Kingdom of Saudi Arabia
Ministry Of Higher Education
Majmaah University
Deanship of Quality assurance
and Human Development

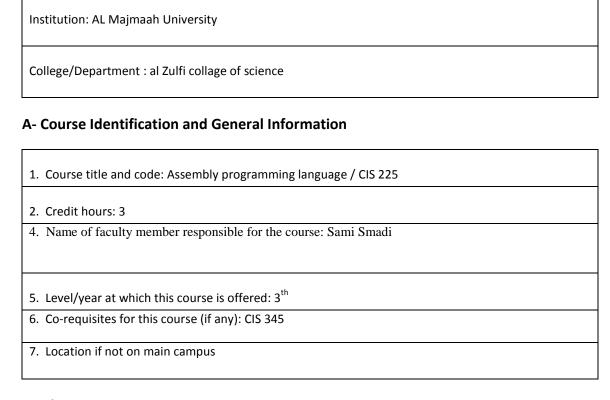


Course Specification

CIS 225

Assembly programming language 1431/1432

Course Specification



B- Objectives

1. Summary of the main learning outcomes for students enrolled in the course.

On completion of this course the students are expected

- Given a PC-based system, identify the major component, describe the steps involving in assembling, linking, and executing a program.
- Given a request to perform a certain task (for example: keyboard inputs, screen outputs, perform arithmetic, sorting), write programs in assembly language to perform the given task and run them
- After writing programs in assembly language, trace machine execution as an aid in program debugging.
- **C- Course Description** (Note: General description in the form to be used for the Bulletin or Handbook should be attached)
- 1. Topics to be Covered

List of Topics	No of	Contact
	Weeks	hours
	vveeks	
Introduction	1	3
Representation of numbers	1	3
Data Organization	2	6
System organization	2	6
The 8086 CPU organization	2	6
8086 commands	6	18

2. Course components (total contact hours per semester):						
Lecture: 42	Tutorial: 14	Laboratory:	Practical/Field work/Internship	Other:		

^{3.} Additional private study/learning hours expected for students per week. (This should be an average :for the semester not a specific requirement in each week)

D- E Learning Resources.

1. Required Text(s)

IBM PC Assembly Language and Programming ", Peter Abel , 1998

2. Essential References

Assembly language programming and organization of the IBM

^{4.} Schedule of Assessment Tasks for Students During the Semester

PC by Ytha Y. Yu
3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)
4 Electronic Materials, Web Sites etc
5- Other learning material such as computer-based programs/CD, professional standards/regulations

E- Assessment

First From 159/	
First Exam 15%	
Second Exam 15%	
Practical 10%	
Final 60%	