

VICTORIA UNIVERSITY OF BANGLADESH
DEPARTMENT OF BUSINESS ADMINISTRATION

Course Profile

Master OF BUSINESS ADMINISTRATION
COURSE TITLE: Management Information System
COURSE CODE : MIS 641

Description

This course helps students see the connection between information systems (IS) and business performance. The use of information and communication technologies (ICT) by individuals and organisations dominates the business world. There is a fundamental change going on in the way that organisations run businesses and interact with each other. New types of infrastructure and applications are developed and utilized such as ERP (enterprise resource planning), IOS (inter-organisational systems), RFID (radio frequency identification), CRM (customer relationship management), to name a few.

Course Objectives

The aim of the course is to enable students to assess the opportunities and problems that managers in a wide range of organisations face as they attempt to use these IT applications to add value to their businesses. It also aims to help students understand transformational changes within and across industries. These changes have strategic implications for many businesses.

TextBooks

Essentials of Management Information Systems, 8/E, Laudon and Laudon, 2007, Prentice Hall

COURSE OUTLINES

| Class | Particulars |
|-----------------------|---|
| 1 st Class | Introduction: Define information systems, Explain how information systems transform business, Establish the value that information systems have for a business, Name the disciplines involved in information systems, Explain business processes, Recognize how systems serve different groups in business, Explain how systems improve organizational performance, Describe how technology contributes towards collaboration and teamwork within a company. |
| 2 nd Class | Information Systems in Global Business Today & Global E-Business and Collaboration- Discuss components of an information system, Explore Web 2.0 technologies, Explain how technology has transformed businesses, Discuss globalization opportunities, Identify the difference between data and information, Explain different levels in a firm and the different systems' parts of each level, Differentiate various types of functional business processes |
| 3 rd Class | Information Systems, Organizations, and Strategy- Identify the impact information systems have on an organization, Define Porter's competitive forces model and how it helps a company develop competitive strategies using information systems, Describe how the value chain and value web models help businesses identify opportunities for strategic information systems' applications, Explain the challenges posed by strategic information systems and how they should be addressed, Generalize the importance of learning about the security of the systems people use. |
| 4 th Class | IT Infrastructure and Emerging Technologies: Ethical and Social Issues in Information Systems- Describe what is IT infrastructure and what are its components, Explain the stages and technology drivers of IT infrastructure evolution, List the current trends in computer hardware platforms, Name the current trends in software platforms, Recognize the challenges of managing IT infrastructure and management solutions, Generalize the ethical, social, and political issues raised by information systems, Label specific principles for conduct that can be used to guide ethical decisions, Discuss why contemporary information systems technology and the Internet pose challenges to the protection of individual privacy and intellectual property, Identify how information systems affect everyday life. |
| 5 th Class | Ergonomics- Identify ergonomic principles, which is part of the way information systems impact everyday life , Explain proper ergonomics posture, Explore work envelopes, Discuss ergonomics principles, Define repetitive strain injuries. |
| 6 th Class | Foundations of Business Intelligence: Databases and Information Management and Securing Information Systems- Name the problems of managing data resources in a traditional file environment and how they are solved by a database system, Identify the major capabilities of database management systems (DBMS) and why a relational DBMS is so powerful, Define important principles of database design, Explain the principal tools and technologies for accessing information from databases to improve business performance and decision making, Identify why information policies, data administration, and data quality assurance are essential for managing the firm's data resources, |

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|------------------------|---|
| | Discuss why information systems are vulnerable to destruction, error, and abuse, Identify the business value of security and control, Describe the components of an organizational framework for security and control, Explain the most important tools and technologies for safeguarding information resources |
| | Mid-Term Examination |
| 7 th Class | Password Security -Understand the importance of secure passwords, which describes a portion of the value of security through the following, Explain what constitutes a strong password, Explore what constitutes a password that isn't common. |
| 8 th Class | E-Commerce: Digital Markets, Digital Goods, and Managing Knowledge - Name unique features of e-commerce, digital markets, and digital goods, Identify the principal e-commerce business and revenue models, Describe how e-commerce has transformed marketing, Explain how e-commerce has affected business-to-business transactions, Summarize the role of mobile commerce in business and what the most important m-commerce applications. |
| 9 th Class | E-Commerce: Digital Markets, Digital Goods, and Managing Knowledge - Describe the issues of building an e-commerce website, Understand the role of knowledge management and knowledge management programs in business, Identify the types of systems used for enterprise-wide knowledge management and how they provide value for businesses, Identify the major types of knowledge work systems and how they provide value for firm, Describe the business benefits of using intelligent techniques for knowledge management. |
| 10 th Class | E-Commerce & Knowledge -Explain e-commerce terminology, Explore different e-commerce types, Discuss a digital market, Identify the importance of knowledge as a company's asset |
| 11 th Class | Enhancing Decision Making -Name the different types of decisions and how the decision-making process works, Identify how information systems support the activities of managers and management decision making, Define how business intelligence and business analytics support decision making, Describe the different decision-making constituencies in an organization use of business intelligence, Explain the role of information systems in helping people working in a group make decisions more efficiently. |
| 12 th Class | Decision Making - Explain decision making at different levels, Explore roles of managers outside of information systems, Discuss group decision making and group work teams. |

COURSE EVALUATION

| Particulars | Weight | Marks |
|--------------------------------------|--------|-------|
| Works Sheet | | |
| Class Attendance | 10% | 10 |
| Class Tests | 10% | 10 |
| Presentation | 10% | 10 |
| Case Study/Field Work/Report Writing | 5% | 5 |
| Mid-term Test | 25% | 25 |
| Final Examination | 40% | 40 |
| Grand Total | 100% | 100 |

Grading System

| Marks Obtained (out of 100) | Letter Grade | | Grade Point (4 point scale) |
|-----------------------------|--------------|-------------|-----------------------------|
| 80% and above | A+ | (A plus) | 4.00 |
| 75% to less than 80% | A | (A regular) | 3.75 |
| 70% to less than 75% | A- | (A minus) | 3.5 |
| 65% to less than 70% | B+ | (B plus) | 3.25 |
| 60% to less than 65% | B | (B regular) | 3.00 |
| 55% to less than 60% | B- | (B minus) | 2.75 |
| 50% to less than 55% | C+ | (C plus) | 2.50 |
| 45% to less than 50% | C | (C regular) | 2.25 |
| 40% to less than 45% | D | (D regular) | 2.00 |
| Less than 40% | F | Fail | 0.0 |

COURSE CONDUCTION

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| Semester & Class Begin | Summer, 2017 & 15 June, 2017 |
| Course Instructor | Md. Shawan Uddin Assistant Professor Department of Business Administration |
| Credit Hour/ Week | 3 Hours & 1.5 Hour/Class |
| Total Lectures | Nineteen |
| Presentation Class | One |
| Class Test | One |
| Case Study/Field Work | One |