MODULE DESCRIPTION FORM

نموذج وصف مادة مقدمة إلى نظم المعلومات

Module Information معلومات المادة الدراسية					
Module Title	**Introduction to Information System**			**Module Delivery**	
Module Type	**Core**			16. ☒ **Theory** 17. ☒ **Lecture** 18. ☒ **Lab** 19. ☐ **Tutorial** 20. ☐ **Practical** 21. ☐ **Seminar**	
Module Code	**CSTE1102**				
ECTS Credits	**6**				
SWL (hr/sem)	**150**				
Module Level	1		**Semester of Delivery**	1	
Administering Department	CSTE		**College**	EETC	
Module Leader	Issraa Hayder Hashim		**e-mail**		
Module Leader's Acad. Title	Assistant lecturer		**Module Leader's Qualification**	MSc	
Module Tutor			**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date			**Version Number**	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	The purpose of this course is to provide computer literacy to the student. The course prepares the student for a successful working relationship with computerized systems. It will present to him/her what the computer is, what it can and cannot do, how it operates, how it is programmed, how it is used as a tool in decision-making, and the social implementations of computer usage. Students should be acquainted with handling and managing data and information in business organizations. They should also understand the meaning of "Information Systems and technology and their effects on organizations, the different business information systems, and the development life cycle. Students must learn about Computer Hardware and Software and various types of computer networks. Students should know how to deal with e-commerce.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	As a result of taking this course, the student should be able to: 22. Know and understand various principles and fundamentals of Information Systems and Information Technology. 23. Analyze the types and functions of computers and the components of a computer system. 24. Define and categorize application and system software and use general-purpose application packages. 25. List the various network communication technologies and network components. 26. Understand the basics of network security. 27. Explain the Internet, Intranets, and Extranets systems. 28. Understand the basic concepts of database systems and data warehousing. 29. Explain the importance of E-Commerce. 30. Understand the GIS and MIS systems. 31. Describe the system and program development lifecycles. 32. Demonstrate data privacy and security.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. The Information Age in Which You Live (Types of Information systems, Competitive advantages) Computer Hardware (Input devices, Output devices, Storage devices, Categories of computers) Computer Software (System software, Application software) Network components, Network classification, Network communications media, Network security, The client/server software model

	Database and Data Warehouse (The relational database model, database management system tools, data warehouse, and data mining) E-commerce business models, understand your business & products & services & customers and move money easily and securely. Management Information and Decision Support Systems (MIS, DSS: definitions, inputs, and outputs) System development life cycle, Component-based development, End-user development, prototyping Protecting People and Information (Ethics, Privacy, Security)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage student's participation in the exercises while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials, and by considering the type of simple experiments involving some interesting sampling activities for the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	79	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	71	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

Module Evaluation
تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 3, 7, 8 and 9
	Assignments	2	10% (10)	2, 12	LO # 4, 5, and 7
	Projects / Lab.	5	15% (15)	Continuous	
	Report	1	5% (5)	13	LO # 8, 9 and 10
Summative assessment	Midterm Exam	2hr	10% (10)	7	LO # 1-6
	Final Exam	4hr	50% (40 + 10)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)
المنهاج الاسبوعي النظري

	Material Covered
Week 1	Information Systems: An Overview
Week 2	Computer Hardware
Week 3	Computer Software
Week 4	Network Basics
Week 5	Network Security
Week 6	Internet, Intranet, and Extranet
Week 7	Mid Term Exam + Database Systems
Week 8	Data Warehousing
Week 9	E-Commerce
Week 10	Global Information Systems
Week 11	Management Information System
Week 12	System Development Life Cycle
Week 13	Data privacy, security, and Ethics
Week 14	Emerging Trends, Technologies, Applications
Week 15	Preparing for final exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1: Computer Hardware Components
Week 2	Lab 2: Microsoft Windows
Week 3	Lab 3: Internet, Web, Email
Week 4	Lab 4: Computer Network Components
Week 5	Lab 5: Microsoft Word
Week 6	Lab 6: Microsoft PowerPoint
Week 7	Lab 7: Microsoft Excel

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	Shelly B. Gary, Vermaat E. Misty. Discovering Computers: Fundamentals. Shelly Cashman Series, Course Technology, latest edition.	No
Recommended Texts	Using Information Technology 10th Edition. 2013, by Brian K. Williams & Stacey C. Sawyer, McGraw-Hill	No
Websites	Cisco Networking Academy, Get Connected Course, Computer Hardware Basics, Computer Software basics	

Grading Scheme مخطط الدرجات				
Group	**Grade**	التقدير	**Marks (%)**	**Definition**
Success Group (50 - 100)	**A -** Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	**FX –** Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.