

## **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](#)

