ISM - INFORMATION SYSTEMS MANAGEMENT

ISM 3630 Business Information Systems Cr. 3
Management-oriented study of computer information systems in business; overview of the manner in which information and information technology support business processes, managerial decision-making, and organizational strategy. Offered Every Term.
Prerequisites: MAT 1500-6XXX with a minimum grade of C

ISM 4500 Business Co-op Assignment Cr. 0
Practical application of theory to on-the-job experience. Students will normally be assigned to cooperating business organizations for internship periods of one semester. Must be elected by Professional Development Cooperative Program students during work semester. No degree credit. Offered Yearly.

ISM 4575 Introduction to Corporate Computer Networks and IT Security Cr. 3
Investigation of a broad selection of contemporary issues in computer security. Exposure to the spectrum of security activities, methods, methodologies, and procedures including inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, and an overview of the Information Security Planning and Staffing functions. Offered Yearly.

ISM 4990 Directed Study in Information Systems and Manufacturing Cr. 1-3
Advanced readings and research or tutorial under the supervision of a faculty member in areas of special interest to the student and faculty member. Offered Every Term.
Prerequisites: ISM 5820 with a minimum grade of D-, ISM 5992 with a minimum grade of D-, ISM 5860 with a minimum grade of D-, and ISM 5994 with a minimum grade of D-

ISM 5200 ERP Systems: Concepts and Practice Cr. 3
Enterprise Planning (ERP) systems comprise the primary software packages for the accounting, operational, and managerial activities of an organization. Role and function of ERP systems within organizations; analysis of major business processes and their implementation in ERP software; hands-on use of ERP packages for transaction processing and decision support; use of ERP for customer relationship management, supply chain management, and electronic commerce. Offered for undergraduate credit only. Offered Yearly.
Prerequisites: ACC 3010 with a minimum grade of C, ACC 3020 with a minimum grade of C, and ISM 3630 with a minimum grade of C
Equivalent: ACC 5200

ISM 5530 Ethics in Information Technology Cr. 3
An awareness of the wider social, legal and ethical issues of information technology. Relationship between technological change, society and the law. Student is introduced to legal issues such as intellectual property and liability for defective software. Offered Yearly.
Prerequisites: ISM 3630 with a minimum grade of D-
Equivalent: ISM 7530

ISM 5560 Survey of e-Commerce Cr. 3
Introduction to electronic commerce: scope, business-to-business and business-to-consumer activities; supporting software, hardware, networking, security technologies; readings and online discussions. Offered for undergraduate credit only. Offered Yearly.
Prerequisites: ISM 3630, with a minimum grade of D-
Equivalent: ISM 7560

ISM 5570 Data Mining Cr. 3
How to analyze large volumes of data so they can be understood and used efficiently using techniques and software to automate the analysis and exploration of large complex data sets. Data mining covers methodology, major software tools and applications in this field. Offered for undergraduate credit only. Offered Yearly.
Prerequisite: ISM 3630, with a minimum grade of D-

ISM 5670 Special Topics in Information Systems Cr. 3
Topics range from JAVA to analytics to cyber security fields. Offered Irregularly.
Prerequisite: ISM 3630,
Repeatable for 6 Credits

ISM 5705 Inbound Information Technology Cr. 3
Teaches the methodologies and technologies to help execute inbound strategies for reach and engagement. Focus areas include: keyword generation, workflow creation, search engine optimization, and campaign development and tracking. Offered Fall.
Prerequisites: ISM 3630

ISM 5820 Systems Analysis and Design Cr. 3
Structured, formal approach to information systems development. Analysis, logical requirements specification, general and detailed design, control, and implementation of information systems. Technical and managerial factors. Offered for undergraduate credit only. Offered Every Term.
Prerequisites: (ISM 3630 with a minimum grade of D-) OR (ISM 4630 with a minimum grade of D-)

ISM 5860 Data Communications and Networks Cr. 3
Data communication concepts and terminology, communication system design approaches, data communications standards, data communications software and hardware, network architecture, distributed management information systems. Offered for undergraduate credit only. Offered Yearly.
Prerequisites: ISM 5820 with a minimum grade of D-

ISM 5890 Internship in Information Systems Cr. 3
Student performs assigned tasks and responsibilities in a professional manner under supervision of host-employer for a minimum of 160 hours during the semester, abiding by the rules and regulations established by the employer and expected by all employees; student must satisfactorily complete all course requirements outlined in the internship program for the School of Business Administration. Offered for undergraduate credit only. Offered Every Term.
Prerequisites: (FIN 3290 with a minimum grade of D-) OR (FIN 4290 with a minimum grade of D-) OR (ISM 3400 with a minimum grade of D-) OR (ISM 4400 with a minimum grade of D-) OR (ISM 3600 with a minimum grade of D-) OR (ISM 4600 with a minimum grade of D-) OR (ISM 2530 with a minimum grade of D-) OR (ISM 3630 with a minimum grade of D-)

ISM 5900 Project Management Cr. 3
Understanding and appreciation of the different knowledge areas of project management. Insight into developing the inputs, tools, techniques, and outputs to successfully manage products. Offered for undergraduate credit only. Offered Yearly.
Prerequisites: ISM 3630 with a minimum grade of C and MGT 2530 with a minimum grade of C
Equivalent: MGT 5900
ISM 5992 Database Systems Cr. 3
Importance of data in today's enterprise: theories, models, and techniques for designing, developing, creating, and manipulating a database. Data modeling, physical database design, database implementation, introductory SQL. Lecture information is reinforced using practical exercises. Offered for undergraduate credit only. Offered Yearly.
Prerequisites: (ISM 3630 with a minimum grade of D-) OR (ISM 4630 with a minimum grade of D-)

