

ENGR-336 : Mechanical Design and Manufacturing With CAD

Application of engineering principles and material mechanics to the design of mechanical elements, such as shafts, gears, bearings, belts, springs, brakes, clutches, and fasteners. Includes failure criteria and safety factors, fatigue, deflection and impact. Design and manufacturing of mechanical systems carried out on a CAD/CAM system. Projects will be designed in 3D modeling program (eg, SolidWorks). 2 hours of lecture, 2 hours of lab. Offered alternate years.

Credits 3

Prerequisites

ENGR-102; PHYS-221 (minimum grade C-)

Term Offered

Spring Only

Session Cycle

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