

Environmental Chemistry I

Syllabus Fall 2019

ESM 230

Instructor: Dr. Alex Brewer

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Office Hours: MWF 11-12

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Required Materials: No required textbook, a chemistry dictionary and periodic table are *highly* recommended (Good example is: Oxford dictionary of Chemistry 6th ed. 2008). you are required to have a notebook and a pencil

Teaching Assistants: Elissa Connolly-Randazzo (F 2-3), Kimberly Brown (R 4-5), Max Gersh (R 5:15-6:15).

Course Description

Environmental chemistry I is an introduction to chemistry, which is designed to give students a foundation of general chemistry principles. Given the general chemistry focus, students will learn about topics such as the properties of matter, measurements, unit conversions, atomic theory, bonding, formulas, stoichiometry, and gases. Examples that highlight the importance of learning these topics will be discussed in an environmental chemistry context. Some major course learning objectives include; being able to convert units properly, understanding atomic structure, periodic table, reaction types, and bonding. Students must also be registered and attend the ESM 230 recitation session to complete this course.

Evaluation and Grading

Evaluation will be based on a mixture of homework assignment, quizzes, and two exams. The point distribution is shown below.

Homework = 200 pts (5, 40 pts each)

Quizzes = 300 pts (5, 60 pts each)

Midterm = 250 pts (1)

Final = 250 pts (1)

Total Points = 1000

Academic Dishonesty

Plagiarism or academic dishonesty of any form is not allowed and will result in a failing grade. For more information, please see Portland State University's Bulletin information on Academic Honesty. Conduct yourself with honor.

Grading Scale

A 94 – 100	B+ 87 – 89	C+ 77 – 79	D+ 67 – 69
A- 90 – 93	B 83 – 86	C 73 – 76	D 63 – 66
	B- 80 – 82	C- 70 – 72	D- 60 – 62

Access and Inclusion for Students with Disabilities

PSU values diversity and inclusion; we are committed to fostering mutual respect and full participation for all students. My goal is to create a learning environment that is equitable, useable, inclusive, and welcoming. If any aspects of instruction or course design result in barriers to your inclusion or learning, please notify me. The Disability Resource Center (DRC) provides reasonable accommodations for students who encounter barriers in the learning environment.

If you have, or think you may have, a disability that may affect your work in this class and feel you need accommodations, contact the Disability Resource Center to schedule an appointment and initiate a conversation about reasonable accommodations. The DRC is located in 116 Smith Memorial Student Union, 503-725-4150, drc@pdx.edu, <https://www.pdx.edu/drc>.

- If you already have accommodations, please contact me to make sure that I have received a faculty notification letter and discuss your accommodations.
- Students who need accommodations for tests and quizzes are expected to schedule their tests to overlap with the time the class is taking the test.
- Please be aware that the accessible tables or chairs in the room should remain available for students who find that standard classroom seating is not useable.
- For information about emergency preparedness, please go to the Fire and Life Safety webpage (<https://www.pdx.edu/environmental-health-safety/fire-and-life-safety>) for information.

Title IX Reporting

As an instructor, one of my responsibilities is to help create a safe learning environment for my students and for the campus as a whole. We expect a culture of professionalism and mutual respect in our department and class. You may report any incident of discrimination or discriminatory harassment, including sexual harassment, to either the Office of Equity and Compliance or the Office of the Dean of Student Life.

Please be aware that as a faculty member, I have the responsibility to report any instances of sexual harassment, sexual violence and/or other forms of prohibited discrimination. If you would rather share information about sexual harassment or sexual violence to a confidential employee who does not have this reporting responsibility, including an Interpersonal Violence Advocate at the Women's Resource Center or the Queer Resource Center. You may contact a confidential advocate by calling 503-725-5672. This Sexual Misconduct Website provides a complete of those confidential employees and off campus resources.