|  |  |
| --- | --- |
| *Course report of* | |
| **Basic Mathematics – PHM\_011 –** **Fall 2019** | |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

|  |
| --- |
| **Basic Mathematics – PHM\_011** |

1. Program on which the course is given :

|  |  |
| --- | --- |
| |  | | --- | | All Programs | |

1. Year/Level of programs :

|  |
| --- |
| 1st Level Fall Semester |

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 - | Dr. Makram Roshdy Eskaros |

|  |  |
| --- | --- |
| Course coordinator: | Dr. Makram Roshdy Eskaros |

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

## Statistical Information

|  |  |
| --- | --- |
| No. of students attending the course: | 187 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | A- | A**+** | B | B- | B**+** | C | C- | C**+** | D | D**+** | F | SUM |
| Students No. | 2 | 4 | 3 | 5 | 9 | 1 | 6 | 8 | 9 | 18 | 12 | 110 | 187 |
| Percentage (%) | 1 | 2.1 | 1.6 | 2.6 | 4.7 | 0.5 | 3.1 | 4.2 | 4.7 | 9.6 | 6.2 | 58.8 |  |

## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| Course Content | No. of Hours | Lecturer |
| Derivatives of trigonometric functions for explicit and implicit functions. | **2+2** | Dr. Makram Roshdy |
| Equations of tangent and normal lines, related time rates. | **2+2** | Dr. Makram Roshdy |
| The exponential and logarithmic functions. | **2+2** | Dr. Makram Roshdy |
| Derivatives of exponential and logarithmic functions. | **2+2** | Dr. Makram Roshdy |
| Integrals of exponential and logarithmic functions. | **2+2** | Dr. Makram Roshdy |
| Local and absolute maximum and minimum values. | **2+2** | Dr. Makram Roshdy |
| Curve sketching. | **2+2** | Dr. Makram Roshdy |
| Applications of maximum and minimum. | **2+2** | Dr. Makram Roshdy |
| Indefinite integrals. | **2+2** | Dr. Makram Roshdy |
| Definite integrals. | **2+2** | Dr. Makram Roshdy |
| Calculation of areas between curves. | **2+2** | Dr. Makram Roshdy |
| Calculation of volumes of revolution. | **2+2** | Dr. Makram Roshdy |
| Vectors in space. | **2+2** | Dr. Makram Roshdy |
| Equations of planes. | **2+2** | Dr. Makram Roshdy |
| Equations of straight lines in space. | **2+2** | Dr. Makram Roshdy |

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

**>90 % √ 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: **√**

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:

1. **Student assessment:**

|  |  |
| --- | --- |
| **Method of assessment** | **Percentage of total** |
| Written examination | 80 % |
| Oral examination | 0 % |
| Practical/laboratory work | 0 % |
| Other assignments/class work | 20 % |

**Members of examination committee**

Dr. Makram Roshdy.

**Role of external evaluator**

N/A

**Facilities and teaching materials:**

Totally adequate

Adequate to some extent **√**

Inadequate

List any inadequacies

1. **Administrative constraints:**

List any difficulties encountered

No difficulties

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

**Response of Course Team**

Students Evaluation and Course team comments

**Comments from external evaluator(s):**

**Response of course team**

N/A