

ENST 1500 - Introduction to Environmental Science

Fall 2026 Syllabus, Section 04, CRN 41523,

Credit hours: 3

Public Instructor Information

Instructor Name: Daniel Kuzma

Instructor Professional Qualifications: Master's, Environmental Science, Youngstown State University (2008); Bachelor's, Environmental Science, Youngstown State University (2004).

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Course Description

1500. Introduction to Environmental Science. Basic environmental science literacy for informed citizens as inhabitants and stewards of Earth. The use of science and the scientific method to understand, assess, and manage the environment to improve human health, conserve energy and resources, preserve nature, and sustain quality of life. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Environmental Science	Miller, G. T., Spoolman, S., & Andrews-Brown, D.M.	9780357976319

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

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1 Chapter 2	The Environment and Sustainability Science, Matter, Energy, and Systems	Due 8/28 at 11:59pm: lms_1777491_1
8/31	Chapter 3	Ecosystems: What Are They and How Do They Work?	Due 9/4 at 11:59pm: lms_1777484_1
9/7	Chapter 4	Biodiversity and Evolution	Due 9/11 at 11:59pm: lms_1777485_1
9/14	Chapter 5	Species Interactions, Ecological Succession, and Population Control	Due 9/18 at 11:59pm: lms_1777486_1
9/21	Chapter 6	The Human Population and Urbanization	Due 9/25 at 11:59pm: lms_1777487_1
9/28	Chapter 7	Climate and Ecosystem Biodiversity	Due 10/2 at 11:59pm: lms_1777488_1
10/5	Chapter 8 Chapter 9	Sustaining Biodiversity: Saving Species Sustaining Biodiversity: Saving Ecosystems	Due 10/9 at 11:59pm: lms_1777489_1
10/12	Chapter 10	Food Production and the Environment	Due 10/16 at 11:59pm: lms_1777490_1
10/19	Chapter 11	Water Resources and Water Pollution	Due 10/23 at 11:59pm: lms_1777502_1
10/26	Chapter 12	Geology and Nonrenewable Mineral Resources	Due 10/30 at 11:59pm: lms_1777504_1
11/2	Chapter 13	Energy Resources	Due 11/6 at 11:59pm: lms_1777505_1

11/9	Chapter 14	Environmental Hazards and Human Health	Due 11/13 at 11:59pm: Ims_1777507_1
11/16	Chapter 15	Air Pollution, Climate Change, and Ozone Depletion	Due 11/20 at 11:59pm: Ims_1777508_1
11/23	No Assigned Reading		No Assigned Quiz or Exam
11/30	Chapter 16 Chapter 17	Solid and Hazardous Waste Environmental Economics, Politics, and World Views	Due 12/4 at 11:59pm: Ims_1777509_1
12/7	No Assigned Reading		Due 12/11 at 11:59pm: Ims_1777603_1

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.