

CCET 3714L - Soil Mechanics Laboratory

Fall 2026 Syllabus, Section 01, CRN 43135,

Credit hours: 1

Instructor

Jordan Truelsch

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Public Instructor Information

Instructor Title: Adjunct Professor

Instructor Professional Qualifications: Bachelor of Science in Applied Science in Civil and Construction Engineering Technology from Youngstown State University (May 2, 2026), Engineer-in-Training (EIT) (August 12, 2026)

Instructor Office Location: Moser Hall - 4120

Instructor Office Phone: (330) 941-3287

Course Description

3714L. Soil Mechanics Laboratory. Practice in soil identification and determination of soil properties. Use and care of basic soil testing equipment and standard test procedures. Three laboratory hours per week. Concurrent with CCET 3714. 1 s.h.

Course Readings

Group	Title	Author	ISBN
No Readings			

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

Day	Date	Proposed Topic	Due/To Prepare for Class
Tue	8/25	Introduction to Soils	
Tue	9/1	Moisture Content Lab	
Tue	9/8	Specific Gravity Lab	
Tue	9/15	Liquid Limit & Plastic Limit Lab	
Tue	9/22	Grain Size Analysis Lab	
Tue	9/29	Moisture-Density (Standard Method) Pt 1	
Tue	10/6	Moisture-Density (Standard Method) Pt 2	
Tue	10/13	Moisture-Density (Modified Method) Pt 1	
Tue	10/20	Moisture-Density (Modified Method) Pt 2	
Tue	10/27	Consolidation Test	
Tue	11/3	Unconfined Compression Test	
Tue	11/10	Triaxial Compression Test	
Tue	11/17	Direct Shear Test	
Tue	11/24	No Class	
Tue	12/1	Final Exam Review	
Tue	12/8	Final Exam	

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.