

Course Schedule - Spring 2006

Electrical and Computer Engineering

307 ***Techniques for Engin Decisions*** Credit: 3 hours.

The course is concerned with the modeling of decisions in engineering work and the analysis of models to develop a systematic approach to making decisions. The course aims to teach students to think structurally about decision-making problems. Fundamental concepts in linear and dynamic programming, probability theory, and statistics serve as the mathematical basis for the development of techniques for solving typical problems faced in making engineering decisions in industry and government. Topics include resource allocation, logistics, scheduling, sequential decision making, siting of facilities, investment decisions, application of financial derivatives, and other problems for decision making under uncertainty. Extensive use of case studies from actual industrial applications gets students involved in real-world decisions. Prerequisite: ECE 210; credit or concurrent registration in ECE 413 or equivalent.

CRN	Type	Section	Time	Days	Location	Instructor
39322	lecture	G	10:00 AM - 11:20 AM	TR	room 245 Everitt Elec and Comp Engr Lab	Gross, G
39322: 3 hours						