

CEEN 2610L - Surveying Laboratory

Fall 2026 Syllabus, Section 02, CRN 43000,

Credit hours: 1

Instructor

Barsha Neupane

Email: bneupane11@student.yzu.edu

Public Instructor Information

Graduate Teaching Assistant

Email: bneupane11@student.yzu.edu

Phone: 330-941-3027

Course Description

2610L. Surveying Laboratory. Field surveying principles and techniques. Uses of transit and level are stressed. Three laboratory hours per week.

Coreq.: CEEN 2610. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	YSU Manual for Surveying Laboratory	YSU CEEN	
Required	Field Notebook	Various	
Optional	Surveying Fundamentals and Practice	Nathanson, Lanzafama, and Kissam	

1. YSU Manual for Surveying Laboratory (**Required**)
2. Field notebook (approximately 4.5" x 7.5") (**Required**)
3. Additional reference (course textbook): *Surveying Fundamentals and Practice* by Nathanson, Lanzafama, and Kissam, 7th Edition. Pearson, 2018.

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	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Lab Manual Introduction Week 2	Course Introduction Field Book Arrangement Taping Measurements	Purchase field notebook. Read lab 1 & 2 information in Lab Manual Imslms_1782713_1 Imslms_1782714_1 Imslms_1782715_1 Quiz 1 due
8/31	Week 3	Electronic Distance Measurements	Imslms_1782716_1 Imslms_1782717_1 Read lab 3 information in Lab Manual Quiz 2 due
9/7	Week 4	Differential Leveling	Imslms_1782718_1 Imslms_1782719_1 Read lab 4 information in Lab Manual Quiz 3 due

9/14	Week 5	Horizontal and Vertical Angle Measurements	Imslms_1782720_1 Imslms_1782721_1 Read lab 5 information in Lab Manual Quiz 4 due
9/21	Week 6	Total Station Traverse Survey	Read lab 6 information in Lab Manual Quiz 5 due
9/28	Week 7	Topographic Survey	Imslms_1782722_1 Imslms_1782723_1 Quiz 6 due Read lab 7 information in Lab Manual
10/5	Week 8	Two-Peg Test (Level Check)	Imslms_1782724_1 Imslms_1782725_1 Read lab 8 information in Lab Manual Quiz 7 due
10/12	Week 9	Innovation Lab	See Blackboard for details
10/19	Week 10	Course Project Introduction	Read project information on Blackboard
10/26	Week 11	Course Project	Work on course project
11/2	Week 12	Course Project	Work on course project
11/9	Week 13	Course Project	Work on course project
11/16	Thanksgiving Break		No Class
11/23	Week 15	Course Project Due	Imslms_1782726_1 Imslms_1782727_1 Imslms_1782728_1 Final projects due Participation evaluations due
11/30	Finals Week: No class		

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