

ENST 2600 - Foundations of Environmental Science

Fall 2026 Syllabus, Section 02, CRN 41124,

Credit hours: 3

Instructor

Alice Kwarteng

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Public Instructor Information

Instructor Title: Part Time Faculty

Instructor Professional Qualifications: M.S. Environmental Science, Youngstown State University

B.S. Chemical Engineering, Kwame Nkrumah University of Science and Technology

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Course Description

2600. Foundations of Environmental Science. A survey of the principles and issues of environmental studies including basic ecology, biodiversity, hazardous and solid waste management, sustainable development, energy production and conservation, environmental ethics, air, water and soil pollution. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Revel for A Changing Planet, 2nd Edition	Neff, Jason	9780136783183

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Schedule of Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Tue	8/25	Background and Introduction Chapter 1	The Science of Sustainability	
Thu	8/27	Chapter 2	Environmental Policy	
Tue	9/1	Chapter 3	Economic and Values	
Thu	9/3	Module 1 Chapter 20	Science Fundamentals	
Tue	9/8		Ch 1-3 Quiz	
Thu	9/10	Video	Documentary Quiz	
Tue	9/15	Homework	Eco Footprint Homework	
Thu	9/17	Exam		All homework, quizzes, and exam are due at the end of Module 1
Tue	9/22	Module 2 Chapter 4	Biodiversity and Evolution	
Thu	9/24	Chapter 5	Populations and Communities	
Tue	9/29	Chapter 6	Ecosystems and Biomes	
Thu	10/1	Chapter 12	Human Populations	

Tue	10/6		Ch 4-6 quiz	
Thu	10/8	Video	Strange Days on Planet Earth	
Tue	10/13	Homework	Dasgupta Economics	
Thu	10/15	Exam		All homework, quizzes, and exam are due at the end of Module 2
Tue	10/20	Module 3 Chapter 7	Biogeochemical Cycles	
Thu	10/22	Chapter 8	Freshwater	
Tue	10/27	Chapter 9	The Atmosphere and Air Pollution	
Thu	10/29	Chapter 10	Oceans	
Tue	11/3	Kalmus Reading	Ch 8-10 quiz	
Thu	11/5	Video	What Lies Upstream	
Tue	11/10	Homework	Flint water	
Thu	11/12	Exam		All homework, quizzes, and exam are due at the end of Module 3
Tue	11/17	Module 4 Chapter 11	Climate	
Thu	11/19	Chapter 13 Chapter 14 Chapter 15	Land Use Agriculture Waste Management	
Tue	11/24		Ch 11-15 quiz	
Thu	11/26	Video Homework Exam	Kiss The Ground TBD	All homework, quizzes, and exam are due at the end of Module 4
Tue	12/1	Module 5 Chapter 16 Chapter 17	Human Health & the Environment Energy Use	
Thu	12/3	Chapter 18 Chapter 19	Nonrenewable energy Renewable energy	
Tue	12/8	Kalmus Reading	Ch quiz 16-19	
Thu	12/10	Video Homework Exam	Chasing Coral America's Radioactive Secret	All homework, quizzes, and exam are due at the end of Module 5

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.