COLLEGE OF BUSINESS & ECONOMICS OFFERINGS

MANAGEMENT COMPUTER SYSTEMS (950)

950-730   Information Systems Project Management -- 3 cr
This course will provide students with pragmatic guidance in the management of IS projects by analyzing critical success factors, skills and techniques required to successfully organize, plan, schedule, monitor and control projects. Cost and schedule estimation techniques are presented together with proposal writing, project planning, team building, negotiation/ communication, risk management, alternative technology assessment and quality measurement techniques.
Prereq: Students must be admitted to the MCS Master's Degree program.

950-740   Information Systems Strategy And Policy -- 3 cr
Acquaints students with the issues, procedures, and opportunities associated with the organizational use of information technology and with the management of the IS function. Topics include the role of IS technology in organizations, planning, organization and control of the IS function, IS support for corporate reengineering and strategic initiatives, IS operations management, and the maturity of the IS function.
Prereq: Students must be admitted into the MCS Master's Degree program.

950-750   Advanced Development Methodologies -- 3 cr
This course will update student knowledge and skills concerning methods, procedures, and tools used to develop modern business applications. Object-oriented development, JAD and RAD approaches, rapid prototyping, and client/server development, including Internet/Intranet applications, are topics to be covered as well as CASE tools and event-driven , GUI development.
Prereq: 950-730

950-760   Topics In Information Technology -- 3 cr
This course addresses a changing milieu of topics concerning information systems business. Topics may include new methodologies and products that implement them, new problem solving approaches, or emerging business and environmental concerns.
Prereq: 950-730, 950-740 or consent of program coordinator.

950-770   Advanced Database Design And Management -- 3 cr
This course is designed to provide the knowledge needed for organizations to increase the effectiveness of using database technology. The course is divided into three parts, (1)

Database Fundamentals, (2) Advanced Technical Issues, and (3) Management Related Issues.
Prereq: 950-730 or consent of program coordinator.

950-780   Networks & Information Architectures -- 3 cr

Designed to provide an overview of network and information architecture options available to designers and information managers. Covers hardware, software, communication, and interface standards. Presents issues and approaches to integrating legacy systems with new client/server architectures. Technical infrastructure choices are discussed along with the implications of these decisions for security, performance, and operations management.
Prereq: 950-730 or consent of program coordinator

950-790   MCS Project I -- 3 cr

The first of two-term sequence that is the capstone experience of the MCS Master of Science Degree program. In this sequence students work under closer supervision of an MCS graduate faculty member to research and subsequently apply an innovative method, technology, or theory to an actual IS problem in a target organization. Students meet throughout the term to share their findings with other students and to provide insight and input into the problem solving process. Problems concern actual managerial and/or technical issues. During this course students do in-depth research into the area of interest and produce a project proposal to be implemented in the second course.
Prereq: 950-730, 950-740, 950-750, 9507-760, 950-770, 950-780, 6 credits of Application Domain electives, and must be admitted into the MCS Masters Degree Program.

950-791   MCS Project II -- 3 cr

In the second of a two-term sequence that is the capstone experience of the MCS Master of Science Degree program. In this sequence students work under the close supervision of an MCS graduate faculty member to research and subsequently apply an innovative, method, technology, or theory to an actual IS problem in a target organization. Problems concern actual managerial and/or technical issues. During this course students execute a technology/methodolgy implementation plan developed and reviewed during the MCS Project I course. Specific measures of success will be applied to project and a final report prepared and presented to the MCS Faculty and to the target organization.
Prereq: 950-790 and admitted to the MCS Masters Degree Program.

950-798 Individual Studies -- 1-6 cr