INFORMATION TECHNOLOGY MANAGEMENT

The Eli Broad College of Business and The Eli Broad Graduate School of Management

309 Business Information Systems and Technology
Fall, Spring. 3(3-0) P: (CSE 101 or concurrently) R: Open only to juniors or seniors in The Eli Broad College of Business. Not open to students in The School of Hospitality Business. SA: BUS 309

Role of information technology in shaping and supporting business processes in a global marketplace. Effects on organizations and individuals.

311 Systems Analysis and Design
Spring. 3(3-0) P: BUS 309 R: Open only to students in The Eli Broad College of Business. SA: BUS 311

Structured analysis and design of information systems. Use of computer-aided software engineering tools. Consulting issues associated with the design and implementation of information systems.

412 Marketing Technology and E-Commerce
Fall, Spring. 3(3-0) Interdepartmental with Marketing and Supply Chain Management. Administered by Department of Marketing and Supply Chain Management. P: (MSC 300 and MSC 317 and ITM 309) R: Open only to juniors or seniors in the Eli Broad College of Business, and to students in programs in which MSC 412 is a catalog-listed requirement.

Enabler technologies and their role in creating marketing opportunities, efficiencies, and innovations. Tools, applications, platforms, and infrastructures. Determination of business configurations that foster value creation from enabler technologies.

413 Fundamentals of Database Information Systems
Fall, Spring. 3(3-0) R: Open only to juniors or seniors in The Eli Broad College of Business. Not open to students in The School of Hospitality Business. C: ITM 311 concurr.

Semantic and syntactic modeling of business requirements for databases. Specificalional and navigational processing of databases. Database design parameters for business use.

414 Enterprise Resource Planning Systems
Spring. 3(3-0) P: (ITM 311 and BUS 309) R: Open only to students in The Eli Broad College of Business. Analysis, design and use of enterprise systems. Importance of enterprise system fit and reengineering of the enterprise. Implementation risks and organizational returns. Use of enterprise software.

444 Information Technology Project Management
Spring. 3(3-0) Interdepartmental with Computer Science and Engineering; Telecommunication. P: (ITM 311) R: Open only to seniors in the Specialization in Information Technology.

Practical training and experiences in design, testing, and launch of new information technologies and systems.

490 Independent Study in Information Technology
Fall, Spring. Summer. 1 to 4 credits. P: (BUS 309) R: Open only to students in The Eli Broad College of Business. Directed study in information technology under faculty supervision.

491 Special Topics in Information Technology
Fall, Spring. 1 to 4 credits. P: (BUS 309) R: Open only to students in The Eli Broad College of Business.

Current topics in information technology.

814 Decision Support Systems in Business
Fall. 3(3-0) Interdepartmental with Marketing and Supply Chain Management. P:M: (MBA 823 or ITM 309)

Computer-based managerial decision support systems (DSS). Basic system architectures for DSS. Individual and group systems. Data-driven and intelligence (model) driven systems. Project analysis of a globally distributed system.

821 Enterprise Database Systems
Fall. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. Not open to students with credit in ACC 321.

Management of information in business organizations. Conceptual modeling of transaction processing systems, workflow systems, and enterprise-wide networks of value-added activities. Integration of decision support and policy level systems with economic event processing systems. Information system implementation.

822 Analysis and Design of Enterprise Systems
Spring. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. R: Open only to MBA students and master's students in Accounting or approval of department. Not open to students with credit in ITM 311.

Structured analysis and design of enterprise information systems. Use of computer-aided software design tools. Consulting issues associated with the design and implementation of information systems.

823 Advanced Enterprise Database Systems
Spring. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. P:M: (ACC 321 or ACCB21 or ITM621) R: Open only to MBA students and master's students in Accounting or approval of department.


824 Digital Business Models and Processes
Spring. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. R: Open only to MBA students and master's students in Accounting or approval of department.

Frameworks for linking information technologies with business performance. Identification and valuation of key information technologies. Information Technology (IT) enabled business models, organizational processes, and knowledge management systems.

825 Object-Oriented Business Information Systems
Fall of even years. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. P:M: (ACC 823 and ITM 823) R: Open only to MBA students and master's students in Accounting or approval of department.


826 Enterprise Information Systems
Spring. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. R: Open only to MBA students and master's students in Accounting or approval of department. Not open to students with credit in ITM 414.

Analysis, design and use of enterprise systems. Importance of enterprise system fit and reengineering of the enterprise. Implementation risks and organizational returns. Use of enterprise software.

911 Doctoral Seminar in Information Systems
Fall. 3(3-0) RB: Master's degree in business, computer science, telecommunication or engineering.

Seminar in management information systems for new doctoral students and researchers new to the field.

912 Information Technology Transactional Perspectives
Spring of even years. 3(3-0) Interdepartmental with Telecommunication. RB: Graduate level microeconomics course R: Open only to doctoral students.

Multiple perspectives on relationships between organizations and information technology. Information processing, communications and management strategy approaches. Economic perspectives.

913 Seminar in Information Systems Design Science
Spring of odd years. 3(3-0) RB: (ITM 911) R: Research in design science and systems. Ontological issues in design science research.

914 Behavioral Aspects of Information Systems
Fall. 3(3-0) RB: Two prior courses in information systems. R: Open to doctoral students in the College of Business or approval of college.

Information Systems theory from a behavioral and social science perspective.

917 Research Methods in Information Systems
Fall. 3(3-0) RB: (MSC 905) Graduate courses in Philosophy of Science, Intermediate Statistics. R: Open only to doctoral students in the College of Business or College of Communication Arts and Sciences or approval of college.

Research methodologies utilized to study information systems phenomena from social science, computational science and clinical approaches. Critique information systems literature from various methodological perspectives.