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| *Course report of* |
| **Physics (2) – PHM 122 – Spring 2016** |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. **Title and code:**

|  |
| --- |
| **Physics (2) - PHM 122** |

1. **Program on which the course is given:**

|  |  |
| --- | --- |
|

|  |
| --- |
| All 4 Mechanical Engineering |

 |

1. **Year/Level of program:**

|  |
| --- |
|  1st year - second semester |

1. Units/Credit Hours

|  |  |
| --- | --- |
| ( i ) Lecture : | 2 |

|  |  |
| --- | --- |
| ( ii ) Tutorial/Practical : | 2  |

|  |  |
| --- | --- |
| ( iii ) Total : | 4 |

1. Names of lecturers contributing to delivery of the course:

|  |  |
| --- | --- |
|  |  Dr. Ahmed Shaker Ahmed Zaki Ghazala Dr. Ismail Hafez Dr. Micha |

|  |  |
| --- | --- |
| Course coordinator: | Prof. Dr. Wael Fikry |

|  |  |
| --- | --- |
| External evaluator: | --- --- --- |

## Statistical Information

|  |  |
| --- | --- |
| No of students attending the course:  | **401** |

|  |  |  |
| --- | --- | --- |
|  | Number | Percentage (%) |
| **Students completing the course** | 401  | 100% |
| **Results** | Passed  | 337 | 84.04% |
| Failed  | 64 | 15.96% |
| **Grading Of successful students** | Excellent | 53 | 13.2 |
| Very Good | 100 | 24.9 |
| Good | 74 | 18.5 |
| Pass | 110 | 27.4 |

## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| Course Content | No. of Hours | Lecturer |
| Vibrations | **8** | Ahmed Shaker |
| Superposition principles | **9** | Ahmed Shaker |
| Mechanical and sound waves | **4** | Ahmed Shaker |
| Physical optics | **9** | Ahmed Shaker |
| Special theory of relativity | **6** | Ahmed Shaker |
| Quantum theory of radiation | **4** | Ahmed Shaker |
| Wave properties of matter | **5** | Ahmed Shaker |

**Topics taught as a percentage of the content specified:**

**>90 % X 70-90 % <70%**

**Reasons in detail for not teaching any topic**

**Teaching and learning methods:**

 Lectures: **X**

Assignments: **X**

Technical Reports:

Class Activity: **(Tutorials) No sections are given in this course**

**Case Study:**

Other assignments/homework: **NA**

1. **Student assessment:**

|  |  |
| --- | --- |
| **Method of assessment** | **Percentage of total** |
| Written examinations (midterm) | 20 % |
| Written examinations (final) | 60 % |
| Oral examination (Project presentation) | 0 % |
| Practical/laboratory work | 20 % |
| Other assignments/class work | 0 % |

**Members of examination committee**

Dr. Ahmed Shaker Ahmed Zaki Ghazala

**Role of external evaluator**

N/A………………………………………………………………………………………….

1. **Facilities and teaching materials:**

x

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

1. **Administrative constraints:**

List any difficulties encountered

 No difficulties

1. **Student evaluation of the course:**

**N/A**

**Response of Course Team**

1. **Comments from external evaluator(s): Response of course team**

………**N/A** ………………. …………………………….