

Department of Computer Engineering

Course Specification

1- Basic information:		
Code No.: CC 111	Course title: Introduction to Computers	Academic Level / Year: 1st. year
Teaching Hours/week: Lecture: 2 Lab: 2 Credit: 3 Hrs		Specialization: Gen

Evaluation Sign	Evaluation Points	Percentages (%)
A+	12/3=4	from 9.5 to 100
A	11.5/3=3.83	From 90 to less than 95
A-	11/3=3.66	From 85 to less than 90
B+	10/3=3.33	From 80 to less than 85
B	9/3=3.00	From 75 to less than 80
B-	8/3 =2.66	From 70 to less than 75
C+	7/3 =2.33	From 65 to less than 70
C	6/3 = 2.00	From 60 to less than 65
C-	5/3 = 1.66	From 55 to less than 60
D	3/3 = 1.00	From 50 to less than 55
F	Zero	less than 50

- ▶ I In Complete
- ▶ W Withdrawn
- ▶ U Un Graded
- ▶ AU Audit
- ▶ TR Transferred
- ▶ P Pass
- ▶ F Fail

2- Overall aims of the Course:	On the completion of this course the students should be able to :
This course provides an introduction to computers and computing .Topics of interest include the impact of computers on society, ethical issues, and hardware /software applications, including internet applications, system unit, storage and input/output devices, numbering systems, system and application software, presentation skills, program development, programming languages, and flow charts, Visual Basic, web page design using HTML, and communications and networks.	The students must <ol style="list-style-type: none"> 1. Have general understanding of what computers are and how they operate. 2. Have good skills in using windows, MS PowerPoint, HTML and Visual Basic. 3. Learn problem solving techniques and program development. 4. Know the available programming languages and their capabilities.

3- Intended Learning Outcomes

<p>a- Knowledge and Understanding</p>	<ul style="list-style-type: none"> • K2.Study basic information s of computers and different types of computers and uses • K 11. Discussing economical uses of computers • Uses of computer in different areas of life • K2. Learning and discussing processor and different memory unit • K 17. Studying recent types of processing units and memory • K2. Study size and types of storage ,input and output devices • K 16. Studying Different types of storage media • K1.Converting between different numbering systems • K 16. Knowing software and applications such as images, graphics....etc • K 6. Using flowcharts for solving different types of problems • K 6. Visual basic language code to make small programs • K 6. Studying HTML language code to design web pages • K 12. Studying HTML language to design web pages • K2. Learning basics of network and network types and topologies. • K 8. Discussing uses of networks in different areas • K 17. Learning different types of networking used in real world • K 11. Studying ethics of uses of IT technologies • K 9. Learn the ethics of how to deal with others entities in the technology world and other users • K 11. Discussing the developments computer world and its effect on the different environmental • K 17. Studying the effect of computer role in the real world and business world
<p>b- Intellectual Skills</p>	
<p>c- Professional Skills</p>	<p>P1.Studying mathematical of converting between different numbering systems</p> <p>P1. Studying how to design flowcharts used to solve different problems</p> <p>P1.use visual basic to convert flowchart to a real program.</p>
<p>d- General Skills</p>	<p>G3.how to deal with computer and the use of the computers in real world</p> <p>G3. Discussion of different ethics and computer crimes.</p>

4- Course Contents:

- i. Computer Impact on our Daily Lives.
- ii. Inside Computers: The Processor, the Memory and Storage System
- iii. Systems and Application Software.
- iv. Database Management Systlems and Applications.
- v. Web based Design and Application.
- vi. Program Development Life Cycle.
- vii. 7th week exam.
- viii. Problem Solving 1.
- ix. Problem Solving 2.
- x. Programming langue 1: Python.
- xi. Programming langue 2: Python.
- xii. 12th week exam.
- xiii. Programming langue 3: Python.
- xiv. Computer networks Fundamentals and Security.
- xv. Social Issues: Ethics, Computer Crime, Privacy, and other Social Issues.

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	20 MIDTERM		5		5 MINI PROJECT		30
8 to 12	15 12TH WEEK EXAM		5		5 MINI PROJECT		20
13 to 15			5				10
16 or 17	40 Final						40
Total	75	0	15	0	10	0	100

REFERENCES

Textbook Understanding Computers: Today & Tomorrow by Deborah Morley and Parker S. Charles, Cengage Learning 2011

Course Coordinator

Head of Department

[Prof. Hesham N. Elmahdy]

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