

Course Title: Computer Aided Drawing	Course Code: ME-211	Credit Hrs: 0+1
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Textbook:

1. R. Lal, R. Rana, A Textbook of Engineering Drawing: Along with an Introduction to AutoCAD.

Reference Books:

2. T. Jeyapoovan, Engineering Drawing and Graphics Using AutoCAD.
3. Z. A. Siddiqui, M. Ashraf and S.A. Siddiqui. Basics of Engineering Drawing
4. D. A. Jolhe, Engineering Drawing with an introduction to AutoCAD

Course Objective:

CAD (Computer-Aided Design) refers to the use of computer software to create and modify designs for products and components. It enables engineers and designers to generate precise 2D and 3D models, simulate real-world conditions, and optimize designs before production, enhancing efficiency and accuracy in engineering and manufacturing processes.

Course Outline:

- Introduction to CAD • 2D Drafting
- 3D Modeling of Machine Elements (Part and Assembly) • Mechanisms and assembly

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester ASSESSMENTS Exam	40-50%