



Annual Course Report

(Electrical Engineering)

A- Basic Information

- 1 Title and Code **Electrical Engineering
AC141**
- 2 Programme(s) on which this course is given AC
- 3 Academic year / Level of programme 1st year/ 1st Semester
- 4 Units/Weekly hours

Lecture Tutorial/Practical Total

5- Names of lecturers contributing to the delivery of the course

- a. Dr. Mohamed Hamdy
b. Dr Tarek khedr

Course coordinator: Dr. Mohamed Hamdy

External evaluators:

B- Statistical Information

No. of students attending the course: No. 260
No. of students completing the course: No. 260 % 100.00

Results:

Passed: No. 252 % 96.92
Failed: No. 8 % 3.08

Grading of successful students:

Excellent: No. 35 % 13.46
Very Good: No. 72 % 27.69
Good: No. 55 % 21.15
Pass: No. 90 % 34.62

C- Professional Information

1. Course Teaching

Topic	No of hours	Lecturer
Part I: DC circuits		Dr. Mohamed Hamdy Dr Tarek khedr
1 Introduction to electricity	5	
2 Voltage cells and batteries	5	
3 Resistive circuits	5	
4 Network analysis techniques	5	
5 Network theory	5	
6 Network theory	5	
Part II: AC circuits		
7 AC fundamentals	5	
8 Root mean square representations	5	
9 Vector representation of AC	5	
10 AC through resistance, inductance and capacitance	5	
11 Series AC circuits	5	
12 Resonance and circle diagram of series AC circuits	5	
13 Parallel AC circuits	5	
14 Resonance and graphic representations	5	
Appendix: Magnetic circuit systems		
Total	70	

Topics taught as a percentage of the content specified:

>90 %
 70-90 %
 <70%

2. Teaching and Learning Methods:

- Lectures:
 Practical Training/ Laboratory:
 Seminar/Workshop:
 Class Activity:
 Case Study:
 Other Assignments/Homework:
Case Study

Other assignments/homework:

3. Student Assessment:

Method of Assessment	Percentage of total
Written examination	68
Midterm exams	16
Oral Examination	0
Practical/laboratory work	0
Other Assignments/class work	16
Total	100 %

Members of Examination Committee:

- c. **Prof. Magdi Koutb**
- d. **Prof. Mohamed Ahmed Fkirin**
- e. **Prof. Mohamed El-Kordy**

Role of external evaluator:

4. Facilities and Teaching Materials:

Totally adequate	<input type="checkbox"/>
Adequate to some extent	<input checked="" type="checkbox"/>
Inadequate	<input type="checkbox"/>

5. Administrative Constraints

- Students need extra hours
- Insufficient class rooms and halls.
- Insufficient assistant staff members.

6. Student Evaluation of the course: Response of Course Team

- Examples of the course materials in the real life applications.

- An extra examples of the course materials in the real life applications are added

7. Comments from external evaluator(s):

Response will be received.

8. Course Enhancement:

Progress on actions identified in the previous year's action plan:

This is the first year plan.

9. Action Plan for Academic Year 2012 – 2013

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	No feedback of the examination to the students, so exams can not be used for learning.	- Formative exams during the term with a feedback to the students, so these examinations can be used as a method of learning.	- Faculty - Department	2013
Quality of Teaching and Learning	Students attendance at lecture are not very good	- Engagement of students from different academic years to the curriculum development	- Faculty - Department	2013
Learning resources	Insufficient text books in the field	-Buy more text books, to be added to the library	- Faculty	2013
Course content	Gap between up-to-date information and reference text books	- Give students more implementation exercises that cover their understanding of course.	Course coordinator	2013

Course Coordinator: Dr. Mohamed Hamdy

Signature:

Date: / /