

جامعة المنوفية كلية الهندسة الالكترونية قسم هندسة الالكترونيات والاتصالات الكهربية

Annual Course Report

(OPTICAL COMMUNICATIONS)

A- Basic Information

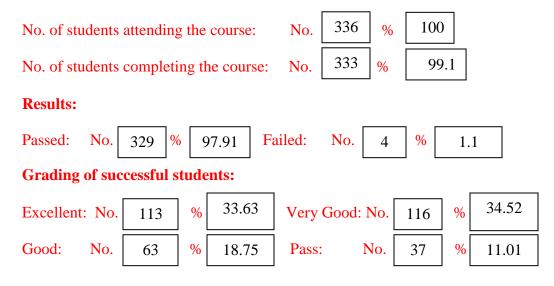
1	Title and Code			Optical C	ommunicatio	ons/
2	Programme(s)	on which this course is g	given	EC		
3	Academic year	/ Level of programme		3 rd Year-	2 nd Semester	
4	Units/Weekly h	ours				
	Lecture 3	Tutorial/Practical	2	Total	5	
5	Names of last	none contributing to the	dalima	www.af.4h.a.a		

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

i- Assoc. Prof. Dr. Osama Aly Oraby

Course coordinator: Assoc. Prof. Dr. Osama Aly Oraby **External evaluators**:

B- Statistical Information



C-Professional Information

1. Course Teaching

Content Topics	Week
Introduction	1
optical fiber waveguides	2-3
Transmission characteristic of optical fiber waveguide	4-7
optical sources	8-10
fabrication of optical fiber	11-12
connector, splices and coupler.	13-14

Topics taught as a percentage of the content specified:

391 %	\ 00	0/
	>90	×⁄0

√ 70-90 %

<70%	
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2. Teaching and Learning Methods:

Lectures:	\checkmark
Practical Training/ Laboratory:	
Seminar/Workshop:	
Class Activity:	\checkmark
Case Study:	
Other Assignments/Homework:	\checkmark

Case Study

Other assignments/homework: A real world project assigned.

3. Student Assessment:

Method of Assessment	Percentage of total
Written examination	68
Midterm exams	16
Oral Examination	0
Practical/laboratory work	0
Other Assignments/class work	16

Total

100%

Members of Examination Committee:

Assoc.Prof.Dr. Osama Aly Oraby Prof. Prof.

Role of external evaluator:

4. Facilities and Teaching Materials:

Totally adequate	\checkmark	
Adequate to some extent		
Inadequate		

5. Administrative Constraints

• Students need extra hours to implement their exercises...... Insufficient class rooms and halls.

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- Insufficient assistant staff members.
- Insufficient Lab. Technicians.

6. Student Evaluation of the course: Response of Course Team

-	Insufficient background in Mathematics & Physics	-
-	Lack of field theory course	-

7. Comments from external evaluator(s):

8. Course Enhancement:

- 1. Several references are required
- 2. Use optical devices in lab

3. Action Plan for Academic Year 2011 – 2012

Improvement	Weak points Action required	Action required	Person	Completion
Field	weak points	Action required	Responsible	Date
Assessment Methods	Good	-Good	- Faculty - Department	2011
Quality of Teaching and Learning	No lab	- An equipped laboratory should be established.	- Faculty - Department	2013

Learning resources	Not enough	Several references are required	2012
Course content	 The distribution of topics to lecture hours is not balanced. The title of the course is optical communications while all the topics are optical electronics. All the given content must be reduced to be half the course time Topics like analog and digital optical communications must be included. Optical wave propagation should be included. Optical multiplexers , filters and couplers must be studied. 	Modification of the course content and redistribution of the lecture time to all contents.	2012

Course Coordinator: Assoc. Prof. Dr. Osama Aly Oraby

Authorized by Department Council in :

Authorized by Faculty Council in:

Head of Department:

Prof. Saber H. Zainud-Deen

Date: /