Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Industrial and Systems Engineering.

2. Course prefix, number and complete title of course: ISEN 669 Software Tools for Stochastic Decision Support Analysis

3. Course description (not to exceed 50 words): Overview of stochastic decision analysis; focus on Palisade Corporation’s Decision Tools Suite of Excel add-in macros; topics include sensitivity analysis of Excel models, decision tree construction and analysis, and simulation within Excel.

4. Prerequisite(s): STAT 630 or equivalent

5. Is this a variable credit course? □ Yes □ No If yes, from _______ to _______.

6. Is this a repeatable course? □ Yes □ No If yes, this course may be taken _______ times.

7. Will this course be repeated within the same semester? □ Yes □ No

8. Has this course been taught as a 489/689? □ Yes □ No If yes, how many times? _______.

9. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

10. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

Questions regarding this form should be directed to Sandra Williams at 845-8201.
Curricular Services – 11/07
DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

ISEN 669 COURSE SYLLABUS

Number and Title of Course: ISEN 669 Software Tools for Stochastic Decision Support Analysis

Hours: Lecture 3 Lab 0, Credits 3

Prerequisites: STAT 630 or equivalent

Course Description: Overview of stochastic decision analysis. Focus on Palisade Corporation's Decision Tools Suite of Excel add-in macros. Topics include sensitivity analysis of Excel models, decision tree construction and analysis, and simulation within Excel.

Learning Outcomes: Students should be able to model and evaluate decision trees, perform Excel-based sensitivity analysis, use simulation and analyze Excel-based models using the Decision Tools suite of software.


Course Outline by Major Topics and Approximate Time Assigned to Each:

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Grade Basis: 2 Exams (Mid-term and final exam each comprised of cases to model/solve plus an in-class written portion.) 100%

Course Instructor: Donald R. Smith
Telephone number: 845-5459 E-mail address: dr-smith@tamu.edu
Office hours: 9-10 AM, M-F Office location: 247A Zachry Engineering Center

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Cain Hall, Room B118, or call 845-1637.

Academic Integrity: "Aggies do not lie, cheat, or steal, nor do they tolerate those who do." It is the responsibility of students and instructors to help maintain scholastic integrity at the university by refusing to participate in or tolerate scholastic dishonesty. (http://www.tamu.edu/aggiehonor)