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| *Course report of* |
| **Numerical Control Machines – MDP 471 - 2019** |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

|  |
| --- |
| **Numerical Control Machines – MDP 471** |

1. Program on which the course is given :

|  |  |
| --- | --- |
|

|  |
| --- |
| Production Engineering |

 |

1. Year/Level of programs :

|  |
| --- |
| 5th Level  |

1. Units/Credit Hours

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

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

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

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

|  |  |
| --- | --- |
| i - | Dr. Mohamed Ahmed Awad |

|  |  |
| --- | --- |
| ii - | Dr. Mohamed Lotfy Zamzam |

|  |  |
| --- | --- |
| iii - |  |

|  |  |
| --- | --- |
| Course coordinator: | Dr. Mohamed Ahmed Awad  |

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

Statistical Information

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

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

## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| Course Content | No. of Hours | Lecturer |
| CNC Machines Main components | 3 | Dr. Mohamed Lotfy Zamzam |
| CNC Machines Control Systems | 6 | Dr. Mohamed Lotfy Zamzam |
| Fundamentals of programming | 3 | Dr. Mohamed Ahmed Awad |
| Part program, G and M codes | 3 | Dr. Mohamed Ahmed Awad |
| Manual programming for milling products | 6 | Dr. Mohamed Ahmed Awad |
| Manual programming for turning products | 6 | Dr. Mohamed Lotfy Zamzam |
| Advanced Lathe part programming  | 6 | Dr. Mohamed Lotfy Zamzam |
| Advanced Milling part programming  | 6 | Dr. Mohamed Ahmed Awad |
| Modern control of CNC machine tools, adaptive control PLC | 6 | Dr. Mohamed Lotfy Zamzam |

 **45 Hrs**

**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………………………………………………………………………………………….

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………………………………………………………………………………………………

**Teaching and learning methods:**

 Lectures: **X**

Practical training/ laboratory:  **X**

Seminar/Workshop: **X**

Class Activity: **(Tutorials)**  --

**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** |
| Final Written examination | 70 % |
| Oral examination | 0 % |
| Practical/laboratory work | 5 % |
| Other assignments/class work/Mid Term | 25 % |

**Members of examination committee**

i- Dr. Mohamed Ahmed Awad

ii- Dr. Mohamed Lotfy Zamzam

**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:**

**N/A for production Section**

**Response of Course Team**

List any criticisms

…No criticism.…….………..……………………………….

………………………………………………………………………………………………

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

………**N/A** ………………. …………………………….

……….……………..……. …………………………….