

# INFORMATION SYSTEMS MANAGEMENT (ISM)

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## **ISM 520 Data Networks & Security (3 Units)**

Prerequisite: MGMT 601. Principles of the design and management of data networks for business communications. (Formerly 6500:520)

## **ISM 602 Programming for Data Analytics (3 Units)**

Introduction to data preprocessing and programming concepts including controls, functions, and data structures, and applications to modeling, hypothesis testing, data visualization, and simulation and bootstrapping. (Formerly 6500:602)

## **ISM 605 Object Oriented Programming (3 Units)**

Advanced introduction to computer programming in the context of developing business applications. It consists of two core components: object-oriented programming principles and business applications prototyping. (Formerly 6500:605)

## **ISM 620 E-Business Foundations (3 Units)**

Provides an understanding of the foundation of Electronic Business focusing on business and application issues. (Formerly 6500:620)

## **ISM 622 E-Business Technologies (3 Units)**

Prerequisite: ISM 620 or ISM 602. This course provides a foundation in internet related technologies for successfully managing an e-business. Students will be required to design and implement a functional e-business prototype. (Formerly 6500:622)

## **ISM 640 Data and IS Governance (3 Units)**

Corequisite: MGMT 601. Focuses on management of IT and analytics functions, including alignment with business strategy, data architecture, systems and data governance, and cloud analytics processing. (Formerly 6500:640)

## **ISM 641 Business Database Systems (3 Units)**

Introduction to issues underlying the analysis, design, implementation, and management of business databases. (Formerly 6500:641)

## **ISM 643 Analysis & Design of Business Systems (3 Units)**

A hands-on treatment of the methods used to develop different types of business information systems. (Formerly 6500:643)

## **ISM 644 Business Intelligence (3 Units)**

Corequisite: MGMT 601. Concerns transformation of business data into actionable information through ETL, data warehousing, data modeling and architecture. Particular emphasis on data visualization with end user tools. (Formerly 6500:644)

## **ISM 645 Software Development and Quality Assurance (3 Units)**

Prerequisite: MGMT 601. Introduction to business software development and quality assurance. Student teams will work on projects with an emphasis on implementation of business systems. (Formerly 6500:645)

## **ISM 646 Enterprise Systems Implementation (3 Units)**

Prerequisite: ISM 602. The configuration and implementation of Enterprise Systems to support the cross functional integration of business processes. (Formerly 6500:646)

## **ISM 648 Management of Telecommunication (3 Units)**

Prerequisite: ISM 602 or ACCT 603. An introduction to the use and management of telecommunications resources to support the activities of the organization. (Formerly 6500:648)

## **ISM 652 Information Systems for Management (2 Units)**

An introduction to current practice in the management of information in the organization from an executive management perspective. (Formerly 6750:652)

## **ISM 663 Advanced Data Analytics Topics (3 Units)**

Prerequisites: MGMT 601 and ISM 602. Covers advanced topics on data analytics such as Bayesian networks and decision tree learning. Requires a programming language for big data projects. (Formerly 6500:663)