Courses in Information Technology Management

B Itm 330
Improving Business Performance with Information Technologies (3)
This course offers an introduction to the fundamentals of information technology in business. It focuses on models for modern business processes, the integration of business functions, strategic information systems, and information systems for small business and e-businesses, and the tasks and techniques for developing computer-based information systems. Each lecture is followed by required individual work in the Computer Lab supervised by the course instructor or a TA. Students will work on problem solving using popular end-user software packages (spreadsheets and databases), to apply and expand their knowledge gained in BITM215. Students will create models for decision making in various business areas, such as: Supply Chain Management, Customer Relations Management, Enterprise Resource Planning, Project management and Knowledge management using business cases. Prerequisite(s): A MAT 106 and B ITM 215 or their equivalents, A MAT 108 or A ECO 320.
(1242) Crnkovic, Jakov
4 Week 1: May 23-June 17
MTWTh 9:00a.m.-11:30a.m.
BB-119

B Itm 331
Database Applications for Business (3)
This course has three major elements: (1) Database theory, data modeling and normalization process, followed by the design of database systems, (2) SQL language for database implementation realized in Microsoft SQL Server, and (3) introduction to traditional systems analysis and design using agile techniques for creating data-driven prototypes. Basic elements of software development are implemented in VBA (Visual Basic for Applications). Experience with system development is gained through several individual and group projects that integrate database technology with prototyping using software packages such as MS Access. Prerequisite(s): B ITM 215 or its equivalent, B ITM 330. Permission of Instructor. Open to Business Majors with a concentration (or combined concentration) in ITM and, by permission of Susan Maloney, for declared Informatics Minors.
(1972) Crnkovic, Jakov
4 Week 1: May 23-June 17
MTWTh 12:30p.m.-3:00p.m.
BB-119

Graduate Courses

B Itm 510
Advanced Excel with Visual Basic for Applications (1)
Excel is the most used software in any organization. This course includes advanced Excel including the use of Excel objects, Macros, Functions, Goal Seek, Solver, Visual Basic for Applications (VBA), regression analysis, charts, pivot tables, etc. Problems will focus on business decision support, scenario analysis and statistical techniques. The student will learn how to improve productivity using spreadsheet software and VBA for problem solving in a business environment. S/U graded.
(2293) Staff
May 24-June 21
T 5:45p.m.-8:35p.m.
BB-119

B Itm 520
Database Management (1)
This is an introductory course in database modeling, design and implementation for business applications. The role of database systems in the management of information and the procedures for modeling the data resource to support managerial/executive needs are presented. It includes principles of database theory, query languages, and forms of data organization. Students gain hands-on experience through developing one or more database applications using one of the standard database packages.

(2295) Staff
June 28-July 26
T 5:45p.m.-8:35p.m.
BA-119

B Itm 640
Information Security Risk Assessment (3)
This course offered online through the Blackboard Learning System. This course provides students with an introduction to the field of information security risk assessment. Initially, the students will be introduced to basic definitions and nomenclature in the area of security assessment. Thereafter they will be taught different approaches for assessment of risk. The course will incorporate cases in risk analysis derived from state and law enforcement agencies. Students will learn how to use a risk analysis matrix for performing both quantitative and qualitative risk analysis. As part of the course the students learn of the different threats that they need to incorporate in their risk analysis matrices.

(2296) Goel, Sanjay
July 17-August 6
Online course in Blackboard

B Itm 642
Computer Forensics (3)
Computer forensics is a relatively new field focused on solving computer crime that is an amalgamation of forensics investigative techniques, computer security, and law. Computer forensics is the study of cyber attack reporting, detection, and response by logging malicious activity and gathering court-admissible chains-of-evidence using various forensic tools able to trace back the activity of hackers. The course provides students with training in collection and preserving evidence from computers and networks.

(2297) Goel, Sanjay/Auffant, Fabio
July 18-August 5
MTWThF 5:00p.m.-9:00p.m.
BB-368

B Itm 644
Introduction to Information and Cyber Security (3)
This course offered online through the Blackboard Learning System. In this class, vulnerabilities of computer networks and techniques for protecting networks and data are discussed. Basic elements of symmetric and asymmetric cryptography, secure e-commerce, involving secure transmission, authentication, digital signatures, digital certificates and Public Key Infrastructure (PKI) is presented. Issues in privacy and piracy are also discussed where students study and debate controversial topics such as media piracy and government surveillance.

(2298) Goel, Sanjay
June 26-July 16
Online course in Blackboard