



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Software Engineering Department

SE103 Introduction To Information Technology
First Semester 2021-2022

Course Catalog
3 Credit Hours. The course aims at providing a brief introduction to the latest major concepts of Information Technology (IT) encompasses the Internet of Things and smart systems, cyber security, artificial intelligence, big data, blockchain, and social media. A perspective foundation on the range of underlying theoretical and practical principles regarding information technology and how they impact the lifestyle of individuals is presented.

Text Book	
Title	Technology in Action
Author(s)	Alan Evans, Kendall Martin, Mary Anne Poatsy.
Edition	16th Edition
Short Name	Ref#1
Other Information	ISBN 9780135435199

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Computer Science: AN OVERVIEW	J. Glenn Brookshear,	13th Edition	ISBN 10: 1-292-26342-3
Ref#3	C How to Program,	paul deitel harvey deitel	9th Edition	

Instructor	
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Class Schedule & Room

<p>Section 1: Lecture Time: Sun, Tue, Thu : 17:00 - 18:00 Room: منصة الكترونية</p> <p>Section 2: Lecture Time: Mon, Wed : 17:00 - 18:30 Room: منصة الكترونية</p> <p>Section 3: Lecture Time: Sun, Tue, Thu : 18:00 - 19:00 Room: منصة الكترونية</p> <p>Section 4: Lecture Time: Mon, Wed : 18:30 - 20:00 Room: منصة الكترونية</p> <p>Section 5: Lecture Time: Sun, Tue, Thu : 19:00 - 20:00 Room: منصة الكترونية</p> <p>Section 7: Lecture Time: Mon, Wed : 20:00 - 21:30 Room: منصة الكترونية</p>
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Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Impact of Technology on society : AI applications and big data	Chapter 1 From Ref#1
Weeks 3, 4	Looking at Computers: Understanding the Parts	Chapter 2 From Ref#1
Weeks 5, 6	Data storage and Bit Representation	Chapter 1 From Ref#2
Weeks 7, 8	Introduction to programming	Chapter 1,2 and 3 From Ref#3
Weeks 9, 10	Networking and IoT	Chapter 7 From Ref#1
Weeks 11, 12	Cybersecurity	Chapter 9 From Ref#1
Weeks 13, 14	Internet and Social Media	Chapter 3 From Ref#1
Weeks 15, 16	Software Engineering	Chapter 7 From Ref#2

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Explain the role of information technology and its foundation basics. [1SM1p]	10%	
Understand the impacts of information technologies on everyday life. [1ET1p, 1ET2p]	10%	
Gain knowledge with the technologies behind artificial intelligence and machine learnings. [1D2p, 1H]	10%	
Get familiar with latest topics about cyber security technology. [1D2p, 1EA4p]	10%	
Get exposure to the essentials and operating principles of the Internet of Things and smart systems. [1D2p, 1EP1p]	10%	
Understand core concepts and applications behind big data problems. [1EP1p]	10%	
Get aware of how public relations and marketing have changed due to the rise of social media. [1ET2p]	10%	
Learn about how using information technology would change the world. [1H]	10%	
Acquire insight into the future trends of technologies. [1SM1p]	10%	
impact of software engineering in system development [1C]	10%	

Relationship to Program Student Outcomes (Out of 100%)																															
A	B	C	D	E	F	G	H	I	J	K	SM1p	SM2p	SM3p	EA1p	EA2p	EA3p	EA4p	D1p	D2p	D3p	D4p	D5p	D6p	ET1p	ET2p	ET3p	ET4p	ET5p	ET6p	EP	
		10					15				20						5		15					5	15						1

Evaluation	
Assessment Tool	Weight
Midterm Exam	30%
Final Exam	50%
Quizzes	20%

Policy	
P1	? If you miss a class, it is your responsibility to find out about any announcements or assignments you may have missed. ? University policies will be applied regarding attendance. ? A makeup exam should not be given unless there is a valid excuse.