TECHNICAL AND COMPUTER ORGANIZATION 1 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/ 101 CTC1
4. Programme(s) to which it contributes	all students of technical and computer organization 1
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
This course aims to enable the student to learn and absorb the computer and its characteristics and types of computer architecture .   Students will also recognize the multiple computer languages preparation systems.   The decision also aims to introduce students to the operating system   Windows 7 in a practical way in the computer labs .

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

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 computer	Introduction to computer	According to point 10 above and as needed	According to point 10 above and as needed
2	6	Evolution and generation of computer	Evolution and generation of computer	According to point 10 above and as needed	According to point 10 above and as needed
3	6	Classification of computer	Classification of computer	According to point 10 above and as needed	According to point 10 above and as needed
4	6	Architecture of computer	Architecture of computer	According to point 10 above and as needed	According to point 10 above and as needed
5	6	Introduction to number system	Introduction to number system	According to point 10 above and as needed	According to point 10 above and as needed
6	6	Number system(decimal & binary)	Number system(decimal & binary)	According to point 10 above and as needed	According to point 10 above and as needed
7	6	Number system(Hexadecimal & octal)	Number system(Hexadecimal & octal)	According to point 10 above and as needed	According to point 10 above and as needed

8	6	Number system(BCD & ASCII code)	Number system(BCD & ASCII code)	According to point 10 above and as needed	
9		First examination	First examination		
10	6	Introduction to computer languages	Introduction to computer languages	According to point 10 above and as needed	According to point 10 above and as needed
11	6	Machine , high level languages	Machine , high level languages	According to point 10 above and as needed	According to point 10 above and as needed
12	6	Assembly language	Assembly language	According to point 10 above and as needed	According to point 10 above and as needed
13	6	Software (application & system software)	Software (application & system software)	According to point 10 above and as needed	According to point 10 above and as needed
14	6	Translator (assembler, interpreter, & compiler)	Translator (assembler, interpreter, & compiler)	According to point 10 above and as needed	According to point 10 above and as needed
15		Final examination	Final examination		

12. Infrastructure

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	Introduction to computers, by Peter Norton, sixth edition. Computer system architecture, by M.morris mano, third edition.
Special requirements (include for example workshops, periodicals, IT software, websites)	Windows 7, Microsoft office 2010
Community-based facilities (include for example, guest Lectures , internship , field studies)	Computer system architecture, by M.morris mano, third edition.

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