

TECHNICAL AND COMPUTER ORGANIZATION 2 COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	baghdad university / college of science for women
2. University Department/Centre	computer science
3. Course title/code	technical and computer organization 1/ 110 CTC2
4. Programme(s) to which it contributes	all students of technical and computer organization 2
5. Modes of Attendance offered	First stage / first semester

6. Semester/Year	First stage / first semester
7. Number of hours tuition (total)	90 hours / 30 theoretical/ 60 practical
8. Date of production/revision of this specification	19-6-2016
9. Aims of the Course	
<p>This course aims to enable the student to learn and absorb the computer and its characteristics and types of computer architecture .</p> <p>Students will also recognize the multiple computer languages preparation systems.</p> <p>The decision also aims to introduce students to the operating system Windows 7 in a practical way in the computer labs .</p>	

10· Learning Outcomes, Teaching ,Learning and Assessment Method
<p>L- Knowledge and Understanding</p> <p>A1. identify the computer and its properties.</p> <p>A2. identify developments and computer generations .</p> <p>A3. identify the different types of computer .</p> <p>A4. identify the computer architecture .</p> <p>A5. identification number system .</p>

A6. identify computer languages

B. Subject-specific skills

B1. the definition of computer literacy .

B 2 . Learn about the benefits and disadvantages of each generation of computers .

B 3 . Knowledge of computer types and characteristics.

B4. tell the difference between computer languages .

Teaching and Learning Methods

- Education: provide printed lectures and modern , diverse and rich sources of examples.
- Education: Harnessing the blackboard to the goal of teaching students and explain the steps the solution and extraction results.
- Education: resolving some questions .
- Learning : asking questions and inquiries and make the student turn into a teaching explanation and solution on the blackboard at that stage.
- Learning : direct questions and each student is experimenting to see how interaction and the rest to pay attention to .
- Learning : give the questions a group duty to students to encourage them to follow up article where by solving those questions to know whether he has been absorbing material or not.

Assessment methods

- Quizzes (quiz) semi- weekly .

- Questions sudden and overlapping put up with to explain the article.
- monthly and quarterly tests.

C. Thinking Skills

C1. ask for the same problem Solutions Group and discussed both individually and determine the appropriate method of solution to the problem at hand with a stand on the disadvantages of the rest of the roads

C2. put exceptional oral questions that need answers , where exceptional be specified in terms of the weight of the calendar and grades , which are a strong incentive for student participation , competition and the race to solve them.

Teaching and Learning Methods

Discussions that arise in the course of the lecture and try to involve the largest possible number of students, and touched on the details of things and discussed objectively and targeted discussion.

Assessment methods

Oral evaluated by involving students in discussions.

- Quizzes (quiz).
- monthly and quarterly examinations.

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. give duties to students and ask them to solve them to know where their strengths and weaknesses .

D2. alert on errors in the oral answers of students and discussed to see their mistake

D3. alert on errors in the answers of students and editorial notation consciousness to clarify the student.

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	6	Introduction to input/output devices	Introduction to input/output devices	According to point 10 above and as needed	According to point 10 above and as needed
2	6	Input devices (punched cards & keyboard)	Input devices (punched cards & keyboard)	According to point 10 above and as needed	According to point 10 above and as needed
3	6	Input devices (Mouse, joystick & touchpad)	Input devices (Mouse, joystick & touchpad)	According to point 10 above and as needed	According to point 10 above and as needed
4	6	Input devices (light pen, voice input & digitizer)	Input devices (light pen, voice input & digitizer)	According to point 10 above and as needed	According to point 10 above and as needed
5	6	Input devices (scanners, barcode reader)	Input devices (scanners, barcode reader)	According to point 10 above and as needed	According to point 10 above and as needed
6	6	Output devices(Impact printers)	Output devices(Impact printers)	According to point 10 above and as needed	According to point 10 above and as needed
7	6	Output devices (non-impact	Output devices (non-impact	According to point 10 above and as needed	According to point 10 above and as needed

		printers)	printers)		
8	6	Output devices(Monitor & Plotter)	Output devices(Monitor & Plotter)	According to point 10 above and as needed	
9		First examination	First examination		
10	6	Storage devices (RAM, DRAM)	Storage devices (RAM, DRAM)	According to point 10 above and as needed	According to point 10 above and as needed
11	6	Storage devices (ROM, PROM, EPROM, EEPROM)	Storage devices (ROM, PROM, EPROM, EEPROM)	According to point 10 above and as needed	According to point 10 above and as needed
12	6	Storage devices (Cache memory)	Storage devices (Cache memory)	According to point 10 above and as needed	According to point 10 above and as needed
13	6	Secondary Memory(Magnetic tape, Floppy disk)	Secondary Memory(Magnetic tape, Floppy disk)	According to point 10 above and as needed	According to point 10 above and as needed
14	6	Secondary Memory(Hard disk, CD ROM)	Secondary Memory(Hard disk, CD ROM)	According to point 10 above and as needed	According to point 10 above and as needed
15		Final examination	Final examination		

12. Infrastructure

<p>Required reading:</p> <ul style="list-style-type: none"> · CORE TEXTS · COURSE MATERIALS · OTHER 	<p>Introduction to computers, by Peter Norton, sixth edition.</p> <p>Computer system architecture, by M.morris mano, third edition.</p>
<p>Special requirements (include for example workshops, periodicals, IT software, websites)</p>	<p>Windows 7, Microsoft office 2010</p>
<p>Community-based facilities (include for example, guest Lectures , internship , field studies)</p>	<p>Computer system architecture, by M.morris mano, third edition.</p>

<p>13. Admissions</p>	
<p>Pre-requisites</p>	<p>None</p>
<p>Minimum number of students</p>	<p>Depending on the size of the classroom , according to the division of the people,</p>
<p>Maximum number of students</p>	<p>Depending on the size of the classroom , according to the division of the people,</p>