BUSINESS INFORMATION SYSTEMS (BIS)

BIS 160 TOPICS IN BUSINESS INFORMATION SYSTEMS1-3 Credits
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

BIS 200 INTRODUCTION TO COMPUTER APPLICATIONS3 Credits
Development of proper techniques in word processing, organizing and maintaining data in a spreadsheet, creating and managing a database, and producing professional presentations using current software applications. A practical hands-on application of various information processing tools is utilized to develop organizational decision making skills.

BIS 230 WEB PAGE DEVELOPMENT3 Credits
Provides a foundation for establishing and maintaining a website; specifically, creating, designing and publishing content on the Web. Current Web programming languages will be covered. Topics include Web development, debugging, version control, and introductory website administration. In addition, dynamically generated websites and database-driven websites are discussed.

BIS 231 PRINCIPLES OF INFORMATION SYSTEMS3 Credits
Information systems concepts and principles applied to business uses of technology. Conceptual areas include: fundamentals of information systems, data resource management, telecommunications and networks, E-Business, E-Commerce, decision support systems, information technology management, developing business and information technology solutions, security, and ethical challenges.

BIS 235 BUSINESS PROGRAMMING3 Credits
Provides the concepts and skills necessary to design and develop web-based database applications, specifically building a working database application and a client application to serve the information needs of an enterprise.
Prerequisites: BIS 230

BIS 331 DATABASE MANAGEMENT3 Credits
Introduction to the design and use of databases in meeting business information needs. Topics include database planning, conceptual design, the relational data model, structured query language (SQL), and related concepts of enterprise-wide data management. The concepts are studied in part with projects involving the use of a current database management system.

BIS 332 DECISION SUPPORT FOR MANAGERS3 Credits
This course is designed to educate managers in the process of becoming more effective and efficient problem solvers through integrating the use of spreadsheet modeling to support business decisions.

BIS 337 E-COMMERCE3 Credits
Examines how modern organizations can leverage emerging technologies to create new opportunities for business success. Topics include an introduction to the concepts of electronic commerce as facilitated by the Internet, World Wide Web, and related technologies; a thorough understanding of information technology elements that create the building blocks of electronic commerce, and the identification, use and management of emerging technologies.
Prerequisites: Sophomore or above status

BIS 430 PROJECT MANAGEMENT3 Credits
Introduces the basic principles of modern project management, the project planning processes, and knowledge areas. Attention will be given to how projects contribute to the strategic goals of the organization and the process of selecting projects that best support the strategy of a particular organization.

BIS 431 SYSTEM ANALYSIS AND DESIGN3 Credits
An understanding of the phases of the Systems Development Life Cycle (SDLC), including techniques to investigate system problems, determine requirements, identify possible solutions, perform feasibility studies and cost analysis, and oversee the development of a new system or the reengineering of an existing system. An understanding of the human and technical factors in the analysis and design of information systems will also be addressed.

BIS 460 TOPICS IN BIS1-3 Credits
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.