

# MANAGEMENT INFORMATION SYSTEMS (MIS)

## MIS 671 Introduction to MIS (3 Credits)

**Lecture:** 3

INFORMATION TECHNOLOGY (3) The use of information technology to analyze business problems. It includes the development of computer software skills.

**College/School:** JHJ School Of Business

**Department:** Dept of Business Admin.

## MIS 672 Application Programming (3 Credits)

**Lecture:** 3

INTRODUCTION TO C++ OR JAVA PROGRAMMING (3) A review of the programming features of these languages and their application to Object Oriented Programming and development of business applications. These will be offered in alternate semesters. (Prerequisite: MIS 304.)

**Prerequisite(s):** MGSC 304

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## MIS 674 Data Communications (3 Credits)

**Lecture:** 3

DATA COMMUNICATIONS (3) Managerial and technological issues related to the operation and maintenance of computer networks. Topics covered include WAN, LAN, Internet and related architectures and protocols. (Prerequisite: MIS 304.)

**Prerequisite(s):** MGSC 304

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## MIS 675 Database Management Systems (3 Credits)

**Lecture:** 3

DATABASE MANAGEMENT SYSTEMS (3) Database concepts and principles in database design with exposure to a popular relational database like "Oracle." (Prerequisite: MIS 304.)

**Prerequisite(s):** MGSC 304

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## MIS 676 Web Design & Development (3 Credits)

**Lecture:** 3

WEB DESIGN AND DEVELOPMENT (3) Web applications and design using tools such as HTML, Cascading Style Sheets, JavaScript and DHTML. (Prerequisite: MIS 672.)

**Prerequisite(s):** MIS 672

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## MIS 677 E-Commerce (3 Credits)

**Lecture:** 3

E-COMMERCE (3) Exposure to the use of Internet for business-to-business communications, logistics and supply chain management, financial markets, digital payments, marketing etc. (Prerequisites: MIS 674; MIS 676.)

**Prerequisite(s):** MIS 674 and MIS 676

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## MIS 678 SAP Applications in SCM (3 Credits)

**Lecture:** 3

SAP APPLICATIONS IN SCM (3) Exposure to instructor-selected SCM modules in SAP. (Prerequisites: MGSC 625; MIS 675.)

**Prerequisite(s):** MGSC 625 and MIS 675

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## MIS 680 System Analysis & Development (3 Credits)

**Lecture:** 3

SYSTEMS ANALYSIS AND DEVELOPMENT (3) An introduction to concepts and processes for analyzing and determining information requirements and using packages and application generators for system development. (Prerequisite: MIS 675.)

**Prerequisite(s):** MIS 675

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## MIS 681 IT Project Management (3 Credits)

**Lecture:** 3

IT PROJECT MANAGEMENT (3) Approaches to managing IT projects including outsourcing and subcontracting strategies. Students will also be exposed to project management tools. (Prerequisite: MIS 680.)

**Prerequisite(s):** MIS 680

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## MIS 683 Current Topics in MIS (3 Credits)

CURRENT TOPICS IN MIS (3) An instructor-selected topic dealing with current issues and/or developments in the MIS area. (Prerequisites: Completion of at least nine (9) credit hours of coursework in the MIS program and/or consent of instructor.)

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## MIS 684 Internship in MIS (3 Credits)

**Lecture:** 3

INTERNSHIP IN MIS AREA (3) Completion of the equivalent of one long semester or an entire summer internship in the information technology area in a carefully selected organization. (Prerequisite: Completion of at least 18 Credit Hours of coursework in the MIS program.)

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## MIS 685 Management of Info System (3 Credits)

**Lecture:** 3

MANAGEMENT OF INFORMATION SYSTEMS (3) Strategic management of information resources to facilitate corporate competitiveness in the global environment. Capstone course to be taken in the student's last semester of the program. (Prerequisite: Completion of at least 24 Credit Hours of coursework in the MIS program.)

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## MIS 686 Data Analytics and Visualization (3 Credits)

**Lecture:** 3

This course provides an overview of gathering, cleaning, describing, integrating data, and, developing data models. Students will apply descriptive statistical tools to get a comprehensive understanding of the datasets and visualize those using data visualization tools. Students will be introduced to real-world datasets and will have hands-on experience in using them in building preliminary decision models. (Prerequisite: MGSC 624) Three hours per week.

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**MIS 688 Applied Predictive Analytics (3 Credits)**

**Lecture: 3**

In this course students will be introduced to popular data mining methods such as classification, association, and clustering techniques. Students will use relevant software for data mining exercises. Students will develop and apply trend and regression analysis, and, forecasting techniques in business problem solving. (Prerequisite: MGSC 624) Three hours per week.

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