

# Management Information Systems

Contact Person: Dr. Kaushal Chari  
974-6768

Students enrolled in the MBA program can select a three-course track in MIS. The track is in addition to **ISM 6021: Management Information Systems**, which is a required course in the MBA program. The intent of this track is to provide general management with in-depth knowledge concerning modern global information technologies. The track is not intended for MIS professionals.

A certificate will be awarded upon successful completion of the Basic Track which will consist of three courses.

## Two Required Courses:

### 1. **ISM 6123 Systems Analysis and Design**

This is a foundation course in systems analysis and design. (PR: ISM 6021 Management Information Systems or equivalent)

Faculty: Dr. Joni Jones

### 2. **ISM 6217 Database Administration**

This course explores knowledge management in today's business environment. Emphasis is placed on physical vs. logical representations, data modeling, implementation, and management. "Hands on" experience is provided through a relational database management system, Access, and SQL. The goal is to enable a student to design a database and build applications to use it. (PR: ISM 6123 or equivalent)

Faculty: Dr. Anol Bhattacharjee

## The third course in the Basic Track will be selected from the following six courses:

### 1. **ISM 6305 Managing the Information Systems Resources**

An advanced study of the management of information systems resources including managerial decision making and the impact of information systems on business processes and society.

(PR: ISM 6021 Management Information Systems)

Faculty: Dr. Ellis Blanton

### 2. **ISM 6442 International Aspects of Information Systems**

An examination of the role of information technology (IT) in international organizations. Topics covered will include global networking and service levels, outsourcing and issues concerning country diversity, national IT environment, and IT policy. (PR: ISM 6021 Management Information Systems)

Faculty: Dr. Rosann Collins

### 3. **ISM 6480 Electronic Commerce**

This course provides a broad-based introduction to different facets of e-commerce, from both technical and managerial perspectives. Designing new e-commerce businesses as well as redesigning existing business to take advantage of e-commerce are examined. Specifically, the course covers three areas: (1) e-commerce concepts, (2) e-commerce applications, and (3) e-commerce technologies.

(PR: ISM 6021 Management Information Systems or consent of instructor)

Faculty: Dr. Balaji Padmanabhan

**4. ISM 6930 Enterprise Resource Planning and Business Process Management**

The course format is divided between lecture/discussion sessions and laboratory sessions (to enable use of mySAP for in-class exercises and demonstrations). Students will be evaluated via examinations, presentations, class discussion, case study analyses, ERP exercises, and team project. The team project requires analysis of a major business process and implementation of that process in mySAP.

(PR: Open to MS/MIS students, COBA Graduate students with ISM 6021, or consent of instructor).

Faculty: Dr. Rosann Collins

**5. ISM 6316 Project Management**

The general objective of this course is to become familiar with the fundamental for managing project management and to develop an understanding of the overall process of dealing with competing demands in various environments.

(PR: ISM 6021 Management Information Systems)

Faculty: Dr. Richard Will

**6. ISM 6136 Data Mining**

This course is designed for the MS in Information Systems graduate student and interested MBA students. The course covers the rapidly evolving data mining techniques that are becoming critical for customer relationship management and other business intelligence applications. This course complements the materials covered in the Data Warehousing elective. Topics include the business motivations for data mining, a review of related data warehousing material, and coverage of data mining techniques such as decision trees, neural nets, market basket analysis, and genetic algorithms. As a prerequisite, students should have had at least one course covering relational database systems, a course in statistics and/or significant work experience.

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