1. Basic Information

Course Name (as per regulations)	**Fundamentals of Information Systems**
Course Code (as per regulations)	**IS121P**
Department(s) involved in teaching the course	**Mansoura University|Faculty of Computers and Information|Information Systems**

Number of Hours/Credit Points (as per regulations)	**Theory**	**Practical**	**laboratory**	**Total**
	2	**0**	**3**	**5**

Course Type	**Compulsory**
Academic Level/Year	**Mansoura University|Faculty of Computers and Information|شعبة القسم العام|أولى القسم العام**
Academic Program	• **All Academic programmes**
Faculty/Institute	**Mansoura University|Faculty of Computers and Information**
University/Academy	**Mansoura University**
Course Coordinator Name	• **Hazem Mokhtar Mokhtar El Bakry**
Course Description Approval Date	**2025-09-07**
Approval body (attach decision/minutes of department council/competent authority/...)	**مجلس القسم**

2. Course General Description (brief summary of scientific content)

The course describes the basics and fundamentals of Information systems.

3. Course Learning Outcomes

Alignment of Course Learning Outcomes with Program Outcomes (Adopted Standards)

Program Outcomes (NARS/ARS) (according to the matrix program specs)		Course Learning Outcomes: Upon completion of the course,the student will be able to:	
Code	Text	Code	Text
A. Knowledge and Understanding			
a1	Essential facts, concepts, principles and theories relating to computing and information and computer applications as appropriate to the program of study.	a1.1	Retrieve and evaluate information
a8	Management and economics principles relevant to computing and information disciplines.	a8.1	Demonstrate time management ability
a10	Current developments in computing and information research.	a10.1	Develop management skills
B. Intellectual Skills			
b1	Analyze computing problems and provide solutions related to the design and construction of computing systems.	b1.1	Criticize the existing systems
		b1.2	analyze the problems of existing Manual IS
b2	Realize the concepts, principles, theories and practices behind computing and information as an academic discipline.	b2.1	use modern technology in retrieving information
C. Professional skills			
c2	Implement comprehensive computing knowledge and skills in projects and in deployment of computers to solve position practical problems.	c2.1	Use information technology tools to retrieve info
c6	Design, implement, maintain, and manage software systems.	c6.1	Design, implement, and evaluate an Information system
D. General Skills			
d2	Demonstrate skills in group working, team management, time management and organizational skills.	d2.1	Work effectively in a team and independently
d3	Show the use of information-retrieval.	d3.1	Retrieve and evaluate information

4. Teaching and Learning Methods

1. Lecturers

2. Practical Training in Computer Laboratories

Course Weekly Schedule

Academic Week Number	Course Content (Course Topics)	Total Weekly Hours	Expected Learning Hours			
			Theoretical Teaching (Lectures /Groups /Discussion /etc.)	Training (Practical / Clinical / etc.)	Self Learning (Tasks / Assignments / Projects / ...)	Other (Specify)
1	**Introduction, Information and Quality**	5	2	2	1	
2	**Systems and IT Concepts**	5	2	2	1	
3	**System types**	5	2	2	1	
4	**IT Systems Specifications, System modelling**	5	2	2	1	
5	**IT hardware and Software for CBIS**	5	2	2	1	
6	**IT and attaining Objectives**	5	2	2	1	
7	**IS Theory**	5	2	2	1	
8	**Mid Term Exam**	0	0	0		
9	**System Development Life Cycle**	5	2	2	1	
10	**System Quality and System performance measure**	5	2	2	1	
11	**Decision making, Transaction Processing System, and Management Information System**	5	2	2	1	
12	**IS Development Standards**	5	2	2	1	
13	**IS careers**	5	2	2	1	
14	**Ethics and Information System Professional**	5	2	2	1	
15	**Practical and Oral exams**					

5. Student Assessment Methods

No.	Assessment Method	Expected Assessment Timing (Academic Week Number)	Assessment Grades	Percentage of Total Course Grade
1	**Mid term Exam**	8	10	10
2	**Practical Exam**	15	20	20

No.	Assessment Method	Expected Assessment Timing (Academic Week Number)	Assessment Grades	Percentage of Total Course Grade
3	Oral Exam	15	10	10
4	Final Exam	16	60	60

6. Learning Resources and Support Facilities

Learning Sources (Books, scientific references, etc.)	Books	James A. O'Brien, Introduction to Information Systems, McGraw-Hill Education - Europe, 2000
Educational Equipment Supporting teaching and learning	Devices/Equipment	Smart Board
	Devices/Equipment	Datashow
	Electronic software	Ms. Excel
	Laboratory facilities	computer devices

Name and Signature
Program Coordinator
_____

Name and Signature
Course Coordinator
_____

Open course specification