MGSC 896T

UNIVERSITY: University of South Carolina

UNIVERSITY COURSE NUMBER: MGSC 896T

CREDITS GIVEN AT UNIVERSITY: 3 credit hours

CAN YOUR STUDENTS RECEIVE GRADUATE CREDIT TOWARDS A MS DEGREE FOR THIS COURSE WITHOUT PETITION? (Please check with the graduate advisor in this department. If your answer is No, Please Explain.) Yes X No__

DELIVERY METHOD: Satellite

NUMBER CLASS MEETS ON CAMPUS: 4

DAYS CLASS MEETS ON CAMPUS: SATURDAY

INSTRUCTOR: Mun Y. Yi
Management Science
Moore School of Business
University of South Carolina
1705 College Street
Columbia, SC 29208

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PREREQUISITES: NONE, SPECIAL PERMISSION REQUIRED FOR NON-BUSINESS STUDENTS

TEXTBOOK:

COURSE OBJECTIVES:
Decision making is central to the function of the manager, and computer-based tools are increasingly being relied upon to leverage decision making. Decision support tools must be used in the context of appropriate and effective decision making procedures. Thus, this course will look at the ingredients of effective decision making in general, and their implications for the selection and use of decision technologies. This course will also examine a wide range of computer technologies for supporting managerial decision making, including spreadsheet-based business modeling, data management, executive information systems, group decision support systems, and expert systems. The primary focus is on understanding what these tools are, what they can be used for, and their relative strengths and limitations, rather than gaining the ability to create complete working applications using them. This course aims to make students aware of the available arsenal of tools. Current and emerging tools will be used to tackle representative
business problems in order to illustrate general concepts and principles. Decision making tasks will be drawn from various business areas. Results from actual research studies will be brought into the classroom for added knowledge and insight.

COURSE REQUIREMENTS:
• Homework
• Examinations
• Project (Technology Briefing Report)

HOMEWORK:
There will be several problem sets (PSs). These PSs will be related to the topics discussed in the classroom. Each PS may consist of several questions. All the PSs should be submitted and received (via mail, fax, or email) by the beginning of the class on the due date. Late PSs will not be accepted. No hand-written PSs will be graded.

EXAMINATIONS:
There will be two closed-book and closed-note exams. The exams will include true-false, multiple-choice, fill-in-the-blank, and short-answer questions.

COMPUTER LANGUAGE(S):

COMPUTER FACILITIES:
MICROSOFT OFFICE PRODUCTS (WORD, EXCEL, POWERPOINT, ACCESS),
INTERNET BROWSER

LABORATORY:
UNIVERSITY OF SOUTH CAROLINA COMPUTER LABS

PROJECT:
Technology Briefing Report is required for each NTU student. Each student is asked to put themselves in the position of a knowledge worker who has been asked to provide a highly focused briefing to senior executive management of some generic organization regarding a particular class of emerging management support technology. For the briefing, a written report not to exceed 10 double-spaced pages exclusive of exhibits is required. A proposal is also assigned (maximum 2-page double-spaced). The research needed to gather the information for the briefing can be done at the USC or other libraries. Additional information can be obtained via the World Wide Web and by contacting vendor companies directly. The purpose of the briefing project is to cultivate your ability to scan the literature in order to track rapidly-emerging information technologies that may have significant implications for your organization.

COURSE OUTLINE BY TOPICAL AREAS:

I. DECISION MAKING AND COMPUTERIZED SUPPORT.

II. DECISION SUPPORT SYSTEMS.

4. Data Warehousing, Access, Analysis, Mining, and Visualization.
5. Modeling and Analysis.

III. COLLABORATION, COMMUNICATION, ENTERPRISE DECISION SUPPORT SYSTEMS, AND KNOWLEDGE MANAGEMENT.


IV. INTELLIGENT SYSTEMS.

V. DECISION TRAPS.