

PROGRAMME REPORT (Doctor of Philosophy)

Programme Title:

**Doctor of philosophy in Electrical Engineering
(Electrical Power and Machines Engineering)**

Programme Code:

ELEPh-PM

*Department Offering the
Programme:*

Electrical Engineering

A- BASIC INFORMATION:

No.	Item	Specification		
		Single	Double	Multiple
1	Programme Type	√	-----	-----
2	Department(s)	Electrical Engineering		
3	Coordinator	Prof. Dr. Abdel-Mohsen Kinawy		
4	External Evaluator(s)	Prof. Dr. Metwaly Awad Hasan El-Sharkawy		
5	Year of Operation	2013-2014		

B- STATISTICS

B.1. First Semester

1	Number of students starting the first level.			4
2	Number of students starting the second level			4
3	Number of students starting the third level			-
3	Number and percentage of students passing in each level	First Level (Comprehensive Exam)		No. 4
				% 100
		Second Level (Courses)		No. 2
				% 50
4	Number of students completing the programme and as a percentage of those who started	Third Level (Thesis)		No. -
				% -
5	Grading	First Level	≥ 3 points	No. 4
				% 100

			≥ 2 points	No.	-
			< 3 points	%	-
			Failed	No.	-
				%	-
		Second Level	≥ 3 points	No.	2
				%	50
			≥ 2 points	No.	2
			< 3 points	%	50
		Third Level	Failed	No.	-
			Search completed and has been discussed successfully	%	-
Search is not completed or discussed					
6	Percentages of the grading cohort who have	Appropriate employment			-
		Other employment			-
		Undertaken more postgraduate study			50%
		Engaged in other types of activity			-
		Unknown destination			-

B.2. Second Semester

1	Number of students starting the first level.			--	
2	Number of students starting the second level			3	
3	Number of students starting the third level			-	
3	Number and percentage of students passing in each level	First Level (Comprehensive Exam)	No.	--	
			%	--	
		Second Level (Courses)	No.	3	
			%	100	
Third Level (Thesis)	No.	-			
	%	-			
4	Number of students completing the programme and as a percentage of those who started			No.	-
				%	-
5	Grading	First Level	≥ 3 points	No.	
				%	
			≥ 2 points	No.	
			< 3 points	%	
		Second Level	Failed	No.	-
				%	-
			≥ 3 points	No.	3
				%	100
		Third Level	≥ 2 points	No.	-
			< 3 points	%	-
Failed	No.		-		
Third Level	Search completed and has been discussed successfully	%	-		
	Search is not completed or discussed		-		

6	Percentages of the grading cohort who have	Appropriate employment	-
		Other employment	-
		Undertaken more postgraduate study	--
		Engaged in other types of activity	-
		Unknown destination	-

B.3. Summer Semester

1	Number of students starting the first level.			-	
2	Number of students starting the second level			-	
3	Number of students starting the third level			-	
3	Number and percentage of students passing in each level	First Level (Comprehensive Exam)	No.	-	
			%	-	
		Second Level (Courses)	No.	-	
			%	-	
		Third Level (Thesis)	No.	-	
			%	-	
4	Number of students completing the programme and as a percentage of those who started			No.	-
				%	-
5	Grading	First Level	≥ 3 points	No.	-
			%	-	
			≥ 2 points < 3 points	No.	-
			%	-	
		Second Level	Failed	No.	-
			%	-	
			≥ 3 points	No.	-
			%	-	
		Third Level	≥ 2 points < 3 points	No.	-
			%	-	
			Failed	No.	-
			%	-	
Third Level	Search completed and has been discussed successfully	%	-		
	Search is not completed or discussed		-		
6	Percentages of the grading cohort who have	Appropriate employment	-		
		Other employment	-		
		Undertaken more postgraduate study	-		
		Engaged in other types of activity	-		
		Unknown destination	-		

