

## **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](#)
- 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](#)

