

EET 4895 - Independent Engineering Technology Project

Fall 2026 Syllabus, Section 01, CRN 43918,

Credit hours: 4

Instructor

Jason Zapka

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Public Instructor Information

Instructor Title: Associate Professor

Instructor Professional Qualifications: M.S., Electrical Engineering, Youngstown State University, 2010; B.E., Electrical Engineering, Youngstown State University, 1998

Instructor Office Location: Moser Hall Room 4104

Instructor Office Phone: (330)-941-3816

Course Description

4895. Independent Engineering Technology Project. Individual study under direction of a faculty member. Written and oral report required. May be repeated for a maximum of 4 s.h. Junior standing and consent of instructor. 1-4 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

Week of	Proposed Topic	Due/To Prepare for Class
8/24	Project Review	
8/31	Panel Layout and Bill of Materials	Due 9/2 before 11:59:31pm: Week#1 Progress Report
9/7	Panel Layout and Bill of Materials	Due 9/9 before 11:59:31pm: Week #2 Progress Report Due 9/9 at 11:59pm: Panel Layout & Bill of Materials
9/14	One-line and Electrical Drawings	Due 9/16 before 11:59:31pm: Week #3 Progress Report
9/21	One-line and Electrical Drawings	Due 9/23 before 11:59:31pm: Week 4 Progress Report Due 9/23 at 11:59pm: One-Line Diagram, Electrical power schematics, Electrical control & I/O schematics
9/28	Build and configure	Due 9/30 before 11:59:31pm: Week 5 Progress Report
10/5	Build and configure	Due 10/7 before 11:59:31pm: Week 6 Progress Report

10/12	Build and configure	Due 10/14 at 11:59pm: PLC, HMI, and I/O configuration and setup instructions Due 10/14 before 11:59:31pm: Week 7 Progress Report
10/19	PLC & HMI Functions	Due 10/21 before 11:59:31pm: Week 8 Progress Report
10/26	PLC & HMI Functions	Due 10/28 at 11:59pm: PLC program and HMI screens flowcharting & Function Due 10/28 before 11:59:31pm: Week 9 Progress Report
11/2	Final Design Approval	Due 11/4 before 11:59:31pm: Week 10 Progress Report
11/9		Due 11/11 before 11:59:31pm: Week 11 Progress Report
11/16		Due 11/18 before 11:59:31pm: Week 12 Progress Report
11/23		Due 11/25 at 11:59pm: Final Report Due 11/25 before 11:59:31pm: Week 13 Progress Report
11/30	Final Presentation	Due 12/2 before 11:59:31pm: Final Progress Report Due 12/4 at 5pm: Final Presentation
12/7		Due 12/6 at 11:59pm: Individual Contribution

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.