

CCET 2614L - Materials Laboratory 1

Fall 2026 Syllabus, Section 02, CRN 40814,

Credit hours: 2

Instructor

Robert Korenic

Email: rjkorenic@ysu.edu

Public Instructor Information

Instructor Title: Professor

Instructor Professional Qualifications:

Master of Science in Civil Engineering, Youngstown State University, 1999

Bachelor of Engineering in Civil Engineering, Youngstown State University, 1997

Instructor Office Location: Moser Hall Room 4132

Instructor Office Phone: 330-941-3288

Course Description

2614L. Materials Laboratory 1. Use and care of testing equipment, data retrieval, data reduction and report preparation. Physical testing of metals, concrete, aggregates, asphalts, soils and woods. Three hours per week. Prereq or concurrent: CCET 2604. 1-2 s.h.

Course Readings

Group	Title	Author	ISBN
	No Readings		

There are no required readings for this course.

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
8/25	Intoduction with tensile lecture	
9/1	Tensile lab	
9/8	Hardness lab: Three methods with 3 samples	
9/15	Charpy Impact Energy Lab with 5 temperatures	
9/22	Soils Sieve Analysis lab	
9/29	Concrete lab preparation	
10/6	Concrete lab: Water/Cement ratio and curring - two mixes	
10/13	Break 7 Day curred samples & calculations	
10/20	Break 14 Day curred samples	
10/27	Break 21 Day curred samples	
11/3	Concrete lab calculations & graphs work session	
11/10	Concrete lab calculation working session	
11/17	Wood bending lab lecture	
11/24	Wood bending lab	

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.