|  |
| --- |
| *Course report of* |
| **Introduction to Electronics – ECE 215 – Spring 2021** |
| University: Ain Shams | Faculty: Engineering |

## Basic Information

1. Title and code :

|  |
| --- |
|  **Introduction to Electronics – ECE 215** |

1. Program on which the course is given :

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

|  |
| --- |
| Mechanical Engineering |

 |

1. Year/Level of programs :

|  |
| --- |
| 2nd Year / 1st Level |

1. Units/Credit Hours

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

|  |  |
| --- | --- |
| ( ii ) Tutorial/Practical : | 1 |

|  |  |
| --- | --- |
| ( iii ) Total : | 3 |

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

|  |  |
| --- | --- |
| i - | Dr. Hesham Omran |

|  |  |
| --- | --- |
| ii - |  |

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

|  |  |
| --- | --- |
| Course coordinator: | Dr. Hesham Omran  |

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

## Statistical Information

Number of students attending the course: 303

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Number |  |
| Students completing the course | 352 |  |





## Professional Information

1. **Course Teaching:**

|  |  |  |
| --- | --- | --- |
| **Course Content** | **Lecture****Hours** | **Lecturer** |
| Introduction to electronics | **2** | **Dr. Hesham Omran** |
| Diode operation and models | **2** |
| Diode applications (1) | **2** |
| Diode applications (2) | **2** |
| Transistor operation and models | **2** |
| Transistor applications (1) | **2** |
| Transistor applications (2) | **2** |
| Op-amp operation and models | **2** |
| Op-amp applications | **2** |
| Filters | **2** |
| Oscillators | **2** |
| Multivibrators | **2** |
| Analog and digital signals | **-** |
| D/A converters | **-** |
| A/D converters | **-** |

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

**>90 % 70-90 % <70%**

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

Due to the short semester and the covid-19 pandemic consequences.

………………………………………………………………………………………………

………………………………………………………………………………………………

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

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

………………………………………………………………………………………………

1. **Teaching and learning methods:**

 Lectures: **X**

Practical training/ laboratory: **X**

Seminar/Workshop:

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

**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 (Final) | 60 % |
| Written examination (Midterm) | 20% |
| Oral examination | 0 % |
| Practical/laboratory work | 10 % |
| Other assignments/class work/quizzes | 10 % |
| Final Design Project | 0 % |

**Members of examination committee**

i - Dr. Hesham Omran

**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

 No difficulties

1. **Student evaluation of the course:**
* All indicators are above 50%.

 **Response of Course Team**

 No specific action is required since all indicators are satisfactory.

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

………**N/A** ………………. …………………………….

……….……………..……. …………………………….

1. **Online activities:**

**MS Teams Link:**

[https://teams.microsoft.com/l/team/19%3a000433c2f12c4678bc53817ffa8863e3%40thread.tacv2/conversations?groupId=ba13340a-149a-4f64-88a6-12dfee8a2b4c&tenantId=ad2a8324-bef7-46a8-adb4-fe51b6613b24](https://teams.microsoft.com/l/team/19%3A000433c2f12c4678bc53817ffa8863e3%40thread.tacv2/conversations?groupId=ba13340a-149a-4f64-88a6-12dfee8a2b4c&tenantId=ad2a8324-bef7-46a8-adb4-fe51b6613b24)