



Basic Education College
Computer Teacher Department

كلية التربية الأساسية
قسم معلم الحاسوب

Computer Maintenance Course Outline and Syllabus

Instructor

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Required Textbook:

Computer Maintenance by Dr. Mohammad AlAhmad, Check "alahmad.biz" site in Announcements section to find out where you can buy the textbook.

Course Description:

In this class, students will be able to assemble pc from scratch. Install operating system and programs on the assembled pc. Know in details all the components in the pc and how they communicate with each other.

Homework:

Homework assignments are not mandatory "your grade will not be affected if you do not do homework assignments". But solving Homework assignments will help you to get a good grade in the course "trust me on this". Late Homework will not be accepted after the due date.

Examinations:

There will be one midterm and one final examination. All exams will be closed book. Any additional handouts will be supplied before the exam.

Quizzes:

There will be three quizzes in this class. After finishing two chapters a quiz will be given. If you miss a quiz there is NO MAKE-UP quiz.



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General Rules:

- If you miss a lecture, you will be responsible to cover the material that you missed.
- There will be NO MAKE-UP exams, except for excused letter provided by the department supervisor.
- Any student enters the class after the instructor entered, will be counted as a late entry and will miss 0.5 of the attendance.

Presentation:

There will be a presentation on this class. Every student will present some materials in the class. You will be suggested with some topics to choose from.

Bonus Questions:

There are questions during lectures, depending on the question level, you be granted 1/4, 1/2 or 1 point. Late on, you will add this point to you quiz grade to get better grade.
GOOD LUCK.

The Gold Key:

Attendance, listening to the lecture, NO side talk during instructor explanation, asking about the lecture and solving homework questions, is the Gold key. You will get my attention and pass the course with a good grade.

Grading:

| | |
|---------------------|------------|
| Final Exam | %35 |
| Midterm | %30 |
| Quizzes | %15 |
| Presentation | %10 |
| Class work | %5 |



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Practical 1:

Install parts of personal computer components "Hardware part"

Practical 2:

Install operating systems "Software part"

After completing this course student will be able to:

- 1- Understand how is the computer components work together.
- 2- Explain in details all the components of computer system.
- 3- Assemble computer system from scratch.
- 4- Install operating system(s) in the machine.
- 5- Deal with system tools inside the computers.

Resources

1) Managing and troubleshooting PCs, CompTIA Sybex A+ textbook

| Week Number | Week by Date | Content |
|-------------|-----------------|--|
| 1 | Feb 12 | Introduction + Chapter 1 + Lab Practical 1 |
| 2 | Feb 19 | Chapter 1 + Chapter 2 + Lab Practical 1 |
| 3 | Feb 26 | Chapter 2 + Chapter 3 + Lab Practical 1 |
| 4 | Mar 5 | Chapter 4 + Chapter 5 + Lab Practical 1 + Quiz1 (1,2) |
| 5 | Mar 12 | Chapter 5 + Chapter 6a + Lab Practical 1 |
| 6 | Mar 19 | Chapter 5 + Chapter 6a + Lab Practical 1 + Quiz2 (3,4,5) |
| 7 | Mar 26 | <u>Midterm</u> |
| 8 | Apr 2 | Chapter 6b + Chapter 7+ Lab Practical 2 |
| 9 | Apr 9 | Chapter 7 + Chapter 8 + Lab Practical 2 |
| 10 | Apr 16 | Chapter 9 + Chapter 10+ Lab Practical 2 + Quiz3 (6b,7,8) |
| 11 | Apr 23 | Chapter 10 + Lab Practical 2 |
| 12 | Apr 30 | Presentation Week |
| 13 | May 8 | <u>Final "Practical"</u> |
| 14 | May 22 (Mon) | <u>Final "Theoretical"</u> |