

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 D.

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 D.

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.

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

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 D.

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 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.

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.

Grade Mode: Normal Grading Mode