

MECH 4808L - Mechanical Systems Design Laboratory

Fall 2026 Syllabus, Section 03, CRN 41190,

Credit hours: 1

Instructor

Anthony Viviano

Email: avviviano@ysu.edu

Public Instructor Information

Instructor Title: Anthony Viviano, P.E.

Instructor Professional Qualifications:

Professional Engineers License PE.72316

Consulting, VECOR, LLC.

Master's, Mechanical Engineering, Youngstown State University

Bachelor's, Mechanical Engineering, Youngstown State University

Instructor Office Location: Moser 2530

Instructor Office Phone: (330) 941-3017

Course Description

4808L. Mechanical Systems Design Laboratory. Supplemental activities related to MECH 4808, such as discussion and seminars on industry practices and standards, computer software applications, experimental verification, etc. Three hours laboratory per week. Must be taken concurrently with MECH 4808. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	Engineering Design, 6th Edition	Dieter	978-1260113297

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
Fri	8/28	Design Update	
Fri	9/4	Design Update	Notebook Check
Fri	9/11	Design Update	
Fri	9/18	Design Update	Notebook Check
Fri	9/25	Design Update	
Fri	10/2	Design Update	Notebook Check
Fri	10/9	Design Update	Project Management Presentation
Fri	10/16	Design Update	Notebook Check
Fri	10/23	Design Update	
Fri	10/30	Design Update	Notebook Check
Fri	11/6	Design Update	
Fri	11/13	Design Update	Notebook Check
Fri	11/20	Design Update	
Fri	11/27		

Fri	12/4	Design Update	Project Concept Presentation
Fri	12/11		Technical Presentation

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.