Instructor: Prof. Kumar Vemaganti
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http://www.min.uc.edu/~kumar/

Course page: http://blackboard.uc.edu

Textbook: Finite Element Analysis – Theory & Applications with ANSYS

Goals: To study the fundamentals of the finite element method.

Class: TH 11:00 – 12:15, 548 Baldwin

TA: Mr. Firoz Ali Jafri (jafrifs@yahoo.com)

Office hours: Mr. Jafri: See blackboard.
Prof. Vemaganti: 1:00 – 3:00 Tuesday, Thursday; 629 Rhodes.

Topics: (1) FEM modeling and analysis techniques.
(2) Plate and shell elements.
(3) 3-D solid elements.
(4) FEM in structural vibration and dynamics.
(5) FEM in thermal analysis.
(6) Use of FE software ANSYS.

Grading: 60%: Homework assignments
30%: Final project
10%: Class participation, final presentation (last week of quarter)

Policies & other info (a) Class attendance and participation are highly recommended.
(b) Late work will be accepted for two days after the due date (20% penalty).
(c) Assignments take time. Please plan ahead.
(d) Unless otherwise stated, all work is to be done independently.