



جامعة المجمعة
Majmaah University

Course Report

**College:
Programme**

**College of Engineering
Electrical Engineering (Power Track)**

Course :

Power Systems Protection (EE476)

Muharram 1437 H



This form compatible with NCAAA Edition

Course Report

Institution :	Majmaah University	Date of CR	1/1/2017
College/ Department	College of Engineering/ Electrical Engineering		

A Course Identification and General Information

1. Course title: Power Systems Protection	Code	EE476	Section	130,138		
2. Name of course instructor	Dr. Ahmed Bilal Awan		Location :	College of Engineering		
3. Year and semester to which this report applies: Year 4/Semester 7 (Level 9)						
4. Number of students starting the course?	30	Students completing the course?	30			
5. Course components:						
	Lecture	Tutorial	Laboratory/ Studio	Practical	Other	Total
Contact Hours	45	15	60
Credit	3	0	3

B- Course Delivery :

1. Coverage of Planned Program

Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations (*)
Protection system principles and components	8	8	.....
Short circuit calculations	8	8	.....
Protective instrument transformers|: VT-CVT-CT	8	8	.....
Protective relays: Electromechanical relays, Static relays, Numerical relays	8	8	.....
Over-current protection	8	8	.....
Distance protection systems	8	8	.....
Power frequency and carrier systems	4	4	.....
Protection of generators- motors- transformers- busbars- reactors- capacitors; Protection of distribution system feeders	8	8
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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)	Effected Learning Outcomes	Possible Compensating Action
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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	Calculate faults current and voltages	- Exams - Quizzes - Homework	79%
2.2	Use instrument transformers: CT, CVT, VT.	- Exams - Quizzes - Homework	79%
2.3	Identify and analyze faults in a real power system.	- Exams - Quizzes - Homework	68%
2.4	Design a protection scheme for distribution system, transmission lines, generators, motors, bus-bars etc.	- Exams - Quizzes - Homework. - Class Activities	68%
2.5	Configure the settings of protective relays for a particular application.	- Exams - Quizzes - Homework - Class Activities	70%
2.6	.....	.....	.....
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	Identify basic components of a protection system.	Standardized exams, Oral exams, Micro projects	50%
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.

Interactive teaching methods is recommended to improve the involvement of the students in the 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	



Class room lectures		X	Class room and white board size is very small.
Study semester projects		X	Student complained that they are already overloaded. Some students did not submit the reports on time.
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.....		
.....		

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A+	3	10 %	.....
A	3	10 %	Low level of basic electrical engineering concepts did not allow the students to get good grades
B+	3	10 %	.....
B	0	0 %	.....
C+	4	13 %	.....
C	2	7 %	.....
D+	4	13 %	Level of basic concepts was very low which lead to low grades
D	6	20 %	Level of basic concepts was very low which lead to low grades
F	5	17 %	.....
Denied Entry	0	0 %	.....
In Progress	0	0 %	.....
Incomplete	0	0 %	.....
Pass	17	83 %	.....
Fail	2	17 %	.....
Withdrawn	0	0 %	.....



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

- Students are weak in mathematics. The College and Department should check the level of students in mathematics before admission.
- Some students have English comprehension and communication problems
- IQ level of students is low and they have problems to grasp complicated concepts

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

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

Variation	Reason
.....
.....
.....

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

Variation	Reason
.....
.....
.....

4. Student Grade Achievement Verification :

Method(s) of Verification	Conclusion
Cross-check of grade validity	Validated
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D. Resources and Facilities

Difficulties in access to resources or facilities (if any)	Consequences of any difficulties experienced for student learning in the course
Size of the white board is too small for engineering classes	Lot of time was wasted due to very small white boards and students cannot see everything on the white board in one glance.
Class rooms structure	Class rooms are rectangular and white boards are installed on the length side of the rectangle rather than width side. The students sitting at the corners cannot even see the white board.
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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
Some students register too many credit hours for one semester	Students with high number of credit hours cannot concentrate and give enough time to study individual courses
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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"> • Delivering the course was same as planned • Instructor was enthusiastic in delivering the course. • Instructor took good care of my progress • Was everything provided in the course was upto date and beneficial • Correction of home work and test was fair • The relationship between this course and other courses was clear to students
<p>b. Response of instructor or course team to this evaluation</p> <ul style="list-style-type: none"> • I do not agree with students response. Course was delivered in the same plan as was mentioned in course syllabus. • Course was delivered in true spirit with planned teaching strategies. • Progress of the students was observed and weak students were encouraged to visit my office for extra help but students only visited one or two days before exams • All the course material was according to course description and was available online in D2L • Do not agree with students. Correction was fair. • This is a high level course and the students were explained the importance of the course in their future carrier

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) Changing of class rooms white board	Issue was raised	Still no results	.....
b) Improvement in SLO assessment	More online and class quizzes were taken	Some improvement was observed	.....
c) .....	.....	.....	.....
d) .....	.....	.....	.....

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

<ul style="list-style-type: none"> • More online and class quizzes were taken during the semester. • • •
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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) Improvement in SLO assessment	Arrange Class activities	05/01/2017	30/05/2017	Instructor
b) Text book is not available	Number of text books in library	05/01/2017	30/05/2017	Department
c) .....	.....	.../.../1438 H	.../.../1438 H	.....
d) .....	.....	.../.../1438 H	.../.../1438 H	.....
e) .....	.....	.../.../1438 H	.../.../1438 H	.....

