



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Fundamentals of Engineering for Transfer - CAD

ENGR 1186.01

Credit Hours:

1.50 - 1.50

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Introduction to 3D visualization and CAD; written, oral and visual communications.

Course Goals / Objectives:

- Be able to visualize and present objects and systems in three-dimensions
 - Have a basic proficiency with a modern CAD tool (Autodesk-Inventor)
 - Develop professional skills for success in engineering, including written, oral, and visual communications
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Course Topics:

- Introduction to Course and Overview
 - Visualization of 3-D Objects (Sketching, Pictorials, & Orthographics)
 - Construction of 3-D Objects with CAD
 - Standard Views and Presentations of Objects
 - Assembly and Presentation of Systems
 - Conventions and Standards (Dimensioning, Tolerance, Sections)
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Designation:

Required