|  |  |
| --- | --- |
| *Course report of* | |
| |  | | --- | | Theory of Machines (1) – MDP 251 – 2018– 2019 | | |
| 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: |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Excellent | Very Good | Good | Pass | Weak | Very Weak | SUM |
| Students No. |  |  |  |  |  |  |  |
| Percentage (%) |  |  |  |  |  |  |  |

## Professional Information

1. **Course Teaching:**

|  |  |  |  |
| --- | --- | --- | --- |
| Course Content | Lectures Hours | Tutorial  Hours | Lecturer |
| Introduction & Types of Mechanisms | 12 | 16 | Dr. Mohammed Mohammed Hedaya |
| Velocity of Mechanisms | 4 | 4 | Dr. Mohammed Mohammed Hedaya |
| Acceleration of Mechanisms | 4 | 4 | Dr. Mohammed Mohammed Hedaya |
| Equilibrium of Mechanisms | 4 | 8 | Dr. Mohammed Mohammed Hedaya |
| Flywheel | 4 | 2 | Associate Prof. Hossam Doghiem |
| Special Mechanisms (Cams & Gears) | 10 | 10 | 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 ……………………………………….

………………………………………………………………………………………………

………………………………………………………………………………………………

………………………………………………………………………………………………

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Assessment method** | **Description** | **Marks** | **Weight** (%) |
| Participation | Class Activities | 10 | 5 |
| Assignments | Solving some problems | 10 | 5 |
| Quizzes | short exam | 10 | 5 |
| Midterm of 1st Semester | Midterms | 15 | 15 |
| Midterm of 2nd Semester | 15 |
| Final Exam | | 140 | 70 |
| Total | | 200 | 100 |

**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:**

All evaluations are more than 50%.

Comments on year work marks and teaching assistant.

**Response of Course Team**

The marks are uploaded on LMS but late and this will be considered all students comments on their marks are considered and they receive emails.

The teaching assistants are training and we will try to increase their effectiveness

………………………………………………………………………………………………

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

.……… ………………. …………………………….

……….……………..……. …………………………….