

MECH 1560 - Engineering Communication with CAD

Fall 2026 Syllabus, Section 02, CRN 43361,

Credit hours: 2

Instructor

Anthony Viviano

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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 Hall 2530

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Course Description

1560. Engr Communication with CAD. Commercially available software typically used in engineering practice will be used to develop traditional 2D engineering drawings and 3D solid models representing engineering components and systems. Teams of students will complete an engineering design project. One hour lecture and three hours laboratory per week. Prereq.: ENGR 1550. 2 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Engineering Graphics Text and Workbook	Craig and Craig	

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	Orthographic Projection	
8/31	Normal Surfaces Inclined Surfaces	HW Due
9/7	Oblique Surfaces	HW Due
9/14	Cylindrical Surfaces	HW Due
9/21	Isometric views Section views	HW Due
9/28	SolidWorks Basics	Test
10/5	SW - Parts	HW Due
10/12	SW - Parts	HW Due
10/19	SW - Parts	HW Due
10/26	SW - Parts	HW Due
11/2	SW - Assemblies	Test



11/9	SW - Assemblies	HW Due
11/16	SW - Assemblies	HW Due
11/23	SW - Drawings	HW Due
11/30	SW - Drawings	Test
12/7		Project Due

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.