



# Annual Course Report

## (*Electrical Workshop*)

### A- Basic Information

1. Title and Code **Electrical Workshop** EC 123  
2. Programme(s) on which this course is given EC  
3. Academic year / Level of programme 1st Year/2nd semester (2012/2013)  
4. Units/Weekly hours

Lecture  Tutorial/Practical  Total

- 5- Names of lecturers contributing to the delivery of the course  
Dr. Gaber El-abyad and Dr. Mahmoud El-kholy

Course coordinator:

External evaluators:

### B- Statistical Information

No. of students attending the course: No.  %

No. of students completing the course: No.  %

#### Results:

Passed: No.  %  Failed: No.  %

#### Grading of successful students:

Excellent: No.  %  Very Good: No.  %

Good: No.  %  Pass: No.  %

## C- Professional Information

### 1. Course Teaching

Content Topics	No of hours	lecture	Tutorial/ practical	Achieved ILOS
<b>1-Electronic Components.</b>	8	4	4	a3,a4,b5,b6,c2, c5,d1, d5
<b>-Tests -Famous Applications for Components.</b>	12	6	6	a3,a12,b4,b6, c4,c9,d1, d9
<b>- Planning and Designing Electronic Packaging.</b>	8	4	4	a3,b4,b5,c2,c5, c9,d5, d9
<b>-PCB Design Manufacturing.</b>	12	6	6	a4,a12,b4,b5, b6,c4,c5,d1, d9
<b>- Troubleshooting Tests. - Projects.</b>	8	4	4	a3,a4,b5,b6,c4, c5,c9,d1, d5, d9
<b>SUM</b>	48	24	24	

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:  
A real world project assigned.

**3. Student Assessment:**

Method of Assessment	Percentage of total
Written examination	70
Midterm exams	15
Oral Examination	0
Practical/laboratory work	10
Other Assignments/class work	5
Total	100 %

**Members of Examination Committee:**

Prof.  
Prof.  
Prof.

**Role of external evaluator:**

**4. Facilities and Teaching Materials:**

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

**5. Administrative Constraints**

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

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

- |                                    |   |
|------------------------------------|---|
| - Insufficient background in ..... | - |
| - Lack of .....                    | - |
| - Algorithms.....                  | - |

**7. Comments from external evaluator(s):**

## 8. Course Enhancement:

Modification of the course contents to include up to date topics in electrical workshop  
Several resources and references should be included.

## 9. Action Plan for Academic Year 2012 – 2013

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

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Good	-	- Faculty - Department	2014
Quality of Teaching and Learning	This subject needs number of experimental equipments and several laboratories	- Arrangement of several laboratories and electronic components.	- Faculty - Department	2013
Learning resources	Several references are required for this course	-		2014
Course content	Very Good			2012

**Course Coordinator: Dr. Gaber El-abyad and Dr. Mahmoud El-kholy**

**Authorized by Department Council in : 21/6/2009**

**Authorized by Faculty Council in: 5/7/2009**

**Head of Department:**

**Date: / /2009**