



جامعة المجمعة
Majmaah University

Course Report

College: College of Engineering
Programme: Power And Machines Track
Course : Senior Design-1 (EE 498)

Muharram 1437 H



This form compatible with NCAAA Edition

Course Report

Institution : Majmaah University	Date of CR 01/01/2017
College/ Department College of Engineering / Electrical Engineering	

A Course Identification and General Information

1. Course title: Senior Design-I		Code EE 498	Section 122			
2. Name of course instructor Dr. Ahmed Bilal Awan		Location : College of Engineering				
3. Year and semester to which this report applies: Year 4 / Semester 7 (level 9)						
4. Number of students starting the course?	18	Students completing the course?	18			
5. Course components:						
	Lecture	Tutorial	Laboratory/ Studio	Practical	Other	Total
Contact Hours	15	0	15	0	0	30
Credit	1	0	1	0	0	2

B- Course Delivery :

1. Coverage of Planned Program

Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations (*)
Project statement	1	1	.....
Bibliography	2	2	.....
In-depth survey	2	2	.....
Conceptual and structural design, analysis	4	4	.....
Statistical and cost analyses	2	2
Societal and environmental impact	1	1
Report writing	3	3
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(*) 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)	Effectuated Learning Outcomes	Possible Compensating Action
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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	Demonstrate cost effective environmental friendly engineering solution with deep impact on social benefits	.....	86%
1.2	Examine contemporary issues through in depth survey of the project related topics.	.....	93%
1,3	.....	.....	.....
1,4	.....	.....	.....
1,5	.....	.....	.....
1,6	.....	.....	.....
2.0	Cognitive Skills		
2.1	Describe problem statement for Senior Design project.	Standardized exams, quizzes and assignments.	81%
2.2	Formulate engineering problems thorough bibliography of the topic.	Standardized exams, quizzes and assignments.	70%
2,3	.....	.....	.....
2,4	.....	.....	.....
2,5	.....	.....	.....
2,6	.....	.....	.....
3.0	Interpersonal Skills & Responsibility		
3.1	Work in multidisciplinary teams by working on interdisciplinary projects	.....	72%
3.2	Engage in life-long learning through in depth survey of the project related topics.	.....	83%
3,3	.....	.....	.....
3,4	.....	.....	.....
3,5	.....	.....	.....
3,6	.....	.....	.....
4.0	Communication, Information Technology, Numerical		
4.1	Use the techniques, skills, and modern engineering tools in order to make conceptual and structural design	Standardized exams, quizzes	78%





List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
4.2	Demonstrate effective written and verbal communication skill by righting report and defending project work in final presentation	Standardized exams, quizzes and assignments.	89%
٤,٣	.....	.....	.....
٤,٤	.....	.....	.....
٤,٥	.....	.....	.....
٤,٦	.....	.....	.....
5.0 Psychomotor			
5.1	.....	.....	.....
5.2	.....	.....	.....
٥,٣	.....	.....	.....
٥,٤	.....	.....	.....
٥,٥	.....	.....	.....
٥,٦	.....	.....	.....

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

Student's outcomes are above the benchmark of 75%. No further actions are recommended

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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	
Class room lectures		X
Semester project		X
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C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	3	17%	.....
A	5	28 %	.....
B+	6	33 %	.....
B	2	11 %	.....
C+	1	5.5 %	.....
C	1	5.5 %	.....
D+	0	0 %	.....
D	0	0%	.....
F	0	0 %	.....
Denied Entry	.....	0 %	.....
In Progress	.....	0%	.....
Incomplete	.....	0 %	.....
Pass	18	100 %	.....
Fail	0	0 %	.....
Withdrawn	0	0 %	.....

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

- Students are weak in mathematics. The College and Department should check the level of students in mathematics before admission.
- Some students have English comprehension and communication problems
- Students report writing skills need to be improved at earlier stages of the program

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

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





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

Variation	Reason
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.....
.....

4. Student Grade Achievement Verification :

Method(s) of Verification	Conclusion
Cross-check of grade validity	Validated
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D. Resources and Facilities

Difficulties in access to resources or facilities (if any)	Consequences of any difficulties experienced for student learning in the course
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E. Administrative Issues

Organizational or administrative difficulties encountered (if any)	Consequences of any difficulties experienced for student learning in the course
Some students register too many credit hours for one semester	Students with high number of credit hours cannot concentrate and give enough time to study individual courses
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F Course Evaluation

1 Student evaluation of the course (Attach summary of survey results)

a. List the most important recommendations for improvement and strengths
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- The result of student survey was good.
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b. Response of instructor or course team to this evaluation

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-
-

2. Other Evaluation :

a. List the most important recommendations for improvement and strengths

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-
-
-

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

-
-
-
-

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) No Actions were recommended in the previous report
a)
b)
c)

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

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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) Improving SD procedures	Introduction of some new documents to clearly mention the Steps in SD progress during semester	02/02/2017	05/05/2017	Senior Design Committee
b)/.../1437 H	.../.../1437 H	.....
c)/.../1437 H	.../.../1437 H	.....
d)/.../1437 H	.../.../1437 H	.....
e)/.../1437 H	.../.../1437 H	.....

Course Instructor:

Name: Dr. Ahmed Bilal Awan
 Signature: Date Report Completed: 01/01/2017

Program Coordinator:

Name:
 Signature: Date Received :/...../1438 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