Course Instructor:

Name: Dr. Ahmed Bilal Awan

Signature:

Date Report Completed: 1/1/2017

Program Coordinator:





Name:

Signature:

Date Received :/...../1438 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



تقييم عضو هيئة التدريس في مقرر معين للعام الجامعي 1437/ 1438 هـ الفصل الأول 38/37

القسم : الهندسة الكهربائية

طبيعة النشاط بالمقرر : محاضرة

رقم المقرر : 43631

عدد المسجلين : 30

الكلية : الهندسة بالمجمعة

اسم المقرر : وقاية أنظمة القوى الكهربائية

رمز المقرر : 476 كهر

أستاذ المقرر : احمد بلال أعوان غلام

أسئلة خاصة بما حدث خلال المقرر

م	بنود التقييم	لا اوافق مطلقا (1)		لا اوافق (2)		اوافق الى حد ما (3)		اوافق (4)		اوافق بشدة (5)		ن	المتوسط الحسابي	النسبة %
		العدد	%	العدد	%	العدد	%	العدد	%	العدد	%			
1	كان تنفيذ المقرر والأشياء التي طلب مني أداؤها متسقة مع الخطوط الأساسية للمقرر.	2	14.29	4	28.57	2	14.29	6	42.86	0	0	14	2.86	57.2
1	كان تنفيذ المقرر والأشياء التي طلب مني أداؤها متسقة مع الخطوط الأساسية للمقرر.	5	33.33	2	13.33	6	40	1	6.67	1	6.67	15	2.4	48
2	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) .	5	33.33	2	13.33	5	33.33	2	13.33	1	6.67	15	2.47	49.4
2	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).	2	14.29	2	14.29	4	28.57	6	42.86	0	0	14	3	60
3	لدى عضو هيئة التدريس الذي يقوم بتقديم هذا المقرر إمام كامل بمحتوى المقرر.	1	7.14	4	28.57	3	21.43	6	42.86	0	0	14	3	60
3	لدى عضو هيئة التدريس الذي يقوم بتقديم هذا المقرر إمام كامل بمحتوى المقرر.	5	33.33	3	20	5	33.33	1	6.67	1	6.67	15	2.33	46.6
4	كان عضو هيئة التدريس موجودا للمساعدة خلال الساعات المكتبية .	5	33.33	2	13.33	6	40	1	6.67	1	6.67	15	2.4	48
4	كان عضو هيئة التدريس موجودا للمساعدة خلال الساعات المكتبية .	1	7.14	3	21.43	4	28.57	6	42.86	0	0	14	3.07	61.4
5	كان عضو هيئة التدريس متحمسا لما يقوم بتدريسه .	4	26.67	3	20	6	40	1	6.67	1	6.67	15	2.47	49.4
5	كان عضو هيئة التدريس متحمسا لما يقوم بتدريسه .	3	21.43	2	14.29	4	28.57	5	35.71	0	0	14	2.79	55.8
6	كان عضو هيئة التدريس مهتما بمدى تقدمي وكان معينا لي.	3	21.43	3	21.43	3	21.43	5	35.71	0	0	14	2.71	54.2
6	كان عضو هيئة التدريس مهتما بمدى تقدمي وكان معينا لي .	4	26.67	2	13.33	7	46.67	1	6.67	1	6.67	15	2.53	50.6
7	كان كل ما يقدم في المقرر حديثا ومفيدا ، (النصوص المقروءة ، التلخيصات ، المراجع ، وما شابهها) .	4	26.67	2	13.33	6	40	2	13.33	1	6.67	15	2.6	52
7	كان كل ما يقدم في المقرر حديثا ومفيدا، (النصوص المقروءة، التلخيصات، المراجع، وما شابهها).	2	14.29	3	21.43	3	21.43	6	42.86	0	0	14	2.93	58.6
8	كانت المصادر التي احتجتها في هذا المقرر متوافرة كلما احتاج إليها .	5	33.33	3	20	5	33.33	1	6.67	1	6.67	15	2.33	46.6
8	كانت المصادر التي احتجتها في هذا المقرر متوافرة كلما كنت احتاج إليها.	1	7.14	3	21.43	3	21.43	7	50	0	0	14	3.14	62.8
9	كان هناك استخدام فعال للتقنية لدعم تعليمي في هذا المقرر.	1	7.14	3	21.43	3	21.43	7	50	0	0	14	3.14	62.8
9	كان هناك استخدام فعال للتقنية لدعم تعليمي في هذا المقرر .	5	33.33	2	13.33	5	33.33	2	13.33	1	6.67	15	2.47	49.4
10	وجدت تشجيعا لإلقاء الأسئلة وتطوير أفكار الخاصة في هذا المقرر.	3	21.43	1	7.14	3	21.43	7	50	0	0	14	3	60
10	وجدت تشجيعا لإلقاء الأسئلة وتطوير أفكار الخاصة في هذا المقرر .	5	33.33	1	6.67	6	40	2	13.33	1	6.67	15	2.53	50.6

