COURSE DESCRIPTION

The objective of this course is to study management’s role in the development and use of information systems that help businesses achieve their goals and objectives. Information Technology (IT) has been the driving force behind the new way of doing business. IT has enabled modern organizations to make tremendous strides in productivity, has opened new markets, and has created new product and service opportunities. Managers should understand how IT could help to organize the complexity of modern organizations, manage relationships with customers, suppliers, and employees, and improve work efficiency.

In this course we will use a real software product, understand how it is developed, and how it is helping real business enterprises in achieving productivity and value. You will learn the architecture, development methodologies, marketing infrastructure, support mechanisms, database interfaces, server security and management issues as related to the software, customer interface, and documentation techniques. Extensive case studies will be used. Writing and presentations are major components. A professionally developed and publishable paper is due from each group of students.

COURSE MATERIALS

Course Website: http://courses.sysoft.com/rutgers_mis/

Text Book: Information Technology for Managers: George W. Reynolds
eBuiness for Managers: S. Adhikari

CLASS ORGANIZATION & ADMINISTRATION

Exams: There will be no make-up exams. You are required to present a written proof for situations such as going on to an emergency room due to unexpected and serious illness. Chatting during the exam is not allowed. Email communications during the exam will be considered cheating. No collaborations between class members will be allowed during any exam. There will be no extra-credit project. The exams will be closed book, closed-notes. You can bring a calculator. There will be two exams, midterm and final.
**FINAL GRADE ASSIGNMENT**

Class Attendance and Participation  10%,

Project/Paper 30%,

Exam I 30%,

Exam II 30%.

Computer Science (22:198:504)

**COURSE SCHEDULE**

(1/19) Module 1:  Introduction to Information Technology for Managers

Text Book Chapter 1: Managers: Key to Information Technology Results

Text Book Chapter 2: Strategic Planning

An Introduction to Information Systems in Organization

Hardware and Software

(1/26) Module 2:  eBusiness Architecture

Text Book Chapter 7:  E-Business

Text Book Chapter 8:  ERP: Enterprise Resource Planning

(2/2) Module 3:  Webonomics and economics of IS Development

- eMarketing
- Organizing data and information
- Telecom, Intranet, Internet, and Extranet
- Electronic and Mobile Commerce and Enterprise Systems

Text Book Chapter 6: Collaboration Tools and Wireless Networks

Text Book Chapter 11: Enterprise Architecture

(2/9) Module 4:  **EXAM I**

First draft of Paper
(2/16) Module 5: CRM and Selling Chain Management
Knowledge Management and Specialized Information Systems
Personal and Social Impact of Computers
Text Book Chapter 10: Knowledge Management

Text Book Chapter 12: Ethical, Privacy and Security Issues

(2/23) Module 6 Supply Chain Management
Systems Development and Support

Text Book Chapter 4: Business Processes and IT Outsourcing
Text book Chapter 3: Project Management

Text book Chapter 9: Business Intelligence
Text book Chapter 5: Corporate Governance and IT

3/10-3/18 Spring Break

(3/29) Module 7: Final Paper Due

EXAM II