EGFD 706-001: Finite Element Techniques - II
Winter Quarter 2002

Instructor: Dr. Kumar Vemaganti, Assistant Professor of Mechanical Engng.
629 Rhodes, 556-2728, Kumar.Vemaganti@uc.edu,
http://www.min.uc.edu/~kumar/

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

Textbook: Concepts and Applications of Finite Element Analysis

Goals: To further study the fundamentals of the finite element method,
with an emphasis on 2-D & 3-D problems in structural mechanics.

Class: TH 11:00 – 12:15, 645 Baldwin

TA: Mr. Bangyong Keum (keumb@email.uc.edu)

Office hours: Mr. Keum: 2:00 – 4:00 Monday, Wednesday; 591 Rhodes.
Dr. Vemaganti: 1:00 – 3:00 Tuesday, Thursday; 629 Rhodes.

Prerequisites: Differential Equations, Strength of Materials.

Topics: (1) Displacement-based elements
(2) Straight-sided triangles and tetrahedra
(3) Isoparametric formulation
(4) Plates and shells
(5) Topics in structural mechanics

Grading: 50%: Lab assignments
20%: Homework
30%: Final exam

Policies & other info (a) Class attendance and punctuality are highly recommended.
(b) Late work will not be accepted.
(c) Lab assignments and homeworks take time. Please plan ahead.
(d) Unless otherwise stated, all work is to be done independently.