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| *Course report of*  ***Numerical Control Machines***  ***MDP 471 – Academic Year 2018/2019*** | |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

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| Numerical Control Machines – **MDP471** |

1. Program on which the course is given :

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| --- | --- |
| |  | | --- | | Mechatronics | |

1. Year/Level of programs :

|  |
| --- |
| 4th year |

1. Units/Credit Hours

|  |  |
| --- | --- |
| ( i ) Lecture : | 3 |

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

|  |  |
| --- | --- |
| ( iii ) Total : | 5 |

1. Names of lecturers contributing to delivery of the course : **2018/2019**

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| --- | --- |
|  | Prof.Dr.M.M.F.Koura  Dr. Eng. Amr Ahmed Sayed Shaaban  Dr. Ismail Hafez |

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| Course coordinator: | Prof.Dr.M.M.F.Koura  Dr. Eng. Amr Ahmed Sayed Shaaban |

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| --- | --- |
| External evaluator: | N/A |

## Statistical Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | No. of students: 90 | |
|  | | **Number** | | **Percentage (%)** | |
| **Students completing the course** | | **81** | |  | |
| **Results** | Absent | 9 | |  | |
| Failed |  | |  | |
| **Grading of** | Excellent |  | |  | |
| V.good |  | |  | |
| Good |  | |  | |
| Pass |  | |  | |

## Professional Information

1. **Course Teaching:**

|  |  |
| --- | --- |
| **Course Content** | **Lecturer** |
| CNC Machines Main Components | Dr. Amr Shaaban |
| Fundamentals of Programming | Prof.Dr.M.M.F.Koura |
| Part program, G and M Codes | Dr. Amr Shaaban |
| Programming For Milling Machines | Prof.Dr.M.M.F.Koura |
| Programming For Turning Machines | Dr. Amr Shaaban |
| Advanced Part programming, Cycles, Macros | Prof.Dr.M.M.F.Koura |
| Mechanical systems in CNC machine | Dr. Amr Shaaban |
| CNC Machine Control Systems | Prof.Dr.M.M.F.Koura |

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

**>90 % ● 70-90 % <70%**

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

All contents of the course were taught.

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

1. **Teaching and learning methods:**

Lectures: **●**

Practical training/ laboratory:

Seminar/Workshop:

Class Activity: **(Tutorials)**  **●**

Case Study:

Other assignments/homework:

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

A couple of reports were submitted upon the instructor's request to enhance the students' ability of self-learning, searching for information and off-class readings

1. **Student assessment:**

|  |  |
| --- | --- |
| **Method of assessment** | **Percentage of total** |
| Assignment | 4 % |
| Quiz | 8% |
| Mid term | 16 % |
| Final Exam | 72 % |

**Members of examination committee**

Prof.Dr.M.M.F.Koura

Dr. Amr Shaaban

**Role of external evaluator**

N/A

1. **Facilities and teaching materials:**

**●**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies:

1. **Administrative constraints:**

List any difficulties encountered

* **NA**

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

* **NA**

**7- Comments from external evaluator(s)**

|  |  |
| --- | --- |
| **Comment** | **Response of course Team** |
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**8- Course enhancement: Progress on actions identified in the previous year’s action plan:**

* **NA**

**9- Action plan**

|  |  |  |
| --- | --- | --- |
| **Action required** | **Completion date** | **Person responsible** |
| **NA** |  |  |