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| Course report of |
| **Physics (2) – PHM 122 – Spring 2018** |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. **Title and code:**

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

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

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

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

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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:

|  |  |
| --- | --- |
|  |  Prof. Dr. Salah El-din Hassan Gamal  Dr. Ismail Hafez Dr. Micha |

|  |  |
| --- | --- |
| Course coordinator: | Prof. Dr. Salah El-din Hassan Gamal  |

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

## Statistical Information

|  |  |
| --- | --- |
| 1. No of students attending the course:
 | **365** |

|  |  |  |
| --- | --- | --- |
|  | Number | Percentage (%) |
| **Students completing the course** | 365 | 100% |
| **Results** | Passed  | 286 | 78.3% |
| Failed  | 79 | 21.7% |
| **Grading Of successful students** | Excellent | 22 | 6 |
| Very Good | 39 | 10.6 |
| Good | 59 | 16.2 |
| Pass | 166 | 45.5 |

## Professional Information

1. **Course Teaching:**

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

**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) | 10 % |
| Written examinations (final) | 60 % |
| Oral examination (Project presentation) | 0 % |
| Practical/laboratory Exam | 20 % |
| Other assignments/class work and Lab | 10 % |

**Members of examination committee**

Prof. Dr. Salah El-din Hassan Gamal

**Role of external evaluator**

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

1. **Facilities and teaching materials:**

Totally adequate

x

Adequate to some extent

Inadequate

List any inadequacies

1. **Administrative constraints:**
2. **Student evaluation of the course:**

**N/A**

**Response of Course Team**

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

………**N/A** ………………. …………………………….