

MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS 600 Management Information Systems 3 Credit hours

The course examines personal, work group, and enterprise information systems with respect to their value, their components, and the process of developing them.

Grade Mode: Normal Grading Mode

MIS 605 Systems Analysis and Design 3 Credit hours

Introduction to information systems from system implementor's viewpoint; information systems life cycle; techniques of analysis; data dictionaries and data flow diagrams; computer-oriented system description. (PR: Admission to program)

Grade Mode: Normal Grading Mode

MIS 610 Systems Quality Assurance 3 Credit hours

This course will cover the steps in developing enterprise IT policies, standards, guidelines and procedures while ensuring quality and compliance responsible for the design, implementation, and evaluation, and monitoring of a comprehensive system. Physical design of information systems; hardware selection; software design; database considerations; program development; software structuring techniques; cost/performance trade-offs; system implementation; evaluation and optimization techniques.

Pre-req: MIS 605 with a minimum grade of C.

Grade Mode: Normal Grading Mode

MIS 612 ITM Capstone Project 3 Credit hours

Tools and techniques for analyzing companies and their financial statements and for evaluating financial alternatives, including discounted cash flow, net present value and returned on investment.

Grade Mode: Normal Grading Mode

MIS 615 Info Tech Strategies 3 Credit hours

This course provides sound principles for managing information technology computers and telecommunications systems as well as the processes and procedures for applying the principles.

Grade Mode: Normal Grading Mode

MIS 620 Technology Planning 3 Credit hours

Methods of technology planning, strategic management, and forecasting for use in technology intensive organizations are discussed, including technology life cycles and strategies for commercializing products.

Grade Mode: Normal Grading Mode

MIS 621 Information Structures I 3 Credit hours

Representation and manipulation of numeric and non-numeric information, linear lists, strings, multilinked structures; sorting and searching; storage management; data structures in programming language. Relevant aspects of discrete mathematics.

Grade Mode: Normal Grading Mode

MIS 622 Emerging Tech in Info Systems 3 Credit hours

This course will explore the emerging technologies in information systems. These technologies are generally new but include older technologies that are still controversial and relatively undeveloped in potential. A continuation of MIS 621. Tree, graph, and set structures; file structures for secondary storage; aspects of discrete mathematics.

Pre-req: MIS 621 with a minimum grade of C.

Grade Mode: Normal Grading Mode

MIS 623 Database Management 3 Credit hours

Review of information structures and of relationships among data elements and objects. Relational database theory; design and organization of databases, retrieval structures, and query mechanisms.

Grade Mode: Normal Grading Mode

MIS 624 Data Warehousing 3 Credit hours

A hand-on introduction to the concepts and techniques of data warehousing and data mining.

Pre-req: MIS 623 with a minimum grade of C.

Grade Mode: Normal Grading Mode

MIS 630 Qual & Prod Methods 3 Credit hours

Study of quality and productivity improvement methods with emphasis on applications to knowledge worker organizations. Examines total quality management, and personal and organizational productivity improvement processes.

Grade Mode: Normal Grading Mode

MIS 647 IT Disaster Plan and Recovery 3 Credit hours

This course provides the skills necessary to manage IT disaster recovery planning. The course focuses on the protection of information. Students will analyze risk, design a plan, and explore available technologies.

Grade Mode: Normal Grading Mode

MIS 650 Special Topics 1-4 Credit hours

Permission of the division head and full MBA admission.

Grade Mode: Normal Grading Mode

MIS 651 Special Topics 1-4 Credit hours

Permission of the division head and full MBA admission

Grade Mode: Normal Grading Mode

MIS 659 Digital Access Pol & Strats 3 Credit hours

An introductory course for creating digital accessibility policies and plans for the workplace. Includes strategies to create accessible documents, evaluate web site accessibility, and investigate assistive technologies.

Grade Mode: Normal Grading Mode

MIS 660 Computing & Info Sys Tech 3 Credit hours

Provides a board understanding of computing and information systems technologies with emphasis on development, current trends, strategic and tactical management, and legal and regulatory issues.

Grade Mode: Normal Grading Mode

MIS 670 Business Sys Proj Mgt 3 Credit hours

This course presents concepts, structures and experiential learning strategies to help lead and participate in successful business systems projects using the Project Management Institute's (PMI's) methodology.

Grade Mode: Normal Grading Mode

MIS 678 Management Infor Systems 3 Credit hours

To familiarize students with the characteristics and functions of management information systems, as well as the benefits, limitations, and applications for advanced management information systems.

Grade Mode: Normal Grading Mode

MIS 680 Health Comm Telematics 3 Credit hours

A presentation and analysis of the primary and emerging technological means of communication, collaboration, and information search and retrieval within the healthcare and medical fields.

Grade Mode: Normal Grading Mode

MIS 681 Thesis **1-6 Credit hours**

Investigate a research problem of theoretical interest and practical value under mentorship of a management information systems faculty.

Attributes: Thesis

Grade Mode: Credit/No Credit Grade Only

MIS 685 Bus Intel/Analytics **3 Credit hours**

Introduction to methods to improve fact-based managerial decision making. Focus on analytics types and data manipulation to discover patterns and generate information associated with products and services.

Pre-req: MIS 678 with a minimum grade of C.

Grade Mode: Normal Grading Mode

MIS 688 Independent Study **1-4 Credit hours**

An approved study of special interests concerning information technology management, under the supervision of a faculty member.

Grade Mode: Normal Grading Mode

MIS 698 Internship **3 Credit hours**

Supervised on-the-job experience. The student will work in a technology company or technical department within an organization.

(PR: Permission)

Attributes: No Textbook Required

Grade Mode: Credit/No Credit Grade Only

MIS 699 Capstone **3 Credit hours**

An individualized information technology management capstone project, which will be planned and carried out under the supervision of a faculty member. (PR: Full Admission to the ITM program, and completion of 28 hours min toward ITM degree).

Grade Mode: Credit/No Credit Grade Only