جامعة المجمعة
Majmaah University

Course Report

College: College of Engineering
Programme Electrical Engineering
Course : Fundamentals of Electrical Power Systems

May 2017

This form compatible with NCAAA Edition

Course Report

Institution : Majmaah university	Date of CR 27th /5/2017
College/ Department .....Engineering / .....Electrical Engineering.....	

A Course Identification and General Information

1. Course title: Fundamentals of Electrical Power Systems	Code 270 EE	Section 422	
2. Name of course instructor Dr. Youcef berrouche	Location: CE		
3. Year and semester to which this report applies: 2016/2017- Semester II			
4. Number of students starting the course? 21	Students completing the course? 21		

5. Course components:

	Lecture	Tutorial	Laboratory/ Studio	Practical	Other	**Total**
Contact Hours	32	16	0	0	0	**48**
Credit	2	0	0	0	0	**2**

B- Course Delivery :

1. Coverage of Planned Program

Topics Covered	**Planned** Contact Hours	**Actual** Contact Hours	**Reason for Variations (*)**
Power system components and elements	6	6	
Generation of electrical energy: main sources and alternative sources	9	9	
Transmission line conductors	6	6	
Electric insulators: types-parameters	6	6	
Analysis of transmission lines: short lines, medium lines and long lines	6	12	Insufficient time for analysis of transmission lines using different models
Power cables parameters: series impedance, shunt admittance	6	6	
Analysis of distribution systems: radial system- ring system	6	6	

(*) 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	.....	.....

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	Identify the power system components.	Final exam Q1	Results= 92%
2.0	**Cognitive Skills**		
2.1	Determine the power produced by electrical power station	Final exam Q4	Results= 73%
2.2	Determine the parameters of Transmission line conductors.		
2.3	Determine the parameters of Electric insulator.		
2.4	Determine the parameters of power cables.		
2.5	Analyze transmission line.		
2.6	Analyze distribution system		

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

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, free Discussion, Case Studies		Y	None
Slides, Implication Studies		Y	None
……			……
……			……
……			……

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	1	5%	Normal distribution
A	2	10%	Normal distribution
B+	2	10%	Normal distribution
B	3	14%	Normal distribution
C+	2	10%	Normal distribution
C	5	24%	Normal distribution
D+	2	10%	Normal distribution.
D	2	10%	Normal distribution
F	2	10%	Normal distribution
Denied Entry	0	0%	……
In Progress	0	0 %	……
Incomplete	0	0 %	……

Pass	19	91%	Good pass percentage
Fail	2	9%	……..
Withdrawn	0	0 %	……..

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

- The absence of students during the weeks of the first and second midterm exams affects considerably their performances and consequently their results

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

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

Variation	Reason
None	None
None	None
None	None

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

Variation	Reason
None	None
None	None
None	None

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 dean of the Engineering College.	Grades approved by Head of department and the dean of the Engineering College

D. Resources and Facilities

Difficulties in access to resources or facilities (if any)	Consequences of any difficulties experienced for student learning in the course
The required textbook is not available in the university library.	The learning process was not completely effective
……	……
……	……

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)

-

2. Other Evaluation :

a. List the most important recommendations for improvement and strengths

- ……
- ……
- ……
- ……

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 of text book	None	None	None
b) Interactive teaching methods	NONE due to the short term	None	None
c) ……	……	……	……
d) ……	……	……	……

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

- ……

- .....
- .....
- .....

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) Update of text book Proposed text book: Principles of Power systems- V.K Mehta –Rohit Mehta –S CHAND 4th revised edition 2008	Hard copies of updated text book	01/07/2017	30/12/2017	UPC
b) Interactive teaching methods	The instructor will use case study and group discussion	01/07/2017	30/12/2017	The instructor
c) Use D2L for rubrics	d) Use D2L for rubrics	01/07/2017	30/12/2017	The instructor

Course Instructor:

Name: DrYoucef berrouche
Signature: ..... Date Report Completed: 27th /5/2017

Program Coordinator:

Name: .....
Signature: ..... Date Received : ...../...../2016

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