



# Annual Course Report

## (Network Theory)

### A- Basic Information

1. Title and Code Network Theory **EC 321**
2. Programme(s) on which this course is given EC
3. Academic year / Level of programme 3<sup>rd</sup> year/ 1<sup>st</sup> Semester (2012/2013)
4. Units/Weekly hours

Lecture  Tutorial/Practical  Total

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

i- Assco. Prof. Mohamed El-Halawany .

Course coordinator: Assco. Prof. Mohamed El-Halawany .

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
Positive real function - Synthesis of one port network with two kind of elements	15	9	6	a1,a4, b5,b6, c2,c3,d1,d7
Two port network	10	6	4	A3,a4, B16, C3,c4,D1,D9
<b>Approximation all Pole filters</b>	20	12	8	a3,a14, b6,b16, c3,d9
<b>Passive Synthesis</b>	20	12	8	a3,a15, b5,b6, c2,d1,d9
<b>Elements of Active Synthesis</b>	10	6	4	a1,a14, b5, c3,d7
<b>sum</b>	75	45	30	

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	0
Other Assignments/class work	15
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 data network | - |
| - Lack of computer network software       | - |
| - Algorithms for internet protocols       | - |

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

**8. Course Enhancement:**

1. Redistribution of the lectures in an balanced manner.
2. Inclusion of up to date topics in this subject

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

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Good	-	- Faculty - Department	2012
Quality of Teaching and Learning	Good	-	- Faculty - Department	2013
Learning resources	Not enough resources	-Inclusion of several references		2012
Course content	1-Details about the topics in this course are required. 2- Several lectures are devoted to topics which don't deserve this large number of lectures like prototype filtering and two port networks. 3- A topic like digital filters should be moved to this course.	1. Redistribution of the lectures in an balanced manner. 2. Inclusion of up to date topics in this subject		2013

**Course Coordinator: Asso. Prof. Mohamed El-Halawany**

**Authorized by Department Council in :**

**Authorized by Faculty Council in:**

**Head of Department:**

Prof. Saber H. Zainud-Deen

**Date: /**