

مختصر توصيف المقرر

(Course Information)

معلومات المقرر*

اسم المقرر:	مقدمة في علم الحاسب
رقم المقرر:	فيز 101
اسم ورقم المتطلب السابق:	--
اسم ورقم المتطلب المرافق:	--
مستوى المقرر:	الأول
الساعات المعتمدة:	3+3) 0(0+
Module Title:	Introduction to computer science
Module ID:	CSI 101
Prerequisite:	--
Co-requisite:	--
Course Level:	First
Credit Hours:	3 (3+0+0)

وصف المقرر :

Module Description

The objective of the course is to prepare students for freshman science courses taught in English by emphasizing knowledge of the essential concepts of computer technology and is able to use a personal computer and common computer applications at a recognized level of competence.

أهداف المقرر :

Module Aims

1	Introduction to computers	1
2	The Internet and World Wide Web	2
3	Application Software	3
4	The Components of the System Unit	4
5	Input and Output	5
6	Operating Systems and Utility Programs	6

مخرجات التعليم:

Learning Outcomes:

1	A. <u>Knowledge and Understanding</u> (students should be able to): a1) Be able to understand computer concepts. a2) Be able to understand computer hardware. a3) Be able to understand computer software a4) Be able to understand principles of internet and its ethics a5) Be able to understand input and output devices. a6) Be able to understand operating system concepts	1
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2	B. Intellectual skills (students should be able to): b1) To recognize different types of computers parts. b2) To compare between computer software and hardware. b3) To analyze and determine which operating system should be used.	2
3	C. Subject specific skills (students should be able to): c1) Discuss various computer types c2) Elaborate on differences of computer components. c3) Quantify the values of internet protocol, parameters and ethics, and indicate their advantages and disadvantages in our lives	3
4	D. Transferable skills (students should be able to): d1) Work in group d2) Plan projects with different design phases d3) Acquire some presentation skills	4

محتوى المقرر:

Course Contents:

ساعات التدريس (Hours)	عدد الأسابيع (Weeks)	قائمة الموضوعات (Subjects)
8	2	1- Introduction to computers <ul style="list-style-type: none"> • A WORLD OF COMPUTERS. WHAT IS A COMPUTER? • THE COMPONENTS OF A COMPUTER • COMPUTER SOFTWARE • CATEGORIES OF COMPUTERS • ETHICS & ISSUES: Who Should Monitor Online Social Networks? • COMPUTER APPLICATIONS IN SOCIETY
8	2	2- The Internet and World Wide Web <ul style="list-style-type: none"> • THE INTERNET • HOW THE INTERNET WORKS • THE WORLD WIDE WEB • OTHER INTERNET SERVICES • NETIQUETTE
8	3	3- Application Software <ul style="list-style-type: none"> • APPLICATION SOFTWARE • BUSINESS SOFTWARE • GRAPHICS AND MULTIMEDIA SOFTWARE • SOFTWARE FOR HOME, PERSONAL, AND EDUCATIONAL USE • APPLICATION SOFTWARE FOR COMMUNICATIONS • POPULAR UTILITY PROGRAMS • LEARNING AIDS AND SUPPORT TOOLS FOR APPLICATION SOFTWARE
8	3	4- The Components of the System Unit <ul style="list-style-type: none"> • THE SYSTEM UNIT • PROCESSOR • DATA REPRESENTATION

		<ul style="list-style-type: none"> • MEMORY • EXPANSION SLOTS AND ADAPTER CARDS • PORTS AND CONNECTORS • BUSES • BAYS • POWER SUPPLY • MOBILE COMPUTERS AND DEVICES
4	2	5- Input and Output <ul style="list-style-type: none"> • INPUT DEVICES AND OUTPUT DEVICES • STORAGE DEVICES • PC CARDS AND EXPRESSCARDS
4	2	6- Operating Systems and Utility Programs

الكتاب المقرر والمراجع المساندة:

Textbook and References:

سنة النشر Publishing Year	اسم الناشر Publisher	اسم المؤلف (رئيسي) Author's Name	اسم الكتاب المقرر Textbook title
4 th edition 2011	Course Technology	Shelly, Cashman, Vermaat	"Discovering Computers fundamentals" <i>ISBN-10: 1-4239-1209-8</i>
سنة النشر Publishing Year	اسم الناشر Publisher	اسم المؤلف (رئيسي) Author's Name	اسم المرجع Reference
2015	I K International Publishing House	Manaullah Abid and Mohammad Amjad	Fundamentals of Computers