



# University of Management and Technology

## **School of Business and Economics**

Course Title: **Introduction to Management Information Systems**

Course Code: CS-275

Resource Person:

Department: Information Systems

### **SBE Vision**

SBE envisions its success in the sustainable contribution that it will make to the industry, academia and research in public and private sector. SBE will lead by providing professionally competent and ethically conscious human resources engaged in the global and local context to foster socio-economic growth and sustainability for the society. SBE envisages having faculty with high research potential and a deep desire for cutting edge research including collaboration with national and international partners.

### **SBE Mission**

Being a research-oriented and student-centric business school, we emphasize research publications in impact journals as well as state-of-the-art learning methodologies. We will prepare our students to become the future ethical business leaders and the guiding post for the society, while equipping them with the knowledge and skills required by world-class professionals. We will be the leading choice for organizations seeking highly talented human resource. SBE will foster internationalization with key stakeholders and actively work to exchange best practices with business schools across Pakistan through collaborations, workshops, conferences and other means.

### **Program Objectives**

BBIS aims provide students clout on best use of Information Systems for cutting the cost, time and resources in order to amplify the revenue by restructuring the business processes and by engaging conceptual, analytical and managerial competencies transformed by outcome based learning experience.

### **Course Objectives**

This course examines the role of information technology, and its management, in supporting an organization's (internally- and externally-focused) operations and strategies. Particular attention is given to issues associated with the

funding and development of business and technology architectures to enable efficient, effective, and adaptable operational, tactical and strategic actions.

## **Learning Objectives**

At the completion of the course, a student will be able to:

- Explain what a management information system (MIS) is and describe its role in decision making within organizations.
- Explain how the four components of an MIS add value to an organization.
- Solve business problems using information technology (computers, networks, and various software solutions, such as Word and Excel).
- Solve business problems using decision-making systems.
- Identify privacy, security, and freedom of information issues in a business environment.
- Solve business tasks in MS Word and Excel.

## **Learning Outcomes**

Understand the difference of Computer Sciences, Information Technology, and Information system in various perspectives. The strategy of the student to refine the information in such a way that helps the organization

## **Teaching Methodology (List methodologies used –example are given below)**

Interactive Classes  
Case based teaching  
Class activities  
Applied Projects  
Experiential Learning

## **STUDENTS ARE REQUIRED TO READ AND UNDERSTAND ALL ITEMS OUTLINED IN THE PARTICIPANT HANDBOOK**

### **Class Policy:-**

- **Be On Time**  
You need to be at class at the assigned time. After 10 minutes past the assigned time, you will be marked absent.
- **Mobile Policy**  
**TURN OFF YOUR MOBILE PHONE!** It is unprofessional to be texting or otherwise.
- **Email Policy**

**READ YOUR EMAILS!** You are responsible if you miss a deadline because you did not read your email. Participants should regularly check their university emails accounts regularly and respond accordingly.

- **Class Attendance Policy**

A minimum of 80% attendance is required for a participant to be eligible to sit in the final examination. Being sick and going to weddings are absences and will not be counted as present. You have the opportunity to use 6 absences out of 30 classes. Participants with less than 80% of attendance in a course will be given grade ‘F’ (Fail) and will not be allowed to take end term exams. International students who will be leaving for visa during semester should not use any days off except for visa trip. Otherwise they could reach short attendance.

- **Withdraw Policy**

Students may withdraw from a course till the end of the 12th week of the semester. Consequently, grade W will be awarded to the student which shall have no impact on the calculation of the GPA of the student. A Student withdrawing after the 12th week shall be automatically awarded “F” grade which shall count in the GPA.

- **Moodle**

UMT –LMS (Moodle) is an Open Source Course Management System (CMS), also known as a learning Management System (LMS). Participants should regularly visit the course website on MOODLE Course Management system, and fully benefit from its capabilities. If you are facing any problem using moodle, visit <http://oit.umt.edu.pk/moodle>. For further query send your queries to [moodle@umt.edu.pk](mailto:moodle@umt.edu.pk)

- **Harassment Policy**

Sexual or any other harassment is prohibited and is constituted as punishable offence. Sexual or any other harassment of any participant will not be tolerated. All actions categorized as sexual or any other harassment when done physically or verbally would also be considered as sexual harassment when done using electronic media such as computers, mobiles, internet, emails etc.

- **Use of Unfair Means/Honesty Policy**

Any participant found using unfair means or assisting another participant during a class test/quiz, assignments or examination would be liable to disciplinary action.

- **Plagiarism Policy**

All students are required to attach a “Turnitin” report on every assignment, big or small. Any student who attempts to bypass “Turnitin” will receive “F” grade which will count towards the CGPA. The participants submit the plagiarism report to the resource person with every assignment, report, project, thesis etc. If student attempts to cheat “Turnitin”, he/she will receive a second “F” that will count towards the CGPA. There are special rules on plagiarism for final reports etc. all outlined in your handbook.

- **Communication of Results**

The results of quizzes, midterms and assignments are communicated to the participants during the semester and answer books are returned to them. It is the responsibility of the course instructor to keep the participants informed about his/her progress during the semester. The course instructor will inform a participant at least one week before the final examination related to his or her performance in the course.

## Course Outline

Course code...240.....

Course title..... Business Information Systems

Program	
Credit Hours	3
Duration	15
Prerequisites (If any)	
Resource Person Name and Email	
Counseling Timing (Room#        )	
Contact no.	
Web Links:- (Face book, Linked In, Google Groups, Other platforms)	

**Chairman/Director Programme signature.....Date.....**

Dean's signature.....

.....Date.....

