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| --- | --- |
| *Course report of* | |
| |  | | --- | | Theory of Machines (1) – MDP 251 –-2016/2017 | | |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

|  |
| --- |
| Theory of Machines – MDP 251 |

1. Program on which the course is given :

|  |  |
| --- | --- |
| |  | | --- | | Mechanical Engineering Program | |

1. Year/Level of programs :

|  |
| --- |
| Second Year Mechanical (General) |

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. Taher G. Abu-El-Yazied |

|  |  |
| --- | --- |
| ii - | Associate Prof. Hossam Doghiem |

|  |  |
| --- | --- |
| iii - | Dr. Mohammed Mohammed Hedaya |

|  |  |
| --- | --- |
| Course coordinator: | Prof. Taher G. Abu-El-Yazied |

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

## Statistical Information

|  |  |
| --- | --- |
| No. of students attending the course: | **390** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Excellent | Very Good | Good | Pass | Weak | Very Weak | SUM | Control | pass |
| Students No. | **22** | **31** | **39** | **184** | **89** | **25** | **390** | 41 | 276 |
| Percentage (%) | **5.6** | **7.9** | **10.0** | **47.2** | **22.8** | **6.4** |  | 10.5 | 70.77 |

## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| Course Content | No. of Hours | Lecturer |
| Introduction & Types of Mechanisms | 6+6 | Dr. Mohammed Mohammed Hedaya |
| Velocity of Mechanisms | 6+6 | Dr. Mohammed Mohammed Hedaya |
| Acceleration of Mechanisms | 6+6 | Dr. Mohammed Mohammed Hedaya |
| Equilibrium of Mechanisms & Flywheel | 6+8 | Dr. Mohammed Mohammed Hedaya |
| Special Mechanisms (Cams & Gears) | 12+12 | Associate Prof. Hossam Doghiem |
| Balancing | 8+6 | Prof. Taher G. Abu-El-Yazied |

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

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

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

All topics were taught ……………………………………….

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………………………………………………………………………………………………

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

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

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**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 | 70 % |
| Oral examination | 0 % |
| Practical/laboratory work | 0 % |
| Other assignments/class work | 30 % |

**Members of examination committee**

Prof. Taher G. Abu-El-Yazied , Associate Prof. Hossam Doghiem & Dr. Mohammed M. Hedaya

**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:**

List any difficulties encountered

No difficulties

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

**Response of Course Team**

List any criticisms

It is necessary to include several experiments to investigate the goals of this course. There is a lab is being prepared for this issue.

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

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