M E 427: Kinematic Analysis and Synthesis

MECHANICAL ENGINEERING

Lectures introduce the kinematic design of mechanisms such as linkages, cams, gears and gear trains; motion of such mechanisms, their velocities and accelerations are analyzed by graphical, analytical, and computer-aided design methods of synthesis and optimization. Lecture and projects.

4 Credits

Prerequisites

- M E 324: Introduction to Mechanical Design $target.descriptions.MinimumGrade$
- Pre-Requisite: 24 Earned Hours

One-way corequisites

- Engr 330: Engineering Systems Analysis and Design

Instruction Type(s)

- Lecture: Lecture for M E 427

Subject Areas

- Mechanical Engineering