



Ministry of Higher Education and  
Scientific Research - Iraq  
University of Technology  
Department of Computer Sciences  
Information System Branch



## MODULE DESCRIPTOR FORM

### نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
<b>Module Title</b>	PRINCIPLE OF INFORMATION SYSTEM		<b>Module Delivery</b>	
<b>Module Type</b>	CORE		<b>Theory</b> <b>Lecture</b> <b>Lab</b> <b>Tutorial</b> <b>Practical</b> <b>Seminar</b>	
<b>Module Code</b>	PRIS114			
<b>ECTS Credits</b>	4			
<b>SWL (hr/sem)</b>	100			
<b>Module Level</b>	1	<b>Semester of Delivery</b>		1
<b>Administering Department</b>	Type Dept. Code	<b>College</b>	Type College Code	
<b>Module Leader</b>	Wisam ali mahmood		<b>e-mail</b>	wisam.A.ALNADEEM@uotechnology.edu.iq
<b>Module Leader's Acad. Title</b>	Lecturer	<b>Module Leader's Qualification</b>	MSc.	
<b>Module Tutor</b>	None	<b>e-mail</b>	None	
<b>Peer Reviewer Name</b>		<b>e-mail</b>		
<b>Review Committee Approval</b>		<b>Version Number</b>		

Relation With Other Modules			
العلاقة مع المواد الدراسية الأخرى			
<b>Prerequisite module</b>	None	<b>Semester</b>	
<b>Co-requisites module</b>	None	<b>Semester</b>	

## Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<b>Module Aims</b> أهداف المادة الدراسية	<ol style="list-style-type: none"><li>1. To develop problem solving skills and understanding of information system through the application of techniques.</li><li>2. Determining the requirements of institutions in information systems.</li><li>3. This course deals with the basic principles of information system.</li><li>4. System Analysis and design</li><li>5. Development and implementation of information systems</li></ol>
<b>Module Learning Outcomes</b> مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"><li>1. Understand the importance of determining information system requirements for all management and employees by developing an understanding of the differences between various types of information systems</li><li>2. Understand how information systems are developed</li><li>3. Understand the computer revolution and its impact on the way business is conducted</li><li>4. Become familiar with critical-thinking skills in identifying information systems problems and how to investigate existing literature about hardware and software solutions to problems.</li><li>5. Know the components and functions of computer systems, both hardware and software.</li><li>6. Become familiar with the advances in networking, data communications and the Internet and how they affect the way business is conducted.</li><li>7. Identify which information technology tools are used to solve various business problems.</li><li>8. 8. Develop proficiency solving business problems using modern productivity tools (e.g., spreadsheet, database) or creating custom programs.</li></ol>
<b>Learning and Teaching Strategies</b> استراتيجيات التعلم والتعليم	
<b>Strategies</b>	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' 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 type of simple experiments involving some sampling activities that are interesting to the students.

<b>Student Workload (SWL)</b> الحمل الدراسي للطالب			
<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطالب خلال الفصل	63	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطالب أسبوعيا	4
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطالب أسبوعيا	
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطالب خلال الفصل	100		

<b>Module Evaluation</b> تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
<b>Formative assessment</b>	<b>Quizzes</b>	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	<b>Assignments</b>	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	<b>Projects / Lab.</b>	1	10% (10)	Continuous	
	<b>Report</b>	1	10% (10)	13	LO # 5, 8 and 10
<b>Summative assessment</b>	<b>Midterm Exam</b>	2 hr	10% (10)	7	LO # 1-7
	<b>Final Exam</b>	2hr	50% (50)	16	All
<b>Total assessment</b>			100% (100 Marks)		

<b>Delivery Plan (Weekly Syllabus)</b> المنهاج الاسبوعي النظري	
	Material Covered
<b>Week 1</b>	➤ Information Systems in Perspective
<b>Week 2</b>	➤ An Introduction to Information Systems
<b>Week 3</b>	➤ Information Technology Concepts <ul style="list-style-type: none"> <li>• Hardware and Mobile Devices</li> </ul>
<b>Week 4</b>	➤ Information Systems in Organizations
<b>Week 5</b>	<ul style="list-style-type: none"> <li>• Software and Mobile Applications</li> </ul>
<b>Week 6</b>	<ul style="list-style-type: none"> <li>• Database Systems and Big Data</li> </ul>
<b>Week 7</b>	<ul style="list-style-type: none"> <li>• Networks and Cloud Computing</li> </ul>
<b>Week 8</b>	➤ Business Information Systems
<b>Week 9</b>	<ul style="list-style-type: none"> <li>• Electronic and Mobile Commerce</li> </ul>
<b>Week 10</b>	<ul style="list-style-type: none"> <li>• Enterprise Systems</li> </ul>
<b>Week 11</b>	<ul style="list-style-type: none"> <li>• Business Intelligence and Analytics</li> </ul>
<b>Week 12</b>	<ul style="list-style-type: none"> <li>• Knowledge Management and Specialized Information Systems</li> </ul>

<b>Week 13</b>	<ul style="list-style-type: none"> <li>➤ Planning, Acquiring, and Building Systems</li> <li>➤ Strategic Planning and Project Management</li> <li>➤ System Acquisition and Development</li> </ul>
<b>Week 14</b>	<ul style="list-style-type: none"> <li>➤ Information Systems in Business and Society <ul style="list-style-type: none"> <li>• Cybercrime and Information System Security</li> <li>• Ethical, Legal, and Social Issues of Information Systems</li> </ul> </li> </ul>
<b>Week 15</b>	CASE ONE: Connecting Patient Monitoring Devices to EHRs CASE TWO: BMW: Automaker Competes on the Digital Front
<b>Week 16</b>	<b>Final Exam</b>

<b>Learning and Teaching Resources</b> مصادر التعلم والتدريس		
		<b>Available in the Library?</b>
<b>Required Texts</b>	1. Principles of Information Systems, Ralph M. Stair Professor Emeritus, Florida State University George W. Reynolds Instructor, Strayer University Australia, 2018	Yes
<b>Recommended Texts</b>		
<b>Websites</b>		

**APPENDIX:**

<b>GRADING SCHEME</b> مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
<b>Success Group (50 - 100)</b>	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
<b>Fail Group (0 - 49)</b>	FX – Fail	مقبول بقرار	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
<b>Note:</b>				

NB 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.