



جامعة المجمعة
Majmaah University

Course Report

College: Engineering
Programme: Electrical engineering
Course : EE210

May 2017



This form compatible with NCAAA Edition

Course Report

Institution :	Majmaah University	Date of CR	22/05/2017
College/ Department	Engineering /Mechanical Engineering		

A Course Identification and General Information

1. Course title: Electrical and electronic circuits	Code	EE210	Section	276		
2. Name of course instructor	Dr. El Manaa Barhoumi		Location :	College of engineering		
3. Year and semester to which this report applies: 2017-2017 Second Term						
4. Number of students starting the course?	8	Students completing the course?	8			
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 (*)
Circuit elements and laws: Ohm's law, Kirchoff's law, Nodal and mesh analysis.	8	8	NA
Network theorems: Thevenin theorem , maximum power transfer theorem, Milman theorem and Superposition principle	8	8	NA
Nonlinear networks-AC Circuits: Phasors	8	8	NA
Frequency response, Resonance -	8	8	NA
Ideal Amplifiers	8	8	NA
Ideal diodes and Rectifiers,	8	8	NA
FETs and BJT's transistors-	12	6	According to the ministry of higher education, the term was reduced to 13weeks.



(*) 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
NA	NA	NA
NA	NA	NA
NA	NA	NA
NA	NA	NA

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	.....	.....	.....
1.4	.....	.....	.....
1.5	.....	.....	.....
1.6	.....	.....	.....
2.0	Cognitive Skills		
2.1	Apply the different laws on electrical components and circuits	Final exam-	95%
2.2	Analyze electrical circuits using phasors and frequency response		
2.3	Design electronic circuits based on operational amplifier	Final exam-	80%
2.4	solve problems related to semiconductors devices		
2.5	Identify and solve engineering problems related to transistors		
3.0	Interpersonal Skills & Responsibility		
3.1	.....	.....	.....
3.2	.....	.....	.....
3.3	.....	.....	.....
4.0	Communication, Information Technology, Numerical		
4.1	.....	.....	.....
5.0	Psychomotor		
5.1	.....	.....	.....
5.2	.....	.....	.....
5.3	.....	.....	.....
5.4	.....	.....	.....
5.5	.....	.....	.....





List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
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Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.

Group discussion Problem based learning
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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	
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		X	
Lecture, small group work, , research activities, lab demonstrations, projects and individual presentation		X	
Lecture, research activities, lab demonstrations, projects, case studies, memorization and individual presentation		X	

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	1	12.5 %	This student has high skills in solving electrical and electronic circuits problems



A	2	25%	This student has high skills in solving electrical and electronic circuits problems
B+	0		.....
B	2	25%	This student has high skills in solving electrical and electronic circuits problems
C+	0		.....
C	0		.....
D+	0		.....
D	1	12.5%	.....
F	2	25%	These two students need to solve more exercises related to electrical circuits such as KVL and KCL also the operational amplifier to be ready for the exams.
Denied Entry	0		.....
In Progress	0		.....
Incomplete	0		.....
Pass	6		
Fail	2		These two students need to solve more questions and exercises related to electrical circuits such as KVL and KCL also the operational amplifier to be ready for the exams.
Withdrawn	0		.....

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

- The attendance of students affects considerably their results

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

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

Variation	Reason
2nd Midterm exam was cancelled.	According to the ministry of higher education, the semester has been reduced to 13 weeks





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

Variation	Reason
NA	NA
NA	NA
NA	NA

4. Student Grade Achievement Verification :

Method(s) of Verification	Conclusion
All final papers are reviewed by independent reviewer from the department who will double check the sum of the total marks	Level of fairness in correction is fairly high
Grades are approved by Head of department and the vice-dean for academic affairs of the Engineering College.	Grades approved by Head of department and the vice-dean for academic

D. Resources and Facilities

Difficulties in access to resources or facilities (if any)	Consequences of any difficulties experienced for student learning in the course
None	None

E. Administrative Issues

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

F Course Evaluation

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

a. List the most important recommendations for improvement and strengths <ul style="list-style-type: none"> The majority of students are satisfied.
b. Response of instructor or course team to this evaluation <ul style="list-style-type: none"> The instructor will continue using new teaching methods to improve the teaching process.

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 :

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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) Update the course CLO	None		UPC committee is working on the update of the curriculum
b) Update the SLO	None		
c) Update course specifications	None		UPC committee is working on the update of the curriculum and the course spec

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

- NA

3. Action Plan for Next Semester/Year

Actions Recommended for Further Improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
Update course specifications	Course specifications updated	10/09/2017	12/12/2017	UPC
More problems and questions are required.	Number of satisfactory students (SLo)	10/09/2017	12/12/2017	Instructor
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Course Instructor:

Name: Dr. El Manaa Barhoumi
 Signature: Date Report Completed: 22/05/2017

Program Coordinator:

Name:



Signature:

Date Received :/...../.....

