



Annual Course Report

(Microwave Electronics)

A- Basic Information

1. Title and Code (Microwave Electronics)
EC430
2. Programme(s) on which this course is given EC
3. Academic year / Level of programme 4th year / 2nd semester (2012/2013)
4. Units/Weekly hours
Lecture Tutorial/Practical Total

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

Course coordinator: Assoc. Prof. Abdel-Aziz T. Shalaby

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. %

Professional Information

1. Course Teaching

Content Topics	No of hours	Lecture	Tutorial	Achieve ILOS
Microwave Tubes	20	12	8	A1,a5, B1,b5, C1,c2,D6
Solid State Amplifiers	10	6	4	A4,a5, B3,b5, C4,c7,D3,d6
Parametric Amplifiers	15	9	6	A8,a23, B12, C7,c16,d3
Oscillators and Mixers	15	9	6	A1,a4, B3, C16,D6,d9
sum	60	36	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	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 advanced mathematics -
- Lack of -
- Algorithms.....

7. Comments from external evaluator(s):

8. Course Enhancement:

Several References added

9. Action Plan for Academic Year 2012 – 2013

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Good	-	- Faculty - Department	2013
Quality of Teaching and Learning	Good	-	- Faculty - Department	2013

Learning resources	Not enough	Several References are required	Course Coordinator	2013
Course content	Good			2012

Course Coordinator: Assoc. Prof. Abdel-Aziz T. Shalaby

Authorized by Department Council in :

Authorized by Faculty Council in:

Head of Department:

Prof.

Date: / /