MANAGEMENT INFORMATION SYSTEMS (MIS)

Courses

MIS 5503 Management Information Systems Credit: 1.5
A survey of topics concerning information technology management in the twenty-first century. The course examines information technologies as they influence the structure and processes of organizations, and economies, and as they influence the roles and techniques of management.

MIS 5507 Business Analytics and Statistics Credits: 3
Business Analytics is about the science and the art of using data for making well-informed business decisions. The course covers the techniques used for acquiring and preparing data, as well as various statistical methods and procedures for mining the data to identify and infer patterns, relationships, and trends. It discusses how these methods can be used by managers for descriptive, predictive, and prescriptive purposes. Upon the successful completion of this course, the student will have the knowledge and the hands-on skills to apply business analytics techniques to various business contexts.
Prerequisites: Students must be enrolled in a Bloch School graduate program.

MIS 5523 Technology and Analytics Credits: 2
Students study information technology in support of analytical processing in the modern organization. Databases, data warehouses, data mining, data integrity, decision support, and knowledge management applications will be covered.

MIS 5529 Decision Support Systems Credits: 3
Information systems to support decision makers in organizations. This course focuses on influences of cognitive biases and group think on decision makers. Identification of both potential uses of information technology to support decision makers and potential effects of information technology on the decision making processes, and may include a number of computer-oriented assignments.

MIS 5540 Information Technology as a Strategic Tool Credits: 2
This course examines the critical linkage between an organization’s business, cultural, and information technology (IT) strategies. In organizations today, information technology has become a key component in accomplishing strategic and operational goals. The course provides concepts and a framework for understanding and enhancing the role IT can play in innovation, change, and continuous organizational learning.
Prerequisites: Admission to the Executive MBA program.

MIS 5552 Data Base Management Credits: 3
Data administration, including theory of relational databases and projects using relational data management packages. The course looks at data modeling and information engineering, entity-relationship modeling, database design, normalization, data dictionaries, distributed databases, database servers, data quality assurance, data integrity, SQL, and may include a number of computer-oriented assignments.

MIS 5554 Systems Analysis, Design And Engineering Credits: 3
This course introduces tools for documenting information system requirements and design and implementation methods; organization of software projects; system specifications, documentation and diagramming standards; programming languages and methodology; costs and schedule estimation, project management; program verification, and internal control issues.

MIS 5558 Management of Information Technology Credits: 3
Topics to be covered include procurement and management of computer systems, economics of hardware and software, software acquisition, RFOs, RFPs, contract terms and conditions, end-user computing, capacity planning, contribution of computing to business objectives, control, audit, and security of information technology; legal and ethical perspectives; and international issues.

MIS 5587 Special Topics Credits: 3
Special topics in management information systems.

MIS 5597 Independent Study Credits: 1-6
Independent study and research in areas of special interest under individual faculty direction.

MIS 5899 Required Graduate Enrollment Credit: 1