

جامعة المنوفية كلية الهندسة الألكتر ونية

قسم هندسة الألكترونيات والأتصالات الكهربية

# **Annual Course Report**

(Microwave Electronics)

# **A-Basic Information**

1 Title and Cod
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# (Microwave Electronics)

# **EC430**

- 2 Programme(s) on which this course is given EC 4<sup>th</sup> year / 2<sup>nd</sup> semester (2012/2013)
- 3 Academic year / Level of programme

3

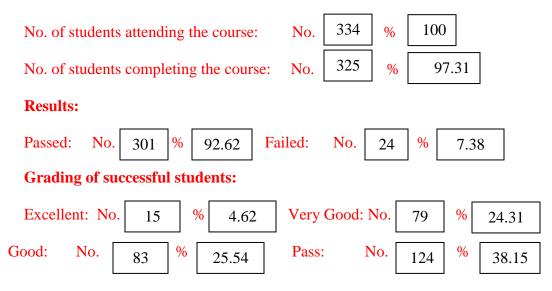
4 Units/Weekly hours Lecture

Tutorial/Practical	2	Total	5

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



# **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:

<u>90 %</u>
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70-90 %

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<70%
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## 2. Teaching and Learning Methods:

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Lectures:  $\sqrt{}$ Practical Training/ Laboratory:  $\sqrt{}$ Seminar/Workshop:  $\sqrt{}$ Class Activity:  $\sqrt{}$ Case Study:  $\sqrt{}$ Other Assignments/Homework:  $\sqrt{}$ 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

Total

15 100 %

#### **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
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- 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

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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: / /