

ENST 1500L - Introduction to Environmental Science Lab

Fall 2026 Syllabus, Section 10, CRN 41010,

Credit hours: 1

Instructor

Andy Afari Boateng

Email: aaboateng@student.ysu.edu

Public Instructor Information

Instructor Title:TA

Instructor Professional Qualifications:M.S. Environmental Science (Expected 2028), Youngstown State University B.S. Environmental Science, 2023, Kwame Nkrumah University of Science and Technology

Instructor Office Location:Moser Hall 2098

Instructor Office Phone:

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.

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
Thu	8/27	Lab Manual	Scientific Method and Taking Measurements (10pts)	Handout Submission
Thu	9/3	Lab Manual	Minerals and Their Uses (10 pts)	Handout Submission
Thu	9/10	Lab Manual	Groundwater (10pts)	Handout Submission
Thu	9/17	Lab Manual	Classes Converted to Online	Handout Submission
Thu	9/24	Lab Manual	Acid Mine Drainage (10pts)	Handout Submission
Thu	10/1	Lab Manual	Bacteria 1 (8pts)	Handout Submission
Thu	10/8	Lab Manual	Bacteria 2 (2pts) Risk Assessment (10pts)	Handout Submission
Thu	10/15	Lab Manual	Biodiversity (10pts)	Handout Submission
Thu	10/22	Lab Manual	Recycling at YSU (5pts) Diverting Waste (10)	Handout Submission
Thu	10/29	Lab Manual	Recycling at YSU (5pts) Diverting Waste (10)	Handout Submission
Thu	11/5	Lab Manual	Cleaning Up Oil (10pts)	Handout Submission
Thu	11/12	Lab Manual	Topographic Maps and GPS (10pts)	Handout Submission

Thu	11/19	Lab Manual	Water Quality 1 (9pts)	Handout Submission
Thu	11/26	Lab Manual	Water Quality 2 (1pt) Wetlands (10pts)	Handout Submission
Thu	12/3	Lab Manual	Monday Lab: Groundwater Review for Final	Handout Submission
Thu	12/10	Lab Manual	ENST 1500 Lab Final (TBA Blackboard)	Handout Submission

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.