



جامعة المجمعة
Majmaah University

Course Report

College: Engineering College
Programme: Electrical Engineering
Course : Logic Design

Muharram 1437 H



This form compatible with NCAAA Edition

Course Report

Institution :	Majmaah University	Date of CR	25 /5 / 2017.
College/ Department	Engineering /Electrical Engineering		

A Course Identification and General Information

1. Course title:	Logic Design	Code	EE 208	Section	403	
2. Name of course instructor	Dr.Tawfeeq Alkanhal		Location : Main Campus			
3. Year and semester to which this report applies:	2016/2017/ Semester (1).					
4. Number of students starting the course?	13	Students completing the course?	12			
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 (*)
Introduction to course syllabus and distribution of marks	4	4	
Introduction to Number System, Binary, Octal, Decimal and Hexadecimal numbers and base conversions, Complements, binary Codes	8	8	
Boolean Functions, Basic Logic Gates (OR, AND & NOT, NOR, NAND XOR & XNOR Gates)	8	8	
Adder & Subtractor	4	4	
Decoders & Encoders	8	8	
Multiplexers	4	4	
Code Converters	4	4	
Latches	4	4	
Flip-Flops	4	2	Semester was reduced by 3 weeks by the ministry of education.
Registers & Shift Registers	8	4	Semester was reduced by 3 weeks



Synchronous & Asynchronous Counters	4	2	by the ministry of education. Semester was reduced by 3 weeks by the ministry of education.
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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
N / A	N / A	N / A
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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			
1.2			
1.3		.....	.....
1.4		.....	.....
1.5		.....	.....
1.6		.....	.....
2.0	Cognitive Skills		
2.1	convert numbering systems		
2.2	develop Boolean algebra and logic gates	Standardized exams	88% Final Exam
2.3	produce combinational logic circuits and Karnaugh maps	.....	76% Mid-1
2.4	solve flip flops circuits with different kinds	.....	.....
2.5	solve registers and counters problems	.....	.....
2.6	solve sequential and synchronous circuits	.....	.....
2.7	solve asynchronous circuits and state machines		
2.8	design logic circuit using logic gates and ICs	Standardized exams	88 % Final Exam
3.0	Interpersonal Skills & Responsibility		



List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
3.1		.....	.....
3.2		.....	.....
3.3		.....	.....
3.4		.....	.....
3.5		.....	.....
3.6		.....	.....
4.0	Communication, Information Technology, Numerical		
4.1			
4.2			
4.3		.....	.....
4.4		.....	.....
4.5		.....	.....
4.6		.....	.....
5.0	Psychomotor		
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.

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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	
Lectures		Yes	No
Presentations		Yes	No
Group Discussions		Yes	No
Project Presentation		Yes	No



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C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	0	0 %	The one student did not attend the final exam
A	1	8.33 %	.....
B+	0	0%	.....
B	5	41.66%	9 students passed the course with normal distribution
C+	0	0%	.....
C	0	0%	.....
D+	1	8.33 %	3 students failed the course.
D	2	16.66%	.....
F	3	24.99%	.....
Denied Entry	0	0%	.....
In Progress	0	0%	One student withdrawn the course.
Incomplete	0	0%	.....
Pass	9	75%	.....
Fail	3	25%
Withdrawn	1	%

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

<ul style="list-style-type: none"> • N/A • • •
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<ul style="list-style-type: none">

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

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

Variation	Reason
Midterm-2 was not conducted.	The semester was reduced by 3 weeks by ministry of education.
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b. Variations (if any) from planned assessment processes in Domains of Learning

Variation	Reason
N/A
.....
.....

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 College of Engineering	Approved
Microsoft Excel 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
No
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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
No
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F Course Evaluation

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

<p>a. List the most important recommendations for improvement and strengths</p> <ul style="list-style-type: none"> • Student Survey • • •
<p>b. Response of instructor or course team to this evaluation</p> <ul style="list-style-type: none"> • No Comments • • •

2. Other Evaluation :

<p>a. List the most important recommendations for improvement and strengths</p> <ul style="list-style-type: none"> • • • •
<p>b. Response of instructor or course team to this evaluation :</p> <ul style="list-style-type: none"> • • • •

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) There was no recommendation from pervious course report.
b)





c)
d)

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

<ul style="list-style-type: none"> • • • •
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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) Students should be more involved in micro projects	More micro projects should be assigned on individual basis.	September 2017	January 2018	Course Instructor
b) Seminars, trainings should be arranged related to the course topics and micro projects	Arrangements or seminars and trainings.	September 2017	January 2018	Course Instructor
c) Group discussions should be more encouraged.	Encouragement of class activities and discussions	September 2017	January 2018	Course Instructor
d) .....	.....			.....
e) .....	.....			.....

Course Instructor:

Name: Dr. Tawfeeq Alkanhal Signature: Date Report Completed: 25/5/2017

Program Coordinator:

Name: Dr. Abdullah Almuhaissen Signature: Date Received :/...../.....
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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

