

ENST 1500L - Introduction to Environmental Science Lab

Fall 2026 Syllabus, Section 05, CRN 40996,

Credit hours: 1

Instructor

Geoffrey Ombongi

Email: goombongi@student.ysu.edu

Public Instructor Information

Instructor Title:TA

Instructor Professional Qualifications:M.S Environmental science (Expected 2028), Youngstown State University, B.S. Public Health,2018, Jaramogi

Oginga Odinga University of Science and Technology

Instructor Office Location: Moser Hall 0078

Instructor Office Phone: 330 941 3612

Course Description

1500L. Introduction to Environmental Science Lab. The use of the scientific method to explore various fields in environmental science including water quality, risk assessment, biodiversity and mineral uses. This field and laboratory work supplements ENST 1500. Prereq. or concurrent: ENST 1500. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Introduction to Environmental Science (3rd Revision)	F. Armstrong	9781524987176

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

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.

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Tue	8/25	Lab Manual	Scientific Method and Taking Measurements (10pts)	Handout Submission
Tue	9/1	Lab Manual	Minerals and Their Uses (10 pts)	Handout Submission
Tue	9/8	Lab Manual	Groundwater (10pts)	Handout Submission
Tue	9/15	Lab Manual	Classes Converted to Online	Handout Submission
Tue	9/22	Lab Manual	Acid Mine Drainage (10pts)	Handout Submission
Tue	9/29	Lab Manual	Bacteria 1 (8pts)	Handout Submission
Tue	10/6	Lab Manual	Bacteria 2 (2pts) Risk Assessment (10pts)	Handout Submission
Tue	10/13	Lab Manual	Biodiversity (10pts)	Handout Submission
Tue	10/20	Lab Manual	Fall Break	Handout Submission
Tue	10/27	Lab Manual	Recycling at YSU (5pts) Diverting Waste (10)	Handout Submission
Tue	11/3	Lab Manual	Cleaning Up Oil (10pts)	Handout Submission
Tue	11/10	Lab Manual	Topographic Maps and GPS (10pts)	Handout Submission
Tue	11/17	Lab Manual	Water Quality 1 (9pts)	Handout Submission
Tue	11/24	Lab Manual	Water Quality 2 (1pt) Wetlands (10pts)	Handout Submission

Tue	12/1	Lab Manual	Monday Lab: Groundwater Review for Final	Handout Submission
Tue	12/8	Lab Manual	ENST 1500 Lab Final (TBA Blackboard)	Handout Submission

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