جامعة المجمعة
Majmaah University

Course Report

College:	**College of Engineering**
Programme	**Electrical Engineering**
Course :	**EE 271**

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: Principles of Electric Power and Machines Lab	Code EE 271	Section 570	
2. Name of course instructor Dr.Praveen and Eng.Mohammad Abdul Baseer	Location : College of Engineering		
3. Year and semester to which this report applies: 2nd Year/ I-Sem			
4. Number of students starting the course? 12	Students completing the course? 7		

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 (*)**
Introduction: Introductory to lab equipment's and basic components	2	2	N/A
Single Phase Transformers (Determine Equivalent circuits)	2	2	N/A
O.C and S.C Test on Single phase transformers	2	2	N/A
Voltage and current measured on single phase A.C circuit	2	2	N/A
Active Power and frequency Measured on AC Circuit	2	2	N/A
Magnetization and Load characteristic on D.C Generator	2	2	N/A
The CEM-U coupled to a magnetic powder brake	2	2	N/A
Three Phase Transformers	2	2	N/A

Measurement of No load ratio of the Three Phase Transformers	2	2	N/A
Introduction to Induction motor	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 72%- Unsatisfactory 0%-Developing 28%- Satisfactory Overall result 52%
2.2	An ability to identify, formulate, and solve engineering problems	Standardized exams	I selected Q. No 7 from Final-Exam 36%- Unsatisfactory 0%-Developing 64%- Satisfactory Overall result 76%
2.3			
2.4			
2.5			
2.6			
3.0	**Interpersonal Skills & Responsibility**		
3.1	An ability to function on multidisciplinary teams	Behavior Observations and	I selected Q. No 5 from Final Exam 46%- Unsatisfactory

List course learning outcomes		List methods of assessment for each LO	Summary analysis of assessment results for each LO
		presentations	27%-Developing 27%- Satisfactory Overall result 61%
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 72%- Unsatisfactory 10%-Developing 18%- Satisfactory Overall result 48%
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.

……

……

……

……

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

	No	Yes	with Those Difficulties.
Acquired and applied fundamental principles of science and engineering in this course.		Yes	……..……
Different Experiments can be done by the students for different components		Yes	……..……
Practical knowledge has given to the students by viewing the construction Transformers and DC machines		Yes	……..……
Encourage students to engage in communication use appropriate questioning to develop understanding among the students.		Yes	……..……
In certain phases of class the students should be given small individual tasks which: make students focus on the topic (problem), enable them to get information about the quality of their work directly.		Yes	……..……

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	1	9.09 %	First exam 20%
A	0	0 %	Second exam 20%
B+	1	9.09 %	Lab Report 1 10%
B	1	9.09 %	Lab Report 2 10%
C+	1	9.09 %	Final Exam 40%
C	2	18.18 %	Total 100%
D+	1	9.09 %	
D	0	0 %	
F	4	36.36 %	

Denied Entry	0	0 %	
In Progress	0	0 %	
Incomplete	0	0 %	
Pass	7	63.63 %	
Fail	4	36.36 %	
Withdrawn	1	9.09 %	

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	Consequences of any difficulties experienced for

or facilities (if any)	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) A recognition of the need for an ability to engage in life-long learning should be recommended in LO (i)	……	……	……
b) ……	……	……	……
c) ……	……	……	……
d) ……	……	……	……

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

- Book title " Laboratory Manual for Electrical machines" by D.P Kothari and B.S.Umre
- ……
- ……
- ……

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.Praveen R.P and M.A.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