

Engr 590: Finite Element Analysis I School of Engineering

Introduction to the finite element method; formulation of linear BVP arising in engineering analysis; solution of model problems in 1D and 2D; shape functions and numerical integration; element formulations; applications in solid and fluid mechanics.

Prerequisites

Math 353: Elementary Differential Equations
Prerequisite: Math 353 or graduate standing

Instruction Type(s)

• Lecture: Lecture for Engr 590

• Lecture: Web based lecture for Engr 590

Subject Areas

• Engineering, General

• Civil Engineering, General

• Mechanical Engineering

