BUSINESS INFORMATION SYSTEMS (BIS)

BIS-310 BUSINESS INFORMATION SYSTEMS (3 Credits)
A survey and overview of modern business computer information systems. The course is the foundation course for study in the field of information systems. Students will be exposed to the historic, current and projected role of information systems as they affect organizations and society. Topics will include systems theory, computing systems components, system analysis and design, information resource management/planning, telecommunications, security, database design and management, privacy, artificial intelligence, and new information technologies.

BIS-320 BUSINESS TELECOMMUNICATIONS (3 Credits)
An introduction to telecommunications and data communications. Topics include telecommunications terminology and concepts, telecommunications technology, local area networks, wide area networks, electronic mail and electronic data interchange. Emphasis is placed on aspects of telecomputing such as competitive advantage, security and privacy.
Prerequisite(s): Take BIS-310

BIS-335 SYSTEMS ANALYSIS & DESIGN (3 Credits)
This course is the BIS capstone course. The course provides an overview of systems theory. It addresses the techniques for systems analysis, testing and implementation. Special attention is given computer-based information systems used in the business environment.
Prerequisite(s): Take BIS-310

BIS-410 E-COMMERCE (3 Credits)
An overview of electronic commerce and examination of its role in the business environment. The student will study the impact of e-commerce on business models and the functional areas of the organization. Topics include electronic commerce terminology, Web-based marketing, electronic data interchange, regulations, risks and risk management. Security issues such as authentication, firewalls and payment mechanisms will also be explored.
Prerequisite(s): Take BIS-310

BIS-420 INFORMATION AND DECISION SUPPORT SYSTEM (3 Credits)
An overview of management information and decision support systems. The course covers computer resources, including hardware, software, data storage and management. User applications of a computer-based decision support system are covered. The course includes evaluation of hardware and software in the context of designing a business information system.
Prerequisite(s): Take BIS-310
Restrictions: RG.MGMT

BIS-498 INDEPENDENT STUDY (1-3 Credits)
Research in selected topic in business information systems under the supervision of a faculty member, designed to allow the student to probe specific interests that lie beyond the coverage normally found in regular course offerings.