



# 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
- 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	Week
Network Functions	1-3
Approximation all Pole filters	4-7
Passive Synthesis	9-11
Elements of Active Synthesis	12
Sensitivity.	13-14

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
- Adequate to some extent
- Inadequate

**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 2011 – 2012**

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Good	-	- Faculty - Department	2011
Quality of Teaching and Learning	Good	-	- Faculty - Department	2012

Learning resources	Not enough resources	-Inclusion of several references		2011
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		2012

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

**Authorized by Department Council in :**

**Authorized by Faculty Council in:**

**Head of Department:**

Prof. Saber H. Zainud-Deen

**Date: /**