INFO SYS AND OPERATIONS MNGMT (ISM)

ISM 110 Business Computing I 3
Develops skills using microcomputer applications including electronic mail, word processing, graphics, spreadsheets, and network functions. 
Notes: Open to freshmen and other students seeking an introduction to computer usage.

ISM 116 Web Design and Development 3
Students learn skills needed to design effective Web pages by studying the best practices in website design.
Prerequisites: C or better in ISM 110 or equivalent.

ISM 210 Business Computing II 3
Advanced techniques in the use of microcomputer applications, including desktop publishing, spreadsheets, database systems, and linkages between applications. Study of how end user applications are managed and contribute to business.
Prerequisites: Grade of C or better in ISM 110 or equivalent and one of the following: MAT 112, MAT 115, MAT 150, STA 108, or permission of instructor.

ISM 218 Database Systems 3
Study of database management systems including their design, implementation, query and use. Includes an extensive case study requiring the development of a multiple table database system for organizational needs.
Prerequisites: Grade of C or better in ISM 110.

ISM 240 Business Programming I 3
Introduction to the planning and creation of computer programs for solving business-related problems. Emphasis on problem analysis and structured programming techniques. Students utilize a procedural programming language.
Prerequisites: Grade of C or better in ISM 110 or equivalent. ISSC major.

ISM 280 Information Systems in Organizations 3
Fundamentals of information systems needed to achieve organizational, operational, informational, technological, managerial, and innovative functions are discussed. Evolving role of information systems in achieving and maintaining competitive advantage is evaluated.
Prerequisites: ISM 110 or equivalent.

ISM 290 Entrepreneurship and the Internet 3
This introductory course provides students with the theoretical and practical foundation needed to become an entrepreneur able to conceive and develop business plans to create a new venture on the Internet.
Notes: Same as ENT 290.

ISM 292 IT Entrepreneurship 3
Fundamentals of advanced technologies are presented and entrepreneurial skills needed to manage the challenges inherent in attempting to take advantage of innovations driven from those technologies are discussed.
Notes: Same as ENT 292.

ISM 301 Systems and Process Analysis 3
Focuses on systems and process concepts such as automation boundaries, feasibility assessments, performance measures, information modeling, process reengineering, quality, and value added. Course emphasizes analysis methodologies.
Prerequisites: C or better in ISM 280. ISSC major.

ISM 321 Telecommunications Management 3
Telecommunications technology and the use of that technology in business. Coverage of voice, data, and video communications and LANs and WANs. Emphasis on the delivery and management of telecommunications services.
Prerequisites: C or better in ISM 280. ISSC major.

ISM 324 Secure Networked Systems 3
Networking and telecommunication concepts are described. Technical and organizational activities for securing distributed systems are presented. System security and information assurance methodologies, procedures and best practices are studied.
Prerequisites: Restricted to IS majors and minors only.

ISM 325 Topics in Applications Development 1-3
Study of specific application development environments and development tools to support business application development.
Prerequisites: ISSC major. Different topics have different prerequisites; C or better in ISM 218 and ISM 310 for ISM 325V; C or better in ISM 310 for ISM 325Z;
Notes: May be repeated for credit when topic varies.

ISM 325A Topics in Applications Development: Team/TQM 1-3
See ISM 325.

ISM 325B Topics in Applications Development: Client/Server Concepts 1
See ISM 325.

ISM 325C Topics in Applications Development: Client/Server Applications 1
See ISM 325.

ISM 325D Topics in Applications Development: Inventory Management 1
See ISM 325.

ISM 325F Topics in Applications Development: Visual Basic Applications 1
See ISM 325.

ISM 325G Topics in Applications Development: "Just in Time" Seminar 1
See ISM 325.

ISM 325J Topics in Applications Development: Xbase Programming 1
See ISM 325.

ISM 325K Topics in Applications Development: Visual Fox Pro 1
See ISM 325.

ISM 325L Topics in Applications Development: Service Operations Management 1
See ISM 325.

ISM 325M Topics in Applications Development: LANS and the Internet 1
See ISM 325.

ISM 325N Topics in Applications Development: Application Development in Oracle 1
See ISM 325.

ISM 325P Topics in Applications Development: Application of Electronic Commerce 3
See ISM 325.

ISM 411 Undergraduate Internship in ISSC 1-3
This course provides students with the opportunity to apply classroom knowledge and skills to a business situation and develop new work management skills and understandings.
Prerequisites: Admission to the ISSC major and approval of instructor.
Notes: Grade: Pass/Not Pass (P/NP). May be repeated for credit for a maximum of 3 s.h.
ISM 696 Organizational Internship 1-3
Academic and required work components allow students to gain organization experience. Course supervised by a designated graduate faculty member and an organization manager.

**Prerequisites:** Permission of MSITM Program Director.

**Notes:** May be repeated for credit.

ISM 698 Project in Information Technology 3
Capstone experience in which the student demonstrates a broad knowledge of the material covered in the MSITM curricula by undertaking a project approved in consultation with the MSITM Program Director.

**Prerequisites:** Completion of at least 18 hours of required course for MSITM.

ISM 699 Thesis 1-6
An independent, theory-based inquiry in which a student applied knowledge and skills acquired to the scholarly study of information technology and management.

ISM 711 Experimental Course 3
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ISM 711P Ex Cr: Open Source Systems 3

ISM 753 Seminar in IS Planning, Management, and Global Issues 3
Research issues in IS planning management, and global information technology management. Topics include strategy formulation, tactics, process integration, business alignment, global environment, outsourcing, transborder dataflows, and cultural issues.

ISM 754 Seminar in Inter-Organizational Systems 3
Current research issues on organizational processes and inter-organizational linkages that are transformed by the emergence of general information technology and Internet based applications.

**Prerequisites:** ISM 677 or permission of PhD director.

ISM 755 Seminar in Information Systems Behavioral Topics 3
Issues in design, development, use and impact of information systems from a behavioral perspective. Topics include ethical, privacy, societal, decision support, user interface, system usability and training aspects.

**Prerequisites:** Permission of PhD Director.

ISM 782 Practicum in IS Teaching 1-3
Supervised teaching of an information systems (IS) course. Faculty mentor will guide in planning and delivery.

**Prerequisites:** Permission of PhD Director.

**Notes:** Course may be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

ISM 783 Organizational Research Internship 3-6
Organizational work and research in information systems in actual organization. Expose student to practical and relevant research problems. Supervised by designated faculty member and organization manager.

**Prerequisites:** Permission of PhD Director.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

ISM 784 Theories of Information Systems 3
Examines underlying theories in information systems research. Theories from organizational behavior, strategic management, economics, other disciplines inside and outside business, and IS will be discussed.

**Prerequisites:** Permission of PhD Director.