MANAGEMENT INFORMATION SYSTEMS (MISY)

MISY 5325 Software Based Business Solutions
3 Semester Credit Hours (3 Lecture Hours)
Study of computer-based technologies for facilitating the analysis and evaluation of business problems. Provides the student with a case-driven analysis of evaluating and selecting the appropriate software tool to match the required management application. Software coverage may include a variety of available packages, such as word processing, spreadsheets, databases, ftp, e-mail, and electronic presentation.
Prerequisite: MISY 2305.

MISY 5330 Website Development for E-Commerce
3 Semester Credit Hours (3 Lecture Hours)
This course provides an understanding of the principles and techniques for client-side development using HTML, XHTML and CSS. Text editors and the software tools such as Dreamweaver will be used. This course includes designing for web standard, accessibility, usability, and workflow for web design.

MISY 5335 Business Data Base Management
3 Semester Credit Hours (3 Lecture Hours)
Concepts and methodology of data base planning, design, development, and management of the computerized data base for business-oriented applications. The logical models of hierarchical and network data bases are presented, but the emphasis is on the relational data base model. Exercises and assignments will be completed utilizing a relational DBMS package.
Prerequisite: MISY 2305.

MISY 5340 Electronic Commerce
3 Semester Credit Hours (3 Lecture Hours)
A study of the concepts of doing business via the Internet. General topics include electronic commerce history, opportunities, limitations, and risks. Technical discussions include the Internet, intranets, extranets, electronic payment systems, firewalls, security, protocols, servers, browsers, and ethics.
Prerequisite: MISY 2305.

MISY 5345 Business Data Communication Systems
3 Semester Credit Hours (3 Lecture Hours)
Characteristics of contemporary business data communication components, their configurations, and their impact on business-oriented applications. Includes the design, implementation and operation of peer-to-peer, and client-server network systems for organizational Intranets and Internet presence. Exercises and assignments will be completed using selected data communications facilities.

MISY 5350 Managing the Information Systems Function
3 Semester Credit Hours (3 Lecture Hours)
This course provides an understanding of the role of information systems in businesses today. The focus of the course will be on management issues related to information systems. Major topics that will be covered include e-commerce, data management, networks, and management information systems.

MISY 5355 Business Intelligence and Analytics
3 Semester Credit Hours (3 Lecture Hours)
Overview of important concepts of business intelligence, and the use of analytics, technologies, applications and processes used by organizations to gain data-driven insights. These insights and predictions can be used to aid decision-making and performance management across functional areas, including marketing, operations, and finance. Students will learn to extract and manipulate data, and create reports, scorecards and dashboards, including mobile apps.

MISY 5356 Systems Analysis and Design
3 Semester Credit Hours (3 Lecture Hours)
This course develops the student's ability to analyze and manage an existing information system within an organization, to identify information requirements, and to specify the functions of a new information system. Include cost/benefit analysis of proposed information systems. Exercises and assignments will develop the student's systems analysis and design skills.

MISY 5360 Business Application Development
3 Semester Credit Hours (3 Lecture Hours)
This course introduces students to the fundamental techniques used in the development and programming of software applications. This course is designed for students who have little or no previous computer programming experience. This course will use a scripting and/or visual development programming language. Topics covered include (but are not limited to) problem solving, algorithms, data types, expressions, control structures, functions, and GUIs (graphical user interfaces).

MISY 5365 Enterprise Resource Planning
3 Semester Credit Hours (3 Lecture Hours)
A study of the management of information technology as it is practiced in organizations today. Traditional organizations are moving toward a more interconnected or networked business environment. A major focus is understanding the role and use of complex technology in the support of individual, workgroup, enterprise, inter-enterprise and international computing. This course will utilize a business process management approach through the use of enterprise software.

MISY 5366 Data Warehousing and Data Mining for Business Intelligence
3 Semester Credit Hours (3 Lecture Hours)
In the information age, organizations can and do collect massive amounts of data. Yet organizations are often "data rich" but "information and knowledge poor." This course is designed to prepare business professions who, by using analytical methods and data mining and data visualizations tools, will be able to harness the potential of data by extracting business intelligence that can be used to improve decisions and operations at various points in the value chain.
Prerequisite: MISY 5325, 5335 and ORMS 5310.

MISY 5367 Managing IT Projects
3 Semester Credit Hours (3 Lecture Hours)
This course covers issues related to managing projects in organizations. The course focuses on the management of projects and working as a team. Students are expected to draw on materials from other management information system courses, especially the Systems Analysis and Design, and Database Management courses.
Prerequisite: MISY 5335.

MISY 5370 Seminar
1-3 Semester Credit Hours
in an identified topic in management information systems. May be repeated for significantly different topics with written permission from the Director of Master's Programs.

MISY 5396 Directed individual Research Or Readings
1-3 Semester Credit Hours
Contact Director of Master's Programs.