ISM 5994 Software Tools for Business Applications Cr. 3
Introduction to the use of the internet to design and develop websites and customize web pages through the use of web development, productivity, video, and design tools. Investigates resources using HTML, Javascript, Hubl, Wistia, and cascading style sheets (CSS). Offered for undergraduate credit only. Offered Yearly.
Prerequisites: ISM 5820 with a minimum grade of D-

ISM 6997 Information Systems Policy and Management Cr. 3
Within overall structure of the systems approach, this capstone course integrates the managerial, technical, and strategic planning and control concepts; and concepts and methodologies necessary for management of information projects. Offered for undergraduate credit only. Offered Yearly.
Prerequisites: ISM 5820 with a minimum grade of D-

ISM 7500 Business Information Systems Cr. 2
Teaches students how IT can influence, support, and advance organizational operations, performance, and decision making. The course will also teach students, as managers or employees, how to effectively define their information needs and utilize IT to increase their effectiveness. No credit after ISM 4630 or ACC 6070. Offered Fall, Winter.
Prerequisites: BA 7070 with a minimum grade of C

ISM 7505 Information Analytics: Inbound Information Technology Cr. 3
The evolving cyberspace organization. Insights and practical guidelines to create an appealing and engaging digital presence. Discussion focuses on topics relevant to planning, managing, and implementing online and social media interactivity such as search engine optimization (SEO), inbound links, blogging, page ranking, tagging content, tweeting, publishing content, analytic reports, and social media. Offered Fall.

ISM 7510 Database Management Cr. 3
Overall examination of database management and knowledge management systems. Theories, models, and techniques for designing, developing, understanding, utilizing and creating competitive advantage through database systems. Topics include data modeling, logical and physical database design, strategic value of data, introductory SQL, knowledge management, and emerging database technologies. No credit after ISM 5993. Offered Yearly.
Prerequisites: BA 7070 with a minimum grade of C

ISM 7520 Information Systems Design Cr. 3
Non-technical course in how to use information systems to add value to an organization. Use of system analysis techniques to study and identify information needs of organizations and integration of IT specialists and manager-users. Topics include: IT and organizational design, inter-networking infrastructure, organization and leading the IT function. How information systems professionals link MIS to specific business operations and objectives to increase value; how managers may use information systems to support activities and increase individual productivity. No credit after ISM 5820. Offered Yearly.
Prerequisites: ISM 7500 with a minimum grade of C

ISM 7530 Societal and Ethical Issues in the Information Age Cr. 3
Issues such as computer crime, privacy, copyrighting of software; other ethical issues related to use of business systems and information systems. No credit after ISM 5530. Offered Yearly.
Prerequisite: BA 7070, with a minimum grade of C

ISM 7560 Survey of E-Commerce Cr. 3
Introduction to electronic commerce: scope, business-to-business and business-to-consumer activities; supporting software, hardware, networking, security technologies; readings and online discussions. Offered Every Term.
Prerequisites: ISM 7500 with a minimum grade of C

ISM 7570 Data Mining Cr. 3
Tools and techniques used to analyze large data bases; hands-on approach to common techniques. Emphasis on application of data mining to problems in marketing, finance, and other business disciplines. Offered Every Term.
Prerequisites: BA 7070 with a minimum grade of C

ISM 7575 Corporate Computer Networks and IT Security Cr. 3
Broad selection of contemporary issues in computer security. Security activities, methods, methodologies, and procedures including inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, and an overview of the Information Security Planning and Staffing functions. Includes many topics for Security+ exam by CompTIA. Offered Yearly.
Prerequisites: BA 7070 with a minimum grade of C

ISM 7890 Internship in Information Systems and Management Cr. 3
Students work a minimum of 160 hours for fifteen weeks in an entry-level management position in information systems. Offered Yearly.
Prerequisites: ISM 7500 with a minimum grade of C

ISM 7900 Project Management Cr. 3
Management of resources (budget, personnel, materials, etc.) within the scope of a given project; understanding and appreciation for the different knowledge areas of project management; insight into identification of inputs, tools, and techniques of project management. Offered Yearly.
Equivalent: MGT 7900

ISM 7994 Digital Content Development Cr. 3
Development of responsive, smart, and personalized web sites using leading web development tools and technologies. Offered Yearly.

ISM 7995 Directed Study in Information Systems and Management Cr.
1-3
Advanced independent readings and research under supervision of a graduate faculty member in areas of special interest to student and faculty member. Offered Yearly.
Prerequisites: ISM 7500 with a minimum grade of C

ISM 7996 Principles for Customer Relationship Management Cr. 3
Investigation of the antecedents and consequences of implementing a customer-relationship management strategy. The course will provide students with insight on: What CRM and its conceptual foundations are; How CRM forces the interaction between corporate strategy, organizational structure, supply chain, and customer facing front end; The role of measuring and managing customer satisfaction, customer loyalty and customer profitability; Hands-on application with salesforce.com. Offered Fall.
Equivalent: MKT 7996

ISM 8000 Seminar in Information Systems and Management Cr. 3
Current developments and emerging trends. Offered Every Term.