



University : Shatt Al Arab
College : Engineering Technique
Department : Medical Device
Technology Engineering
Stage: Second
Lecturrer Name: Assistant
Lecturer Aya Abdul Hussein
Academic Status: Master's
Qualification: Lecturrer at : Shatt
Al Arab University

Course Weekly Outline

Course Lecturer	Assistant Lecturer Aya Abdul Hussein				
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Title	Computer applications				
Course Coordinator					
Course Objective	Preparing students to understand and apply the basic principles of computer networks, information security, e-commerce, computer maintenance, and artificial intelligence concepts, enhancing their technical proficiency and ability to deal with modern digital developments.				
Course Description	Enable students to learn about network components and security principles, use e-banking services, solve common computer problems, and understand the basics of artificial intelligence and its ethical challenges.				
Textbook	Banafa A. Introduction to Artificial Intelligence (AI). CRC Press; 2024 May 13.				
References	The Collage E-Library				
Course Assessment	Term Exam	Project	practical	Quizzes and Attendance	Final Exam
General Notes	Assessment according to Bologna system Quizzes 10% Assignments 10% Projects / Lab. 10% Report 10% Midterm Exam 10%				



Week	Date	Topics Covered	Number of Hours	Notes
1		Security and Networking: What is a network? Types of networks, basic network components, network security basics, network .troubleshooting.	3	
2		E-Commerce: Concepts of electronic banking services, including online banking, ATM and debit card services, phone banking, SMS .banking, electronic alert, and mobile banking.	3	
3		Computer Troubleshooting: Identifying and solving common hardware and software problems that computer users encounter, including basic troubleshooting techniques .and tools.	3	
4		Introduction to AI: Definition of AI, history of AI, AI techniques and approaches, challenges .and ethical considerations.	3	
5		AI in Our Daily Lives: AI in smartphones and virtual assistants like Siri or Google .Assistant.	3	
6		Applications of AI: Education, healthcare, finance, transportation, marketing, and .advertising.	3	
7		AI and Society: How AI affects social, international relations, and the future of .humanity.	3	
8		Ethical Challenges in AI: AI ethics, privacy, surveillance, and the impact of AI on the job .market.	3	

Lecturer signature

Head of Department Signature