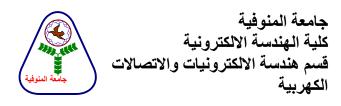
Menoufiya University
Faculty of Electronic Eng.
Department of electronics and
Communications Engineering



Annual Course Report

(Electronics 1, 2)

A- Basic Information	
1 Title and Code	Electronics EC 121, EC122
2 Programme(s) on which this course is given	EC
3 Academic year / Level of programme	1 st Year/1 st 2 nd Semester(2012/2013)
4 Units/Weekly hours	
Lecture 3 Tutorial/Practical 2	Total 5
5- Names of lecturers contributing to the delive	ery of the course
i- Prof.Dr.said El-Halfawy	
Course coordinator: Prof.Dr.said El-Halfawy	
External evaluators:	
B- Statistical Information	
No. of students attending the course: No.	826 % 100
No. of students completing the course: No.	811 % 98.18
Results:	
Passed: No. 786 % 96.92 Failed:	No. 25 % 3.08
Grading of successful students:	
Excellent: No. 199 % 24.53 Very 0	Good: No. 219 % 27
Good: No. 198 % 24.41 Pass:	No. 170 % 20.96

C- Professional Information

Content Topics	No of hours	lecture	Tutorial/	Achieved
			practical	ILOS
The Basic of (BJT) Transistor - Bipolar Junction Transistor Characteristics	10	6	4	A1, A4, B5, B6, C1, C2, C3,D1, D7
Load Lines and dc Bias Circuit - Small Signal Transistor Equivalent Circuit - Single Stage Transistor Amplifier	10	6	4	A1, A4, A8, B6, B7, C2, C3,D7
Metal Semiconductor Contact - Junction Field Effect Transistor JFET	5	3	2	A1, A3, B5, C2, C5,D9
Metals Semiconductor Field Effect Transistor (MESFET)	10	6	4	A1, A8, A15, B6, C1, C5,D7
Metal Oxide Semiconductor Field Effect Transistor (MOSFET) -Biasing Circuits Equivalent Circuits MOSFET	10	6	4	A3, A8, B6, B7, C5, C7
- Field Effect Transistor Amplifier	10	6	4	A3, A15, B5, B6, C2, C3,D1, D9
SUM	65	33	22	

Course Teaching

Content Topics	No of hours	Lecture	Tutorial/ practical	Achieved ILOS
Electron Ballistics	10	6	4	A1, B5, B7, C1,D1, D7
Semiconductor Physics	10	6	4	A3, B5, C5,D1, D9

P-N Junction Diodes - P-N Junction Analysis	15	9	6	A1, A3, B7, C1, C5,D7, D9
Diode Applications	15	9	6	A3, A15, B5, C5,D7
Zener and other two Elements Devices	10	6	4	A1, A15, B5, B7, C1,D9
sum	60	36	12	

	sum	60	36	12				
	Topics taught as a percentage of the content specified:							
	<u>>90 %</u> √	70-90 %		<70%				
1.	Teaching and I	earning Metho	ods:					
	Lectures:		J					
	Practical Tra	ining/ Laborator	ry:					
	Seminar/Wor	rkshop:						
	Class Activit	y:	\[
	Case Study:		√					
Ca	Other Assign	ments/Homewo	ork:					
	Other assignments	s/homework:						
	A real world	project assigned	1.					

2. 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 C Prof. Prof. Prof.	ommittee:
Role of external evaluator:	
3. Facilities and Teaching Materia	als:
Totally adequate	$\sqrt{}$
Adequate to some extent	
Inadequate	
4. Administrative Constraints	
 Students need extra hou Insufficient class rooms Insufficient assistant sta Insufficient Lab. Techni 	and halls. ff members.
5. Student Evaluation of the cours	se: Response of Course Team
- Insufficient background in	
- Lack of	-
- Algorithms	-
6. Comments from external evaluation	ator(s):
7. Course Enhancement:	
1- The background part reduced in size	
2- more examples and exercises given	
3- Several references added	
8. Action Plan for Academic Year	2012 – 2013
Progress on actions identified in the	previous year's action plan:

1 rogress on actions identified in the previous year's action plan.						
Improvement	Weak points	Action required	Person	Completion		
Field	•	*	Responsible	Date		
Assessment Methods	Good	-	- Faculty - Department	2013		
Quality of Teaching and	This subject needs number of experimental	- Arrangement of several laboratories and electronic	- Faculty- Department	2014		

Learning	equipments and several laboratories	components.	
Learning resources	Several references are required for this course	_	2014
Course content	Very Good		2012

Course Coordinator: Prof. Dr. said El-Halfawy

Authorized by Department Council in: 21/6/2009

Authorized by Faculty Council in: 5/7/2009

Head of Department:

Date: / /2012