THE UNIVERSITY of MISSISSIPPI

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.
3 Credits

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