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



اسئلة خاصة ببداية المقرر

الاسئلة	عدد المقيمين لاوافق مطلقا (1) لاوافق (2) اوافق الى حد ما (3) اوافق (4) اوافق بشدة (5)	6	5	4	3	2	1
كانت الخطوط الأساسية (بما في ذلك المعلومات والمهارات التي صمم المقرر لتطويرها) واضحة بالنسبة لي .	66.7	0.0	33.3	0.0	0.0	0.0	6
كانت متطلبات النجاح في المقرر (بما في ذلك الواجبات التي يتم التقييم بناء عليها ، ومحكات التقييم) واضحة بالنسبة لي .	66.7	0.0	16.7	16.7	0.0	0.0	6
كانت مصادر مساعدتي في المقرر (بما في ذلك الساعات المكتبية لعضو هيئة التدريس ، والمراجع) واضحة بالنسبة لي .	50.0	33.3	0.0	16.7	0.0	0.0	6

اسئلة خاصة بما حدث خلال المقرر

الاسئلة	عدد المقيمين لاوافق مطلقا (1) لاوافق (2) اوافق الى حد ما (3) اوافق (4) اوافق بشدة (5)	6	5	4	3	2	1
كان تنفيذ المقرر والأشياء التي طلب مني أدائها متنسقة مع الخطوط الأساسية للمقرر .	50.0	16.7	16.7	16.7	0.0	0.0	6
كان عضو هيئة التدريس ملتزما بإعطاء المقرر بشكل كامل (مثل : بدأ المحاضرات في الوقت المحدد ، تواجد عضو هيئة التدريس بشكل دائم ، الإعداد الجيد للمواد المساعدة في التدريس ، وهكذا) .	33.3	33.3	16.7	16.7	0.0	0.0	6
لدى عضو هيئة التدريس الذي يقوم بتقديم هذا المقرر إلمام كامل بمحتوى المقرر .	33.3	16.7	33.3	16.7	0.0	0.0	6
كان عضو هيئة التدريس موجودا للمساعدة خلال الساعات المكتبية .	50.0	0.0	16.7	33.3	0.0	0.0	6
كان عضو هيئة التدريس متحمسا لما يقوم بتدريسه .	66.7	0.0	33.3	0.0	0.0	0.0	6
كان عضو هيئة التدريس مهتما بمدى تقدمي وكان معينا لي .	33.3	16.7	16.7	33.3	0.0	0.0	6
كان كل ما يقدم في المقرر حديثا ومفيدا ، (النصوص المقروءة ، التلخيصات ، المراجع ، وما شابهها) .	33.3	16.7	16.7	16.7	16.7	0.0	6
كانت المصادر التي احتجتها في هذا المقرر متوافرة كلما أحتاج إليها .	33.3	16.7	33.3	0.0	16.7	0.0	6
كان هناك استخدام فعال للتقنية لدعم تعليمي في هذا المقرر .	50.0	16.7	16.7	0.0	16.7	0.0	6
وجدت تشجيعا لإلقاء الاسئلة وتطوير أفكاري الخاصة في هذا المقرر .	33.3	16.7	33.3	16.7	0.0	0.0	6
شجعت في هذا المقرر على تقديم أفضل ما عندي .	50.0	16.7	16.7	16.7	0.0	0.0	6
ساعدت الأشياء التي طلبت مني في هذا المقرر (الأنشطة الصفية ، المعامل ، وهكذا) في تطوير معرفتي ومهاراتي التي يهدف المقرر لتعليمها .	50.0	16.7	0.0	16.7	16.7	0.0	6
كانت كمية العمل في هذا المقرر متناسبة مع عدد الساعات المعتمدة المخصصة للمقرر .	66.7	0.0	16.7	16.7	0.0	0.0	6
قدمت لي درجات الواجبات والاختبارات في هذا المقرر خلال وقت معقول .	50.0	16.7	16.7	16.7	0.0	0.0	6
كان تصحيح واجباتي واختباراتي عادلا ومناسبا .	50.0	0.0	33.3	16.7	0.0	0.0	6
وضحت لي الصلة بين هذا المقرر واللمقرات الأخرى بالبرنامج (القسم) .	33.3	33.3	16.7	16.7	0.0	0.0	6

تفويهم المقرر

الاسئلة	عدد المقيمين لاوافق مطلقا (1) لاوافق (2) اوافق الى حد ما (3) اوافق (4) اوافق بشدة (5)	6	5	4	3	2	1
ما تعلمته في هذا المقرر مهم وسيفيدني مستقبلا .	33.3	16.7	33.3	16.7	0.0	0.0	6
ساعدني هذا المقرر على تحسين قدرتي على التفكير وحل المشكلات بدلا من حفظ المعلومات فقط .	33.3	33.3	33.3	0.0	0.0	0.0	6
ساعدني هذا المقرر على تحسين مهاراتي في العمل على شكل فريق .	50.0	16.7	16.7	16.7	0.0	0.0	6
ساعدني هذا المقرر على تحسين قدرتي على الاتصال بفاعلية .	50.0	0.0	16.7	33.3	0.0	0.0	6

التفويهم العام

الاسئلة	عدد المقيمين لاوافق مطلقا (1) لاوافق (2) اوافق الى حد ما (3) اوافق (4) اوافق بشدة (5)	6	5	4	3	2	1
أشعر بالرضا بشكل عام على مستوى جودة هذا المقرر .	33.3	33.3	16.7	16.7	0.0	0.0	6