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| *Course report of* |
|  **Engineering Mechanics I (Dynamics) – PHM031** – Spring 2017 |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

|  |
| --- |
| **Engineering Mechanics I (Dynamics) – PHM031** |

1. Program on which the course is given :

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

|  |
| --- |
| All Programs |

 |

1. Year/Level of programs :

|  |
| --- |
| O Level  |

1. Units/Credit Hours

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

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

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

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

|  |  |
| --- | --- |
| i - | Prof. Dr. Abdalla El Marhomy |

|  |  |
| --- | --- |
| ii - | Dr. Ahmed Eizt, Dr. Hussein Elsayed |

|  |  |
| --- | --- |
| Course coordinator: | Dr. Mohamed Mahmoud Attia |

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

## Statistical Information

|  |  |
| --- | --- |
| No. of students attending the course: |  1880 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| النجاحعدد | ضعيف جدا | ضعيف | مقبول  | جيد | جيد جدا | ممتاز | الدرجة |
| 1599 | 161 | 131 | 713 | 429 | 303 | 104 | عدد الطلبة |
| 85.05 | 8.7 | 7 | 37.9 | 22.8 | 16.1 | 8.2 | النسبة المئوية% |

## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| Course Content | No. of Hours | Lecturers |
| Kinematics of particles1. Motion in straight line
2. Motion about a curve
3. Relative Motion
 | **10** | Prof. Dr. Abdalla El Marhomy & Dr. Ahmed Eizt, Dr. Hussein Elsayed |
|  Kinetics of ParticleNewton's second law of motion. | **10** | Prof. Dr. Abdalla El Marhomy & Dr. Ahmed Eizt, Dr. Hussein Elsayed |
| Projectile Motion | **6** | Prof. Dr. Abdalla El Marhomy & Dr. Ahmed Eizt, Dr. Hussein Elsayed |
| Work, Energy and momentum. | **6** | Prof. Dr. Abdalla El Marhomy & Dr. Ahmed Eizt, Dr. Hussein Elsayed |
| Impact and Impulsive Motion | **6** | Prof. Dr. Abdalla El Marhomy & Dr. Ahmed Eizt, Dr. Hussein Elsayed |
|  | **38** |  |

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

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

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

………………………………………………………………………………………………

**If any topics were taught which are not specified, give reasons in detail**

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

**Teaching and learning methods:**

 Lectures: **X**

Practical training/ laboratory:

Seminar/Workshop:

Class Activity: **(Tutorials)**  **X**

**Case Study:**

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

………………………………………………………………………………………………

1. **Student assessment:**

|  |  |
| --- | --- |
| **Method of assessment** | **Percentage of total** |
| Written examination(Final) | 70 % |
| Mid-Term Exam | 20 % |
| Lab. +a Attendance | 10 % |
| Total | 100 % |

**Members of examination committee**

 i – Prof. Dr Abdalla El marhomy , Dr. Ahmed Eizt, Dr. Hussein Elsayed

**Role of external evaluator**

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

1. **Facilities and teaching materials:**

Totally adequate

Adequate to some extent X

Inadequate

List any inadequacies

1. **Administrative constraints:**

List any difficulties encountered

 No difficulties

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

**Response of Course Team**

…………………………………………………………………………………

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