جامعة المجمعة
Majmaah University

Course Report

College:	**College of Engineering**
Programme	**Electrical Engineering**
Course :	**373**

Muharram 1437 H

This form compatible with NCAAA Edition

Course Report

Institution :	Majmaah University	Date of CR	24 / 3/ 1437 H.
College/ Department	Engineering College/ Electrical Engineering		

A Course Identification and General Information

1. Course title:	ELECTRIC POWER AND MACHINES LAB-2	Code 373	Section 551
2. Name of course instructor	Dr. Youcef & M.A.Baseer	Location :	College of Engineering
3. Year and semester to which this report applies:	3rd Year/ II-Sem		
4. Number of students starting the course?	13	Students completing the course?	13

5. Course components:

	Lecture	Tutorial	Laboratory/ Studio	Practical	Other	**Total**
Contact Hours			15			**30**
Credit			1			**1**

B- Course Delivery:

1. Coverage of Planned Program

Topics Covered	**Planned** Contact Hours	**Actual** Contact Hours	**Reason for Variations (*)**
Symmetrical and unsymmetrical fault analysis; Load-flow simulation.	2	2	N/A
Transient stability simulation; Active and reactive power generator control; Characteristics of isolated and interconnected systems.	2	2	N/A
Equivalent circuit of transformers.	2	2	N/A
Three-phase connections and harmonic problems.	2	2	N/A
Equivalent circuit of three-phase and single-phase induction motors.	2	2	N/A
Starting of single-phase induction motors.	2	2	N/A
Load testing of induction motors.	2	2	N/A
Terminal characteristics of dc machines.	2	2	N/A

(*) 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
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

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	An ability to design and conduct experiments, as well as to analyze and interpret data	Standardized Exams	I selected Q. No 2 from Mid-Exam-II 15.38%- Unsatisfactory 23.07%-Developing 61.53%- Satisfactory Overall result 82%
2.2	An ability to identify, formulate, and solve engineering problems	Standardized exams	I selected Q. No 3 from Final Exam 0%- Unsatisfactory 0%-Developing 100%- Satisfactory Overall result 100%
2.3	An ability to design a system, component or process to meet desired needs within realistic constraints.	Reports and Presentation	I selected Q. No 1 from Lab report-I 0%- Unsatisfactory 30.76%-Developing 69.23%- Satisfactory Overall result 90%
2.4			
2.5			
2.6			
3.0	**Interpersonal Skills & Responsibility**		
3.1	An ability to function on multidisciplinary teams	Behavior Observations and presentations	I selected Q. No 2 from Final Exam 0%- Unsatisfactory 0%-Developing 100%- Satisfactory

List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
			Overall result 100%
3.2			
3.3			
3.4			
3.5			
3.6			
4.0	**Communication, Information Technology, Numerical**		
4.1	An ability to apply knowledge of mathematics, science and engineering.	Standardized Exams	I selected Q. No 1 from Mid-Exam-I 46.15%- Unsatisfactory 15.38%-Developing 38.46%- Satisfactory Overall result 64%
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.

Learning outcome (i) is recommended in this course.

……

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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	

Symmetrical and unsymmetrical fault analysis; Load-flow simulation.		Yes	……..……
Transient stability simulation; Active and reactive power generator control; Characteristics of isolated and interconnected systems.		Yes	……..……
Equivalent circuit of transformers.		Yes	……..……
Three-phase connections and harmonic problems.		Yes	……..……
Equivalent circuit of three-phase and single-phase induction motors.		Yes	……..……
Starting of single-phase induction motors.		Yes	
Load testing of induction motors.		Yes	
Terminal characteristics of dc machines.		Yes	

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	0	0 %	First exam 20%
A	0	0 %	Second exam 20%
B+	0	0 %	Lab Report 1 10%
B	3	23.07 %	Lab Report 2 10%
C+	2	15.38 %	Final Exam 40%
C	4	30.76 %	Total 100%
D+	3	23.07 %	
D	1	7.69 %	
F	0	0 %	
Denied Entry	0	0 %	
In Progress	0	0 %	

Incomplete	0	0 %	
Pass	13	100 %	
Fail	0	0 %	
Withdrawn	0	0 %	

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

- ……
- ……
- ……
- ……
- ……

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

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

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

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

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

4. Student Grade Achievement Verification:

Method(s) of Verification	Conclusion
……	……
……	……
……	……

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	……
……	……
……	……

E. Administrative Issues

Organizational or administrative difficulties encountered (if any)	Consequences of any difficulties experienced for student learning in the course
……	……
……	……
……	……

F Course Evaluation

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

a. List the most important recommendations for improvement and strengths

- ……
- ……
- ……
- ……

b. Response of instructor or course team to this evaluation

- ……
- ……
- ……
- ……

2. Other Evaluation :

a. List the most important recommendations for improvement and strengths

- ……
- ……
- ……
- ……

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)	……	……	……
b) ……	……	……	……
c) ……	……	……	……
d) ……	……	……	……

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

- Book title "Modern Power system Analysis" by I J Nagrath, D P Kothari, Tata McGraw Hill.
- ……
- ……
- ……

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) ……	……	…/…/1437 H	…/…/1437 H	……..…
b) ……	……	…/…/1437 H	…/…/1437 H	……..…
c) ……	……	…/…/1437 H	…/…/1437 H	……..…
d) ……	……	…/…/1437 H	…/…/1437 H	……..…
e) ……	……	…/…/1437 H	…/…/1437 H	……..…

Course Instructor:

Name: Dr. Youcef and Mohammad Abdul Baseer

Signature: Date Report Completed: 24/3/1437 H

Program Coordinator:

Name: Dr. Abdullah Almuhaisen

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