

Academic Honesty: All work turned in for credit must adhere to the principles of academic integrity (see Academic Honesty and Questions of Plagiarism in the Course Catalog). Copying colleague's texts, not citing source materials are examples of incidences that could potentially violate academic integrity. Potential violations will be forwarded to the Academic Infractions Board for adjudication, as is required by University policy. If the ethical implication of any situation is not clear, do ask me for clarification.

Bias/Discrimination/Harassment: Kenyon College seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault we encourage you to report this. If you report this to a faculty member, she or he must notify our college's Title IX coordinator about the basic facts of the incident (you may choose whether you or anyone involved is identified by name). For more information about your options at Kenyon, please go to: <http://www.kenyon.edu/directories/offices-services/title-ix/sexual-assault-and-harassment/>