

COURSE DESCRIPTIONS

Faculty	Science and Information Technology				
Department	Computer Science	NQF level	7		
Course Title	Introduction to Information Technology	Code	185101	Prerequisite	
Credit Hours	3	Theory	3	Practical	0
Course Leader	Dr.Belal Albataineh	email	B.bataineh@jadara.edu.jo		
Lecturers	Dr.Ayat Aljarrah Multi- Lecturers	emails	ay.aljarrah@jadara.edu.jo		
Lecture time	[10:00_11:30] Sat Mon	Classroom	Face to Face & online	Attendance	Fulltime
Semester	2 nd 2023_2024	Production	2015	Updated	2024
Type of Teaching	<input type="checkbox"/> Face to Face <input checked="" type="checkbox"/> Blended <input type="checkbox"/> Online				

Short Description
<p>This course introduces the basic concepts needed to computer science and IT students, in this course we will review the main topics that are related to our life like Internet, Web, Electronic commerce, Network, Communication media, privacy, security, ethic issues. Then we will give a look at the system unit, microprocessor, memory, motherboard, and system software. The study of these topics will be appropriate to the level of the student considering that this course is preliminary course and not advanced one.</p>
Course Objectives
<p>The objective of this course is to provide students the basics needed to understand the concepts necessary for success. This course helps students in understanding and awareness the effects of information technology on people and on our life. Introducing information technology in our life caused a change in the life style of many people, some changes are positive and some changes are negative, for that this course will analyze the effects of this technology from the people perspective, environment, and companies.</p>

Course Intended Learning Outcomes (CILOs)
A. Knowledge - Theoretical Understanding
a1. <u>Distinguish</u> between system software and application software. (K1)
a2. <u>Identify</u> the types of system software, the parts of information systems. (K2)
B. Knowledge - Practical Application
a3. <u>Describe</u> and identify the different types of networks, network architecture, and network topology. (K4)
C. Skills - Generic Problem Solving and Analytical Skills

D. Skills - Communication, ICT, and Numeracy
E. Competence: Autonomy, Responsibility, and Context
Teaching and Learning Methods
<input checked="" type="checkbox"/> Face to Face Lectures <input type="checkbox"/> Brain Storming <input type="checkbox"/> Synchronous remote <input checked="" type="checkbox"/> Asynchronous remote <input checked="" type="checkbox"/> Using Video <input type="checkbox"/> Discussions <input type="checkbox"/> Research Project <input type="checkbox"/> Case Study <input type="checkbox"/> Field visit <input type="checkbox"/> Problem solving
Assessment Methods
<input type="checkbox"/> Formative Assessment <input checked="" type="checkbox"/> Quiz <input type="checkbox"/> Lab Exam <input checked="" type="checkbox"/> Homework <input type="checkbox"/> Project Assessment <input type="checkbox"/> Oral Presentation <input checked="" type="checkbox"/> Midterm <input checked="" type="checkbox"/> Final Exam

Course Contents					
Week	Hours	CILOs	Topics	Teaching & Learning Methods	Assessment Methods
1.	3	a1 a2 a3	Information technology the Internet, and you (Information system, and its parts, software, hardware)	online Distance learning	Assignment Quiz
2.	3	a1 a2 a3	The Internet, the Web and Electronic commerce (Internet, communication, search tools, electronic commerce, cloud computing) (General purpose application, specialized Application Software application, mobile application)	online Distance learning	Quiz
3.	3	a1 a2 a3	System Software (Operating systems, Mobile operating systems)	online Distance learning	Assignment
4.	3	a1 a2 a3	The system unit (Desktop, notebooks, tablet microprocessor, memory, bus lines, ports) Input & output Devices Secondary Storage	online Distance learning	Quiz
5.	3	a1 a2 a3	Mid Exam Numbering Systems	online Distance learning	Assignment
6.	3	a1 a2 a3	Communication and networks (Communication channels, devices, data transmission, network types, network architecture)	online Distance learning	
7.	3	a1 a2 a3	Privacy, Security, and Ethics	online Distance learning	Quiz

8.	2	a1 a2 a3	Final Exam		
Infrastructure					
Textbook		Computing Essentials 2017 Making IT Work for You. Timothy O’Leary/ Lind I. O’Leary. 2017 . McGraw-Hill. ISBN 978-0-07-131551-7			
References		Introduction to information Technology Managerial Perspective . Efram Turban			
Required reading					
Electronic materials		Elearning server Jadara University			
Other					

Course Assessment Plan						
Assessment Method		Grade	CILOs			
			a1	a2	a3	
First (Midterm)		30	15	11	4	
Second (if applicable)						
Final Exam		40	13	17	10	
Coursework						
Coursework assessment methods	Assignments	10	5	4	1	
	Case study					
	Discussion and interaction					
	Group work activities	10	4	4	2	
	Lab tests and assignments					
	Presentations					
	Quizzes	10	7	1	2	
Total		100	44	37	19	

Plagiarism
<p>Plagiarism is claiming that someone else's work is your own. The department has a strict policy regarding plagiarism and, if plagiarism is indeed discovered, this policy will be applied. Note that punishments apply also to anyone assisting another to commit plagiarism (for example by knowingly allowing someone to copy your code).</p> <p>Plagiarism is different from group work in which a number of individuals share ideas on how to carry out the coursework. You are strongly encouraged to work in small groups, and you will certainly not be penalized for doing so. This means that you may work together on the program. What is important is that you have a full understanding of all aspects of the completed program. In order to allow proper assessment that this is indeed the case, you must adhere strictly to the course work requirements as outlined above and detailed in the coursework problem description. These requirements are in place to encourage individual understanding, facilitate individual assessment, and deter plagiarism.</p>