

Department of Industrial Engineering			
Management Information Systems (65536)			
Total Credits	3		
major elective			
Prerequisites	-		
Course Contents			
This course introduces the field of Management Information Systems (MIS) and review the key issues related to MIS. The course main objective is to improve the students knowledge and skills related to managing information technologies. It will give an overview of the essentials for today's digital firms and give a particular focus to MIS.			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	Clarify the role of the MIS to provide competitive advantage for the organizations	K	10 %
2	Design effective database to serve a management purpose	C	10 %
3	Demonstrate and use the systems development process.	E	30 %
4	Compare various MIS related systems, applications and E-commerce	K	30 %
5	Apply MIS concepts in a real scenario	I	20 %
Textbook and/ or References			
1) Required text: Management Information Systems, 10th edition. Raymond McLeod Jr. and George P. Schell, Prentice Hall, 2007. 2) Additional Readings:Essentials of Management Information Systems: Managing the Digital Firm, Fifth Edition. Kenneth C. Laudon, Jane P. Laudon Prentice Hall, 2003, Management Information Systems: Managing the Digital Firm, 5th Edition, Kenneth C. Laudon &Jane P. Laudon, Prentice Hall, 2006. Management Information Systems, 7th edition, James A. O'Brien &George Marakas, McGraw-Hill, 2005.Managing Information Technology , E. Wainright Martin, Carol V. Brown, Daniel W. DeHayes, Jefferey A. Hoffer, William C. Perkins, Prentice Hall, 2002 .Competitive Advantage through Information Technology, Jack D. Callon , The McGraw-Hill Companies, 2000 .Information Systems Management in Practice, Barbara C. McNurlin, Pearson/Prentice hall, 2004			
Assessment Criteria		Percent (%)	
First Exam		20 %	
Second Exam		20 %	
Projects		20 %	
Final Exam		40 %	
Course Plan			
Week	Topic		
1	Introduction of course syllabus and general overview		
2	Essential Concepts		
3	Managing the digital firm		
4	Information Systems for Competitive Advantage		
5_6	Introduction to Electronic Commerce Midterm Exam 1		
7	System Users and Developers		
8	Computing and Communications Resources		
9	Database Management Systems		
10_11	Systems Development		

12_13	Midterm Exam 2
13_14	Information in Action. Human-Computer Interaction
16	Projects Presentation