Menoufiya University Faculty of Electronic Eng. Department of Physics and Engineering Mathematics



Annual Course Report $(7 \cdot 17 - 7 \cdot 17)$ (ENGINEERING PHYSICS ^γ) **Basic Information A-**Engineering physics ($^{\circ}$) PM $^{\circ}$ **** Title and Code * **Programme**(s) on which this course is given First Year-^{1st} Semester * Academic year / Level of programme Units/Weekly hours " Tutorial/Practical ۲ Lecture Total ٥ •- Names of lecturers contributing to the delivery of the course i- Prof. Mohamed Dawood. ii- Dr.Ahmed Abo-Arais. Course coordinator: Prof. Mohamed Dawood... External evaluators: Prof. Sayed M. Farag **B-** Statistical Information ۸١٤ 1 . . No. of students attending the course: No. % ۸١٤ 1 . . No. of students completing the course: % No. **Results:** 98.28 Passed: No. ٧٩٣ % Failed: No. ۲١ % ۲.0٨ Grading of successful students: Excellent: No. Very Good: No. 172 % 10,72 ۲۳۸ % ۳۰.۰۱ ۲۰۳ Good: No. % 107. Pass: No. ۲۲۸ % 71 10

C-Professional Information

\. Course Teaching

Торіс	No of hours	Lecture	Tutorial/ Practical
¹ . Crystal Structure	۲۱	٤	٤
r. X-rays	٣	١	`
". Optical Properties	٦	۲	۲
≠. Quantum Mechanics	14	٤	٤
•. Band Theory	٣	١	1
۲. Quantum Theory of solids	٦	۲	۲
^{<i>v.</i>} New Topics			
Total sum	٤٢	۱ ٤	۱ ٤

Topics taught as a percentage of the content specified:

>٩	٠	%

۷۰_۹۰ %

<۲۰٪

Y. Teaching and Learning Methods:

 $\sqrt{}$

Lectures:

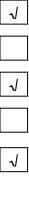
Practical Training/ Laboratory:

Seminar/Workshop:

Class Activity:

Case Study:

Other Assignments/Homework:



 $\sqrt{}$

Case Study

Other assignments/homework: A real world project assigned.

°. Student Assessment:

Method of Assessment	Percentage of total
Written examination	٦.
Midterm exams	٢٤
Oral Examination	•
Practical/laboratory work	17
Other Assignments/class work	•
Total	۱۰۰%

Members of Examination Committee:

i- Prof. Mohamed Dawood. ii- Dr.Ahmed Abo-Arais. Prof. Mohamed Fokaireen.

Role of external evaluator:

- Review examination to cover all objectives of the syllabus.
- Confirming reliability and feasibility of the examination.
- Determining repetition of the questions.

4. Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	\checkmark
Inadequate	

•. Administrative Constraints

- Students need extra hours to practice their exercises.
- Insufficient Lab. Technicians.

5. Student Evaluation of the course:Response ofCourse Team

- Insufficient background in experemental - An extra exercises and solved problems are added to the practical part of the course

V. Comments from external evaluator(s):

- The following topics must be added to the course: Simple harmonic motion and Waves.

^. Course Enhancement:

Action Plan for Academic Year $7 \cdot 17 - 7 \cdot 17$:

	1 101 Academic 1 cal + -			
Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Midterm only & Reports	- add quizzes - Research, survey	Lectures	7.18
Quality of Teaching and Learning	lack of facilitiesHuge number of students	 Increasing data show numbers Dividing the students into subgroups 	Faculty	* • 1 *
Learning resources	Lack of availability of teaching & learning resources	Increasing number of computers and Labs workshop facilities	- Faculty - Department	4.12
Course content	 Y-To be renewed and developed Y-Adding new topics suggested by the external evaluator. 	۲۰% of courses to be reviewed and replaced by new topics Simple harmonic motion and waves topics	۱- lectures and department ۲- Faculty and departement.	۲.۱۲

Course Coordinator: Prof. Mohamed Dawood.

Head of Department:

Prof.Dr. Magdy Kamel