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| *Course report of* |
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| Theory of metal Forming – MDP 381 – 2018/2019 |

 |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

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|  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 |

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| --- | --- |
|  | 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: | 36 |

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

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

**Overall course evaluation: 65%.**

**Items below 50%: one**

**Response of Course Team:**

* The number of students participated in this evaluation was only two. There are no comments in the evaluation. The item below 50% was as shown below:

"I was able to learn by trying out my own ideas. 25%". Although the course is considered theoretical analysis of forming processes, a visit to "El Nasr Co. for forged parts" was arranged during the final exams, before this evaluation. This helped the students to get a practical solution for what they studied through the semester.

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

………**N/A** ………………. …………………………….

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