C. ACADEMIC STANDARDS

C.1. Achievement of Programme Intended Learning Outcomes

Code	Course	Programme ILOs (by No.)			
		K*	I**	P***	T****
ELE701	Protection of Electrical Power Systems	A1, A2 & A4	B1& B9	C2 & C3	D3, D4, D5 &D6
ELE702	High Voltage Engineering	A1, A2 & A4	B1& B9	C2 & C3	D3, D4, D5 &D6
ELE703	Electrical Machines	A1, A2 & A4	B1& B9	C2 & C3	D3, D4, D5 &D6
ELE704	Electrical Power Systems	A1, A2 & A4	B1& B9	C2 & C3	D3, D4, D5 &D6
ELE705	Control of Electrical Power Systems	A1, A2 & A4	B1& B9	C2 & C3	D3, D4, D5 &D6
ELE706	Control of Electrical Machines	A1, A2 & A4	B1& B9	C2 & C3	D3, D4, D5 &D6
ELE707	Signal Processing Techniques in Power System Protection	A1	B3 & B8	C3	D4 & D5
ELE708	New Trends in Power System Protection Engineering	A1	B6 & B9	C1 & C4	D4 & D5
ELE709	Optical Fiber Based Monitoring of High Voltage Power Equipment	A1, A2 & A4	B1&B9	C2&C3	D3,D4, D5 &D6
ELE710	Conditional Monitoring of High Voltage Equipment	A1	B5 & B7	C3 & C4	D3, D4, D5 & D6
ELE712	Optimal Operation of Electrical Power System	A1& A5	B2, B3&B7	C1, C3& C4	D3& D5
ELE713	Applications of Modern Optimization Techniques in Electrical Power Systems				

ELE714	Optimal Planning of Electrical Power Systems	A1,A2	B2&B6	C3&C4	D1&D4
ELE715	Power quality in Electrical power systems	A1,A2&A4	B1,B2&B3	C1,C2&C3	D4&D5
ELE718	Special Electrical Machines	A1	B8	C3	D2
Commentary (quoting evaluations from external evaluator and other stakeholders)					

- * **Knowledge and Understanding**
- ** **Intellectual Skills**
- *** **Professional and Practical Skills**
- **** **General and Transferable Skills**

C.2. Achievement of Programme Aims

Commentary (quoting evaluations from external evaluator and other stakeholders)	Achieved
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C.3. Assessment Methods

Commentary (quoting evaluations from external evaluator and other stakeholders)	First Level	Written and Oral Exam
	Second Level	Written exam is the only way to assess the students. The periodic assessments, discussions and reports during the semester help students to successfully pass the final exam
	Third Level	Student defends his thesis publicly

C.4. Student Achievement

Commentary (quoting statistics from section B and evaluations from external evaluator and other stakeholders)	Achieved
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C.5. Quality of Teaching and Learning

Commentary (quoting evaluations by stakeholders including students)	Available
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C.6. Effectiveness of Students Support System

Commentary on	Academic pastoral	Satisfied
	Personal support	Satisfied

C.7. Learning Resources

Adequacy		Totally adequate	Adequate to some extent	Inadequate
1	Faculty members and their assistants to students	√		
2	Faculty members specialization to programme needs.	√		
3	Availability programme handbook	√		
4	Library	√		
5	IT facility		√	

C.8. Quality Management

Adequacy		Totally adequate	Adequate to some extent	Inadequate
1	Availability of Regular Evaluation and Revision System for the Programme	√		
2	Effectiveness of the System	√		
3	Effectiveness of Faculty and University Laws and Regulations for Progression and Completion	√		
4	Effectiveness of Programme External Evaluation System	External Evaluator	√	
		Students	√	
		Other Stakeholders	√	
5	Faculty Response to Student and External Evaluations	√		

C.9. Proposals for Programme Development

1	Programme Structure (units/credit-hours)	-
2	Courses (deletions, additions and modifications)	√
3	Staff development requirements	√

C.10. Progress of Previous Year's Action Plan

Action identified	Make a work shop for upgrading the contents of post courses
Person responsible	Members of Electrical Engineering Dept.
Progress of action state if completed and any reason for non-completion	Non completion Just now-

C.11. Action Plan

Action Required	Add Extra References and Web. Sites-
Person responsible	Members of Electrical Engineering Dept.
Completion date	June 2015

Head of Electrical Engineering Department

Prof.Dr.G.A.Morsy