## **Grade Evaluation Criteria**

Following is the criteria for the distribution of marks to evaluate final grade in a semester.

<b>Marks Evaluation</b>	<b>Marks in percentage</b>
<b>Assignments:</b>	<b>10%</b>
<b>Quizzes:</b>	<b>10%</b>
<b>Mid Term Exam:</b>	<b>25%</b>
<b>Case Studies</b>	<b>10%</b>
<b>End Term Exam:</b>	<b>25%</b>
<b>Class Participation:</b>	<b>05%</b>
<b>Final Project:</b>	<b>15%</b>
<b>Total:</b>	<b>100%</b>

## **Recommended Text Books:**

- 1. Management Information Systems: Managing The Digital Firm**  
Kenneth C. Laudon & Jane P. Laudon, 12<sup>th</sup> Ed
- 2. Information System Management in Practice**  
Barbara C. McNurlin

### **Supplementary Material:**

1. Hands on notes.
2. Case Studies

Course: -- Introduction to Management Information Systems    Course code: -    -Book: -----

No	Topics to be covered in the course	Learning Objective of this topic	Expected Outcomes from Students	Teaching Method	Assessment Criteria	Deadlines and Homework
1	Management Information System impact on human capital in the organization	To differentiate Computer Sciences, Information Technology, Information system in various perspectives. Importance of Information System in Past, Present and in Future.	Understand the difference of Computer Sciences, Information Technology, and Information system in various perspectives. The strategy of the student to refine the information in such a way that helps the organization as well as the student.	Lecture slides as well as case analysis using various perspective to establish the dimensions and scope of approach to strategic thinking	Assignment & Class Participation / <b>Chapter 1</b>	Within a Week
2	Global E-Businesses:	What is Business Case? What is Productivity Paradox	Analyzed Product life cycle problem,	Case study Lecture	Assignment Presentation	Within a Week

	How Businesses Use Information System	Strategy? Decision Support System useful for competitive Advantage	end user development? How to measure times lags and strategic planning? Design the business case.	Video Discussion	Class participation/ <b>Chapter 2</b>	
3	Database Management	The concept of DBMS, RDBMS, Data Base Design, Normalization, DFD, ERD EARD, Data Mining, Date warehousing, Data Dictionary, Relational Model Corporate and Business Strategy Data Marts.	Understand the database structure and working of Database. Normalization rules and Data base Objects working and how to retrieve data with the help of Query.	Case study Lecture Group Discussion	Quiz 1 Assignment/ <b>Chapter 6</b>	Within a Week
4	Telecommunication and internet	Telecommunication and networking in Today's Business world. Communication Network, internet, Monitoring employee on network, wireless Revolution	To develop a focus on how to secure the information system on internet.	Case study Lecture Discussion	Assignment / <b>Chapter 7.</b>	Within a Week
5	System Application for Digital Age	E-commerce, E-business, E-marketing, Digital Market and Digital Goods. How to manage knowledge on	To understand internet and world wide capabilities, business strategies on	Case study Lecture Book	Assignment on analysis and designing	Within a Week

		internet.	internet, How EDI works, Difference between Intranet and Extranet.		/	<b>Chapter 10</b>
6	Managing Knowledge/ Questionnaires	Types of Questionnaires Importance of Questionnaires How to Conduct Questionnaires	How to gather refine and important information while they were not present there. Models of questionnaires	Lecture Research paper	Quiz 2 Assignment/ <b>Chapter 11</b>	Within a Week
7	<b>Revision</b>	<b>Midterm</b>				Within a Week
8	Organizational Information System	Competitor Analysis Competition The Value Chain Critical Success Factors.	Understand the nature of competition. Differentiate between natural and strategic competition and the goal of achieving competitive advantage	Case study Lecture Group Discussion	Class participation on case study / <b>Chapter 3</b>	Within a Week
9	Enterprise wide Information System	Achieving operational Excellence Customer Intimacy Enterprise Applications	The student should understand that How IT works on backend and How ERP becomes a business solution partner as compare to backend software.	Case study Lecture Reading Material	Assignment Quiz 3 / <b>Chapter 9</b>	Within a Week



10	Building and Managing System	System Development Life cycle System Conversion Stages and their attributes	The student should be fully aware of system development System Analysis System design System Implementation	Case study Lecture	Assignment/ <b>Chapter 13</b>	Within a Week
11	Project Management/ Managing Change	Importance of Project Management Selecting Projects Establishing the Business value of Information system Managing Project Risk	They understand the Dimension of Project Management Change Management and concept of Implementation Information System	Lecture	Quiz 4/ <b>Chapter 14</b>	Within a Week
12	Managing Global System	The Growth of International Information system Organizing International Information System.	Achieving Operational Excellence Expanding international Sales Managing Global Software Development	Case Study Lecture	Assignment / <b>Chapter 15</b>	Within a Week
13	Information system Ethics, Crime and Security	Information Privacy Information Accuracy Information Property Information Accessibility Hacking and Cracking	The student should be able to understand the concepts of security, Virus Prevention, Federal and State	Lecture case analysis	Assignment/ <b>Chapter 4</b>	Within a Week

		Internet Security	Law. Student should be able to find the gap in security and the source of this Spam emails.			
14	Management Information System – A Tool for Corporate Sustainability	Methodologies that can evaluate the degree to which companies' information systems correspond to needs determined by the objectives of sustainability the firm imposes on itself.	Creation of a general model which define the correct approach to evaluating information systems' effect on the corporate sustainability	Class Participation		Within a Week
15	Final Project	Application of all the concepts learned in above lectures		Presentation		Within a Week