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| *Course report of* | |
| |  | | --- | | Theory of metal Forming – MDP 381 – 2019/2020 | | |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

|  |
| --- |
| Theory of Metal Forming-MDP 381 |

1. Program on which the course is given :

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| --- | --- |
| |  | | --- | |  |   B.Sc. in Mech. Eng.- Design and Production Engineering Dept. |

1. Year/Level of program :

|  |
| --- |
| 3th  Level ( First term) |

1. Units/ Hours

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

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

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

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

|  |  |
| --- | --- |
|  | i- Prof. Moustafa Chaaban |

|  |  |
| --- | --- |
|  | ii-Dr. Aly El-Desoki |

|  |  |
| --- | --- |
|  | iii-Prof. Hala Abd El-Hakim Hassan |

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| Course coordinator: | Prof. Moustafa Chaaban |

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

## Statistical Information

|  |  |
| --- | --- |
| No. of students attending the course: | 54 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Results | | Grading of successful students | | | |  |  |  |
| Passed | Failed | Excellent | Very good | Good | Pass | Weak | Very weak | SUM |
| Students No. |  |  |  |  |  |  |  |  | 54 |
| Percentage (%) |  |  |  |  |  |  |  |  |  |

## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| Course Content | No. of Hours | Lecturer |
| Introduction, Mechanical and Metallurgy | **12** | Prof. Moustafa Chaaban |
| Tensor and yield criteria | **8** | Prof. Moustafa Chaaban |
| Spring back and classification of metal | **4** | Prof. Moustafa Chaaban |
| Forging analysis | **8** | Dr. Aly El-Desoki |
| Rolling analysis | **8** | Dr. Aly El-Desoki |
| Extrusion analysis | **4** | Dr. Aly El-Desoki |
| Tube Drawing analysis | **8** | Prof. Hala Abd El-Hakim |
| Wire Drawing analysis | **4** | Prof. Hala Abd El-Hakim |
| Deep Drawing analysis | **4** | Prof. Hala Abd El-Hakim |

**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:  **X**

Seminar/Workshop:

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

**Case Study:**

Other assignments/homework:

1. **Student assessment:**

|  |  |
| --- | --- |
| **Method of assessment** | **Percentage of total** |
| Written examination | 60 % |
| Oral examination | 0 % |
| Other assignments/class work activities | 40 % |

**Members of examination committee**

1. Prof. Dr. Moustafa Chaaban
2. Dr. Aly M. El-Desoki
3. Prof. Hala Abd El-Hakim Hassan

**Role of external evaluator**

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

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1. **Facilities and teaching materials:**

Totally adequate

Adequate to some extent **X**

Inadequate

List any inadequacies

1. **Administrative constraints:**

List any difficulties encountered

The lab facilities must be updated. A development plan with new equipments has been submitted twice to faculty administration but, no change happened. Since the examination office did not assign classroom for tutorial. The instructors use the Mech. Workshop classroom. This classroom needs renovation to be suitable for 54 students.

1. **Student evaluation of the course:** Not available

**Response of Course Team:**

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

………**N/A** ………………. …………………………….

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