

ENST 6905 - Teaching Methods in Geology and Environmental Science

Fall 2026 Syllabus, Section 01, CRN 41108,

Credit hours: 2

Instructor

Felicia Armstrong

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Alice Kwarteng

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Public Instructor Information

(1) Instructor Title: Professor

Instructor Professional Qualifications: PhD (Environmental) Soil Science, Oklahoma State University, 2003; MS, Plant & Soil Science, Alabama A&M University, 1996; BS, Biology, University of Dayton, 1987.

Qualified Environmental Professional (QEP), 2015, Board for Global EHS Credentialing (BGC)

Instructor Office Location: 2120 Moser Hall

Instructor Office Phone: 330-941-1385 or 330-941-3612

(2) 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

Instructor Office Location: 2130 Moser Hall

Instructor Office Phone: 330-941-3611

Course Description

6905. Teaching Methods in Geology and Environmental Science . A required course for all Department of Geological and Environmental Sciences graduate teaching assistants. This course will provide guidance and instruction in teaching introductory laboratories in the department. 2 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Introduction to Environmental Science Lab	Armstrong, Felicia	9798385133604

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	Proposed Topic	Due/To Prepare for Class
8/24	Scientific Method and Measurements	
8/31	Minerals and Their Uses	
9/7	Groundwater	
9/14	Photosynthesis	
9/21	Bacteria 1	
9/28	Bacteria 2 Topo Maps and GPS	

10/5	Biodiversity
10/12	Recycling at YSU Diverting Waste
10/19	Water Quality 1
10/26	Water Quality 2 Wetlands
11/2	Cleaning Up Oil
11/9	Acid Mine Drainage
11/16	Prepare Make Up Labs Review for Final
11/23	Prep Lab Exam W-F, No Class, Thanksgiving Holiday
11/30	Lab Final
12/7	Finalize Grades

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.