University: *Fayoum University*
Faculty: *Computers and Information*
Department: *Information Systems*

Course Specification

1- Basic Information		
Code: INF 484	**Course Title:** Management Information Systems	**Year/Level:** Fourth year – First term
Programme: B.Sc degree in Information Systems	**Number of units:** **Lecture:** 3 hrs/ week **Tutorial:** 0 hrs/ week **Practical:** 2 hrs/ week	

2- Aims of Course:	1. The main objective of the course is to explain to the students the role of information technology as a business enabler. 2. Identify and explain to the student the management information systems applications including customer relationship management systems, enterprise systems, e-commerce applications, transaction processing systems, business analytics, and emerging technologies. 3. Allow the student to evaluate the organizational fit and suitability of business applications and interpret the interaction between information technology, customers, processes, data, infrastructure, participants, and environment in an organization.

3- Intended Learning Outcomes	
A- Knowledge and Understanding:	A1: Identify quality criteria that enable future development of computer-based systems. A6. Explain essential concepts, principles, and theories related to computer-application development such as: databases, information systems development A7. Demonstrate essential facts, concepts, principles and theories relating to computing and information and computer applications as appropriate to the program of study A12. Selects advanced topics to provide a deeper understanding of some aspects of the subject such as Unified Process, object-oriented analysis and design, e-commerce technologies, and Decision support systems A15. Demonstrate the extent to which a computer-based system meets the criteria defined for its current use and future development. A16. Demonstrate the life cycle principles of the information systems applications

	On completing the course, students should have: a1) Understand the basic concepts and importance of management of information systems a2) Understand the different types of information systems and how to manage them a3) Understand the ethical and social issues in the digital firm a4) Understand the different types of data resources a5) Describe the role of information technology in an organization. a6) Describe different methodologies used in the design, implementation and management of information systems.
B- Intellectual Skills:	B4. Apply solutions to a computer science problem, follow-up on solution to verify it, and if necessary restrict the solution methodologies upon the results. B.14 Identify the substituted solutions for the commercial, time, and industrial problems that faces information systems applications On completing the course, students should have: b1) Discuss different concepts of information systems and the relation between information and business. b2) Describe the different development methods to build business information system
C- Professional and Practical Skills:	C11.Develop a range of fundamental research skills that enable the graduate to continuously increase his knowledge, advance his career and pursue graduate studies. C12.Design, implements, maintains, and manages software systems. Assess the implications, risks or safety aspects involved in the operation of computing equipment within a specific context C14.Write concise, comprehensible and cognitively efficient business communications' media On completing the course, students should have: c1) Use current studies to address business needs for information systems c2) Work with different types of information systems

4-Course Content:	1. An overview of Management Information Systems (MIS), 2. objective of management information systems (MIS), management information systems (MIS) and CBIS family. 3. Stand-alone management information systems. A management information system model. 4. Management information systems in a total CBIS environment. 5. Database management system, the management dimension,

	6. the managerial activities, the management control. 7. Management information characteristics: The management dimension in processing, 8. functional applications of management information systems (MIS). 9. The production subsystem, the marketing subsystem, 10. the relationship of the MIS to other CBIS

5- Teaching and Learning Methods:	1. Lectures 2. Computer-lab Sessions 3. Practical lab work 4. Class discussions 5. Internet searches 6. Independent Work 7. Group projects 8. Problem-based Learning

6- Teaching and Learning Methods for handicapped students :	-

7- Student Assessment	
A- Assessment Methods:	1. Midterm written exam 2. Practical exam 3. Oral exam 4. Final written exam
B- Assessment schedule:	Midterm Examination: Week 7 Practical examination: Week 13 Oral Examination: Week 14 Final Examination: Week 15
C- Weighting of assessments:	Assignments and Quizzes: 0% Mid-Term Examination: 10% Practical Examination : 15% Oral Examination: 10% Final-term Examination: 65%

8- Books and References	
A- Notes:	Handed out to the students part by part
B- Essential Books (Text Books):	▪ Kenneth Laudon and Jane Laudon, "Management Information Systems".
C- Recommended Books:	▪ William S. Davis, David C. Yen, "The Information System Consultant's Handbook: Systems Analysis and Design", CRC Press.
D- Periodicals, Web sites, … etc	-

Course Professor: Dr. Hala Abdel Hameed… Department Head: Dr. Amera Idress

Course Content Intended Learning Outcomes Matrix

Course Title: Management Information Systems
Course Code: INF 484

Course Content	Week	Knowledge & Understanding						Intellectual Skills		Professional & Practical Skills	
		a1	a2	a3	a4	a5	a6	B4	B14	C11	C12
1. An overview of Management Information Systems (MIS),	1	x						x			
2. objective of management information systems (MIS), management information systems (MIS) and CBIS family.	2	x	x	x		x	x		x	x	x
3. Stand-alone management information systems. A management information system model.	3		x		x		x				
4. Management information systems in a total CBIS environment.	4	x	x	x		x					x
5. Database management system, the management dimension,	5		x		x		x			x	x
6. the managerial activities, the management control.	6		x		x						
7. Management information characteristics: The management dimension in processing,	7	x	x	x	x		x	x	x	x	
8. functional applications of management information systems (MIS).	8		x			x		x			x
9. The production subsystem, the marketing subsystem,	9								x		
10. the relationship of the MIS to other CBIS	11						x	x		x	

Course coordinator: …Dr. Halla Abdel Hameed…… Head of Department: Dr. Ameira Idrees