Courses in Information Systems & Business Analytics

**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.  
(1170) DePaula, Nicolau/Crnkovic, Jakov  
4 Week 1: May 28-June 21  
MTWTh 9:00a.m.-11:30a.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.  
(1775) Sprissler, Ethan  
May 29-June 26  
W 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.  
(1774) DePaula, Nicolau  
July 2-July 30  
T 5:45p.m.-8:35p.m.  
BA-119

**B Itm 644**  
Introduction to Information and Cyber Security (3)  
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. *Blended course will meet online and in-person.*

(1900) Snyder, Deborah
6 Week 3: July 8–August 16
W 5:45p.m.-8:35p.m.
BB-231