Unit Information
Course Information

Unit Title	**Information Technology**		**Unit delivery**
Unit Type	**fundamental**		نظريه ☒
Unit Code	WBM-21-04		حاضر ☒
ECTS Credits	**8**		المختبر ☒
			تعليمي ☐
SWL (ساعة / SEM)	**125**		عملي ☐
			☐ Seminar

Unit level	1	**Delivery Semester**	1
Department of Administration	Bioengineering	**College**	College of Engineering
Unit Commander	Hassan al Jalal	**E-mail Address**	algelalh@uowa.edu.ig
Title of Unit Commander	Assistant Lecturer	**Unit Commander Qualifications**	Master
Unit Teacher		**E-mail Address**	
Peer Reviewer Name	name	**E-mail Address**	E-mail Address
Date of accreditation of the Scientific Committee	26/9/2024	**Version number**	1.0

Relationship with other units
Relationship with other subjects

Prerequisites Unit	No	**Semester**	
Common Requirements Unit	No	**Semester**	

	Unit objectives, learning outcomes and how-to contents Course objectives, learning outcomes and instructional contents
Objectives of the Unit Course Objectives	The objectives of the Information Technology module include understanding the basic principles of information technology and enabling students to understand the basic concepts in the fields of software, hardware, and networks. It also aims to develop technical skills by training students to use various programs and applications that help solve technical problems. In addition, students are taught how to analyze and design information systems and solve related problems. The module enhances students' ability to interact with modern technologies and adapt to ongoing technological developments. It is also done Introduce students to the concepts of digital security and protection and how to secure information on the Internet. Finally, the module aims to enable students to use information technology to improve personal and organizational performance in work environments.
Unit Learning Outcomes Learning outcomes of the course	The learning outcomes of the Information Technology module include the student's ability to understand and use basic concepts of information technology such as software, hardware, and networking. He also acquires the skill of using various computer applications and programs to solve technical problems. The student is able to analyze and design information systems and process data effectively. In addition, the student understands how to interact with modern technologies and adapt to constant technological changes. The student learns about the basics of cybersecurity and how to protect information from digital risks. Finally, he can apply information technologies to improve personal and organizational performance in different work environments.
Indicative Contents Indicative Contents	Introduction to Information Technology and its Basics Computer components in terms of hardware and software Operating systems and their uses Networks, their types and how to connect online Word processing software and spreadsheet Cybersecurity and information protection concepts Internet applications and cloud services File management and data organization Fundamentals of programming and software applications Modern technologies and their impact on business and societies

	Learning and Teaching Strategies Learning and Teaching Strategies
Strategies	The learning and teaching strategy in the Information Technology Unit is based on combining theoretical lectures with practical activities. Students are encouraged to use software applications to solve technical problems and present practical projects. The strategy also includes student learning through collaborative learning and group discussions to exchange experiences and ideas. Modern technology such as simulations and interactive programs are used to enhance understanding and active participation.

<table>
<tr><td colspan="4" align="center">Student Workload (SWL)
The student's academic load is calculated for 15 weeks</td></tr>
<tr><td align="right">SWL منظم (h / sem)
Regular academic load of the student during the semester</td><td align="center">64</td><td align="right">SWL regulator(h/s)
Regular student load per week</td><td align="center">4</td></tr>
<tr><td align="right">SWL غير منظم (h / sem)
Irregular academic load of the student during the semester</td><td align="center">61</td><td align="right">Unregulated SWL (h/s)
Irregular student academic load per week</td><td align="center">4</td></tr>
<tr><td align="right">SWL إجمالى (h / sem)
The student's total academic load during the semester</td><td colspan="3" align="right">125</td></tr>
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<table>
<tr><td colspan="6" align="center">Unit Evaluation
Course Evaluation</td></tr>
<tr><td colspan="2" align="right">As</td><td>Time/Number</td><td>Weight (tags)</td><td>Week due</td><td>Related learning outcomes</td></tr>
<tr><td rowspan="4">Formative Assessment</td><td>Contests</td><td>2</td><td>10% (10)</td><td>5, 10</td><td>LO #1 , 2, 10 and 11</td></tr>
<tr><td>Assignments</td><td>2</td><td>10% (10)</td><td>2, 12</td><td>LO #3 , 4, 6 and 7</td></tr>
<tr><td>Projects /Laboratory.</td><td>1</td><td>10% (10)</td><td>continuous</td><td>every</td></tr>
<tr><td>report</td><td>1</td><td>10% (10)</td><td>13</td><td>LO #5 , 8 and 10</td></tr>
<tr><td rowspan="2">Final Assessment</td><td>Midterm Exam</td><td>2 hr</td><td>10% (10)</td><td>7</td><td>LO #1-7</td></tr>
<tr><td>Final Exam</td><td>2 hours</td><td>50% (50)</td><td>16</td><td>every</td></tr>
<tr><td colspan="2" align="right">Overall Rating</td><td colspan="2">100% (100 degree)</td><td></td><td></td></tr>
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<tr><td colspan="2" align="center">Delivery Plan (Weekly Curriculum)
Theoretical Weekly Curriculum</td></tr>
<tr><td>week</td><td align="right">Covered Material</td></tr>
<tr><td>Week 1</td><td align="right">Introduction to Information Technology</td></tr>
<tr><td>Week 2</td><td align="right">Size and types of calculators</td></tr>
<tr><td>Week 3</td><td align="right">The future of IT</td></tr>
<tr><td>Week 4</td><td align="right">How computers work</td></tr>
<tr><td>Week 5</td><td align="right">Primary operations of computers</td></tr>
<tr><td>Week 6</td><td align="right">CPU & Memory</td></tr>
<tr><td>Week 7</td><td align="right">Program System</td></tr>
<tr><td>Week 8</td><td align="right">Software Applications</td></tr>
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	Learning and Teaching Resources Learning and Teaching Resources	
	text	**Available in the library?**
Required texts	Brian K. Williams_ Stacey C. Sawyer - Using information technology _ a practical introduction to computers _ communications	Yes
Recommended texts		Yes
Websites		

			Grading chart Grading chart	
group	**degree**	Appreciation	**Tags (%)**	**definition**
An-Najah Group (50 - 100)	**A -** Excellent	privilege	90 - 100	Outstanding Performance
	B - Very Good	Very good	80 - 89	Above average with some errors
	C - Good	Good	70 - 79	Proper work with noticeable errors
	D - Satisfactory	medium	60 - 69	Fair but with significant shortcomings
	E - sufficient	Acceptable	50 - 59	The work meets the minimum standards
Group failure (0 – 49)	**FX -** Failed	Deposit (in (processing	(45-49)	More work required but credit granted
	F - Failed	Failure	(0-44)	Large amount of work required

Note: Signs that are more than 0.5 decimal places greater than or below the full mark will be rounded higher or lower (for example, a score of 54.5 will be rounded to 55, while a mark of 54.4 will be rounded to 54. The university has a policy of not tolerating "imminent traffic failure", so the only modification to the marks granted by the original mark(s) will be the automatic rounding described above.