MECH 546. FINITE ELEMENT METHODS IN SOLID MECHANICS.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Discrete systems; variational formulation and approximation for continuous systems; direct and variational methods of element formulation in 1- 2- and 3 dimensions; formulation of isoparametric finite elements; plate and shell elements; finite element method for static analysis, vibration analysis and structural dynamics; introduction to nonlinear problems.

- · (3-0-6)
- Prerequisites: MECH 315 or MECH 419, and MECH 321, or instructor's permission.
- · Restriction: Not open to students who have taken MECH 645.

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