جامعة المجمعة
Majmaah University

Course Report

College: **Engineering**
Programme **Electrical**
Course : **Microprocessor EE 360**

Muharram 1437 H

Course Report

Institution :	Majmaah University	Date of CR	23 / 03 / 1437 H.
College/ Department	Engineering / Electrical Engineering		

A Course Identification and General Information

1. Course title: Microprocessor	Code	EE 360	Section 515
2. Name of course instructor Dr. Abdel-Rahman Location : …….............			
3. Year and semester to which this report applies: 36/37 First Semester			
4. Number of students starting the course? 32	Students completing the course? 28		

5. Course components:

	Lecture	Tutorial	Laboratory/ Studio	Practical	Other	Total
Contact Hours	45	15	0	0	0	60
Credit	3	0	0	0	0	3

B- Course Delivery:

1. Coverage of Planned Program

Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations (*)
Basic microprocessor architecture	8	8	None
Timing and signaling for interface applications and control	8	8	None
Instruction execution cycles and sequencing	8	8	None
Interrupts, memory systems design and organization	8	8	None
Basic peripheral interfacing and interface design	8	8	None
Software topics including assembly language programming	8	8	None
Interrupt handlers, fast arithmetic algorithms and hardware description languages (HDL).	12	12	None

(*) if there is a difference of more than 25% of the hours planned

2. Consequences of Non-Coverage of Topics

Topics not Fully Covered (if any)	Effected Learning Outcomes	Possible Compensating Action
None	……………………………	……………………………
None	……………………………	……………………………
None	……………………………	……………………………
None	……………………………	……………………………

3. Course learning outcome assessment.

List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
1.0	**Knowledge**		
1.1	……………………………………………	……………	……………
1.2	……………………………………………	……………	……………
1.3	The ability to recall, understand, and present information, including knowledge of specific facts, knowledge of concepts, principles and theories, and knowledge of procedures	Lecture, debate, small group work, whole group and small group discussion, research activities, lab demonstrations, projects, debates, role playing, case studies, memorization and individual presentation	Standardized exams, Seminars and Assignments
1.4	……………………………………………	……………	……………
1.5	……………………………………………	……………	……………
1.6	……………………………………………	……………	……………
2.0	**Cognitive Skills**		
2.1	……………………………………………	……………	……………
2.2	……………………………………………	……………	……………
2.3	An ability to identify, formulate, and solve engineering problems	Lecture, small group work, , research activities, lab demonstrations, projects and	Standardized exams, oral exams, micro projects

	List course learning outcomes	List methods of assessment for each LO	Summary analysis of assessment results for each LO
		individual presentation	
2.4	The ability to analyze, design, and implement systems.	Lecture, small group work, , research activities, lab demonstrations, projects and individual presentation	Standardized exams, oral exams, micro projects
2.5	....	....	....
2.6	....	....	....
3.0	**Interpersonal Skills & Responsibility**		
3.1	....	....	....
3.2	....	....	....
3.3	....	....	....
3.4	....	....	....
3.5	....	....	....
3.6	....	....	....
4.0	**Communication, Information Technology, Numerical**		
4.1	....	....	....
4.2	....	....	....
4.3	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	Lecture, research activities, lab demonstrations, projects, case studies, memorization and individual presentation	Standardized exams, oral exams, micro projects
4.4	The ability to utilize statistics/probability, transform methods, discrete mathematics, or applied differential equations in support of electrical systems.	Lecture, research activities, lab demonstrations, projects, case studies, memorization and individual presentation	Standardized exams, oral exams, micro projects
4.5	....	....	....
4.6	....	....	....
5.0	**Psychomotor**		

List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
5.1	....	....	....
5.2	....	....	....
5.3	....	....	....
5.4	....	....	....
5.5	....	....	....
5.6	....	....	....

Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.

The assigned teaching strategies are more than enough. Lab demonstration can be removed as a teaching strategy because the Lab related to this course is a separate course with other course specifications.

4. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification

List Teaching Methods set out in Course Specification	Were They Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties.
	No	Yes	
Lecture		X	....
research activities		X	....
lab demonstrations	X		Lab demonstration can be removed as a teaching strategy because the Lab related to this course is a separate course with other course specifications.
projects		X	....
case studies		X	....
memorization and individual presentation		X	

C. Results
1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	0	0 %	The results are within the normal distribution. Results are calculated based on the number of students that are attended the final exam (28 students). The pass percentage is good and there is no need for further
A	1	3.57 %	

B+	2	7.14 %	recommendations or actions.
B	1	3.57 %	
C+	7	25 %	
C	6	21.43 %	
D+	6	21.43 %	
D	2	7.14 %	
F	3	10.71 %	
Denied Entry	0	0 %	
In Progress	3	9.03 %	
Incomplete	0	0 %	Results are calculated based on the number of students that are registered in the course (32 students). The pass percentage is good and there is no need for further recommendations or actions.
Pass	25	78 %	
Fail	3	9.03 %	
Withdrawn	1	3 %	

2. Analyze special factors (if any) affecting the results

The Number of students not attended the final exam

3. Variations from planned student assessment processes (if any) .

a. Variations (if any) from planned assessment schedule (see Course Specifications)

Variation	Reason
None	…………………………………………………
None	…………………………………………………
None	…………………………………………………

b. Variations (if any) from planned assessment processes in Domains of Learning

Variation	Reason
None	…………………………………………………
None	…………………………………………………

None	....

4. Student Grade Achievement Verification:

Method(s) of Verification	Conclusion
Internal grades verification reviewer	Reviewed
Grades approved by Head of department and the dean of the EC.	Approved
D2L is used for verifications of sum.	verified

D. Resources and Facilities

Difficulties in access to resources or facilities (if any)	Consequences of any difficulties experienced for student learning in the course
The classroom was not equipped with operated smart board.	The learning process was not completely effective.
The required textbook is not available for students and instructor	PDF version of textbook is used but was not very clear.

E. Administrative Issues

Organizational or administrative difficulties encountered (if any)	Consequences of any difficulties experienced for student learning in the course
None	....
None	....
None	....

F Course Evaluation

1 Student evaluation of the course (Attach summary of survey results) [Will be attached next semester]

a. List the most important recommendations for improvement and strengths
- ....
- ....
- ....
- ....

b. Response of instructor or course team to this evaluation
- ....
- ....
- ....
- ....

2. Other Evaluation:

SLO evaluation program is used to evaluate the assigned SLO (a, e and k) for the course. The results of evaluation are included in the course file.

a. List the most important recommendations for improvement and strengths
- Changing the main textbook to be matched with the course description (The proposed textbook is attached.
- Decreasing the theoretical topics and increasing the practical topics to improve the SLO (a)
- More practical concepts related to Assembly language to improve the SLO (k)

b. Response of instructor or course team to this evaluation :
- The textbook proposed is: Richard Detmer: "Introduction to 80x86 Assembly Language and Computer Architecture", Jones & Bartlett Publishers; 2 edition, February 26, 2009.
- Giving more lectures related to practical aspects
- Assigned more lectures to explain assembly language practically.

G Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports (if any).

Actions recommended from the most recent course report(s)	Actions Taken	Action Results	Action Analysis
a) ……………………………	………………	…………………	…………………
b) ……………………………	………………	…………………	…………………
c) ……………………………	………………	…………………	…………………
d) ……………………………	………………	…………………	…………………

2. List what other actions have been taken to improve the course

- ……………………………………………………………………………………………………
- ……………………………………………………………………………………………………
- ……………………………………………………………………………………………………
- ……………………………………………………………………………………………………

3. Action Plan for Next Semester/Year

Actions Recommended for Further Improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
a) Changing the textbook	SLO (a,e,k)	24/4/1437 H	24/9/1437 H	…….....…

b) More lectures related to practical topics	SLO (e)	24/4/1437 H	24/9/1437 H	………..…
c) More assembly language practical lectures	SLO (k)	24/4/1437 H	24/9/1437 H	………..…

Course Instructor:

Name: Dr. Abdel-Rahman Al-Qawasmi and Dr. Fathi Kallel
Signature: ....   Date Report Completed: 23./3./1437 H

Program Coordinator:

Name: ....
Signature: ....   Date Received :   ....../…../1437 H

Important Notes:

- A separate Course Report (CR) should be submitted for every course and for each (section " Male & Female" or Academic Programme or campus location where the course is taught) even if the course is taught by the same person
- Each CR is to be completed by the course instructor (Separate reports attached) and given to the program coordinator At the end of each course
- Course Reports are to discuss by the academic (Programme) Department Council