



# Annual Course Report

## (4<sup>th</sup> Year Communication Laboratory test)

### A- Basic Information

1. Title and Code 4<sup>th</sup> Year Communication Laboratory test  
EC426
2. Programme(s) on which this course is given EC
3. Academic year / Level of programme 4<sup>th</sup> year / second Semester(2011/2012)
4. Units/Weekly hours
- Lecture  Tutorial/Practical  Total

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

Dr. Mona Shokair

Course coordinator: Dr. Mona Shokair

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
Microwave components	20	8	12	a1,a2,a8, b1,b6,b11, C2,C3,c11,d1, d3
Antenna demonstration	25	10	15	a1,a4,a20, b1,b7,b14, C2,c8,c14,d3,d7
mobile communication Systems	20	8	12	a4,a17, b7,b11, C8,c13,d7,d8
GPS/GSM systems	5	2	3	A4,a17, B1,b6,b16, C2,C11,c14,D1,d3,d7
optical fiber communications	10	4	6	A17,a23, B11,b16, C11,c13,c14,D1,d3
Microstrip line technology and amplifiers	20	8	12	A23,a25, B1,b7,b11,b14 C3,,c13,c15,d3 ,d8
Radar system – pulsed Radar	10	4	6	A8,a20,a23, B1,b7,b14,b16, C11,c14,D3,d10,d8
LAN Communication	5	2	3	A1,a8,a20, B6,b7,b14, C2,c14,D1,d3
SUM	115	46	69	

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 .....      -
- Lack of .....      -
- Algorithms.....      -

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

**8. Course Enhancement:**

Several new experiments added to cope with the advances in communications

**9. Action Plan for Academic Year 2011 – 2012**

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Good	-	- Faculty - Department	2012
Quality of Teaching and Learning	Good	-	- Faculty - Department	2012
Learning resources	Not enough	Up to date references should be added	Course Coordinator	2012
Course content	1- The experiments introduced in this lab are not enough. 2- Some of the topics of these experiments are not suitable for a last year student.	Several new experiments should be added to cope with the advances in communications	- Faculty - Department	2011

**Course Coordinator: Dr. Mona Shokair**  
**Authorized by Department Council in :**

**Authorized by Faculty Council in:**

**Head of Department:**

Prof.

**Date: / /**