

Management Information System Program

Course Descriptions

Course Number:

QMIS-130

Title:

Computer-Based Applications in Business

Contents:

This course provides students with an exposure to a suite of software tools useful for knowledge workers (e.g., spreadsheets, databases, presentation graphics, database retrieval, statistics, word processing, and Internet and electronic mail). It also provides students with a basic information technology background in order to understand tradeoffs in computer architecture for effective use in a business environment

References:

Linder Standing Computers today and tomorrow, 2003 edition by Parker & Marley.

Prerequisites:

None

Course Number:

QMIS-230

Title:

Business Problem Solving & Programming

Contents:

This course provides students with hands-on experience in the design and development of computer-based solutions to business problems. In developing such business applications, students will have exposure to the basics of programming concepts and algorithms using an appropriate procedural language.

References:

Microsoft Visual Basic. Net Introduction to Programming ,2nd edition.

Gary B. Shelly, Thomas J. Jeffrey Quasney: Microsoft Visual Basic. Net Comprehensive Concepts and Techniques from Shelly Cash man Series

Prerequisites:

QMIS-130 or equivalent

Course Number:

QMIS-240

Title:

Introduction to Business Information Systems (IS)

Contents:

This course provides students with an understanding of contemporary organizational systems and processes, and the role of information technology and systems in support of such processes. The Focus is on topics such as individual and group decision making, information needs and systems, strategic use of IS, information and knowledge management, IT trends, intra-organizational and inter-organizational systems, Ethical and global issues, and IS planning and control.

References:

Management Information Systems, Laudon & Laudon, 2002. Prentice-Hall.

Prerequisites:

Course Number:

QMIS-331

Title:

Systems Analysis & Design

Contents:

This course introduces students to the issues, processes and methods of systems analysis, design and implementation in an organizational context. Emphasis is on providing students with an understanding of the system development life cycle, on developing skills in business problems identification, selection and application of systems analysis, design and implementation methods and tools, and on enhancing effective communication with end users.

References:

Systems Analysis & Design, Kendall & Kendall, 2002, 5th ed., Prentice-Hall.

Modern Systems Analysis & Design, by Hoffer, George & Valacich Prentice-Hall 2002.

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-336

Title:

Data Communications and Networks

Contents:

This course enables students to learn and apply knowledge pertinent to the design and implementation of computer networks as integral part of the information systems infrastructure in an organization. Emphasis is on business data communications and networking requirements, including communications hardware and software, analysis and design of networking applications, network types, topologies and protocols, and network management.

References:

Raymond Panko and Julia Panko, **Business Data Networks and Telecommunications: International Version**, 8th Edition, 2011.

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-350

Title:

Advanced Business Applications

Contents:

This course provides students with advanced hands-on experience in the development of business and Internet applications by using a state-of-the-art programming language, algorithms and concepts.

References:

Programming Basics Using Microsoft Visual Basic, C++, Html, And Java, Knowlton & Barksdale, 2002. Course Technology.

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-351

Title:

Introduction to Electronic Commerce

Contents:

This course enables students to acquire a broad operational knowledge of B2C Electronic Commerce. Topics include: attracting customers to an EC web site, informing customers about products and services offered, supporting customers via the web site, personalizing the look and feel of the web site, etc.

References:

Electronic Commerce, *Schneider & Perry, 2001, 2nd ed.*, Course Technology.

Web Design Introductory Concepts and Techniques, *Shelly, Cashman & Kosteba, 2002*. Course Technology.

Prerequisites:

QMIS-240

Course Number:

QMIS-352

Title:

Management Support Systems

Contents:

This course enables students to acquire a broad understanding of management support systems, their components, business applications, and evaluation.

References:

Decision Support Systems, *Sauter, 2002*, John Wiley

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-353

Title:

Integrated Information Systems

Contents:

This course enables students to acquire a broad understanding of integrated information systems in a business environment. Topics include supply chain management, enterprise-wide systems, ERP, etc.

References:

Enterprise Integration, *Sandoe And Others, 2002*, John Wiley

Prerequisites:

QMIS-331 and QMIS-336

Course Number:

QMIS-354

Title:

IS Project Management

Contents:

Addresses the concepts, principles, and techniques of large-scale IS project management including project organization; project leadership; project budgeting; project cost, time, and quality management; etc.

References:

Project Management, *Merdith And Mantel,2003*, John Wiley.

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-433

Title:

Business Database Systems

Contents:

This course covers information systems design and implementation within a database management system environment. Students will demonstrate their mastery of analysis and design processes acquired in earlier courses by designing and constructing databases to meet the information needs of users. Topics covered include data models and modeling techniques, information engineering, data quality and security, and client/server environment.

References:

Database Management System. *MacFadden And Hoffer,2002*, Addison Wesley

Prerequisites:

QMIS-331 and QMIS-336

Course Number:

QMIS-450

Title:

Global Issues in Electronic Commerce

Contents:

This course enables students to acquire a broad understanding of global issues in E-Commerce management and technology. Topics include the internet infrastructure, strategic aspects of E-Commerce, strategy formulation and implementation, public policy issues and capital infrastructure from a managerial perspective, etc.

References:

Introduction To E-Commerce, *Rayport & Jaworski,2002*, McGraw-Hill

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-451

Title:

Social Issues in Information Systems

Contents:

This course enables students to acquire a broad understanding of social issues in the information age. Topics include security, privacy, legal, and ethical issues.

References:

A Collection of Readings-TBA.

Prerequisites:

QMIS-230 and QMIS-240

Course Number:

QMIS-472

Title:

Project in Information Systems

Contents:

This is a capstone course that helps teams of students integrate and apply their business and information systems related knowledge and skills acquired in earlier courses to cover the entire life cycle of activities involved in designing, building and implementing an information system to solve real business problems for external clients (profit or nonprofit organizations in the community). Topics covered include project management issues and techniques, design of user interface, system implementation issues, system documentation and user manuals, and user training.

References:

Needs Assessment and Project Planning, *Kendall et al. 2000*, Pearson Custom Publishing.

Prerequisites:

QMIS-240; QMIS-433

Course Number:

QMIS-480

Title:

Internship in Information Systems

Contents:

This course is designed to provide students with practical experience through temporary employment in appropriate organizations operating in Kuwait. The temporary employment plan will be jointly set by the student(s) academic advisor and the host organization(s). The progress of the students will be supervised by the faculty member on a weekly basis. At the end of the training period, each student is asked to submit a final report describing his/her learning experience and the skills gained. The temporary employment should be at least 10 weeks long with 10 hours per week.

Prerequisites:

Completion of 90 credit hours and instructor approval.

Course Number:

QMIS-492

Title:

Special Topics in Information Systems

Contents:

This course covers current issues and topics not usually covered by the other courses

References:

Selected materials related to the topics.

Prerequisites:

QMIS-331 and QMIS-336