



Annual Course Report

(OPTICAL COMMUNICATIONS)

A- Basic Information

- 1 Title and Code Optical Communications/
2 Programme(s) on which this course is given EC
3 Academic year / Level of programme 3rd Year- 2nd Semester
4 Units/Weekly hours

Lecture Tutorial/Practical Total

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

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	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:

>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	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

Adequate to some extent

Inadequate

5. Administrative Constraints

- Students need extra hours to implement their exercises.....
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 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 Field	Weak points	Action required	Person Responsible	Completion 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	<p>1- The distribution of topics to lecture hours is not balanced.</p> <p>2-The title of the course is optical communications while all the topics are optical electronics.</p> <p>3- All the given content must be reduced to be half the course time</p> <p>4- Topics like analog and digital optical communications must be included.</p> <p>5- Optical wave propagation should be included.</p> <p>6- Optical multiplexers , filters and couplers must be studied.</p>	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: /