**Course Report of**

**Physics (1) - PHM 021 2016 -2017**

**University: Ain Shams Faculty: Engineering**

**A- Basic Information**

**1. Title and code:**

Physics (1) - PHM 021

**2. Program (s) on which this course is given:**

**3. Year/ Level of program:**

All programs ASU - FoE offers

Preparatory Year: 2ndsemesters

**4. Units/Credit hours:**

(i) Lectures

4

(ii) Tutorial/Practical

2

(iii) Total

6

**5. Names of lecturers contributing to the delivery of the course:**

* 1. Prof. Khaled Abdelwahab Kirah
  2. Dr. Samy Abd Elrahmaan
  3. Dr. Ahmed Shaker
  4. Dr. Mahmoud Ibrahim Ossaimie
  5. Dr. Salwa El Taweel
  6. Dr. Mohamed El Banna
  7. Dr. Dalia Selim
  8. Dr. Ismail Nassar

**Course coordinator Prof. Khaled Abdelwahab Kirah**

**External evaluator ………N/A……………**………

**B- Statistical Information**

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| --- | --- | --- | --- |
|  | | **Number** | **Percentage %** |
| **Students completing the course** | | 1835 | 100.00 |
| **Results** | Passed | 1603 | 87.36 |
| Failed | 232 | 12.64 |
| **Grading of Successful Students** | Excellent | 108 | 5.90 |
| Very Good | 183 | 10.00 |
| Good | 397 | 21.60 |
| Pass | 915 | 49.90 |

**C- Professional Information**

**1 – Course teaching**

|  |  |  |
| --- | --- | --- |
| **Topics actually taught** | **No. of hours** | **Lecturers** |
| Magnetic Field | **2** | Prof. Khaled Kirah, Dr. Mahmoud Ibrahim, Dr. Salwa El Taweel, Dr. Dalia Selim |
| Magnetic Force | **4** | Prof. Khaled Kirah, Dr. Mahmoud Ibrahim, Dr. Salwa El Taweel, Dr. Dalia Selim |
| Sources of the Magnetic Field | **4** | Prof. Khaled Kirah, Dr. Mahmoud Ibrahim, Dr. Salwa El Taweel, Dr. Dalia Selim |
| Electromagnetic Induction and Inductance | **6** | Prof. Khaled Kirah, Dr. Mahmoud Ibrahim, Dr. Salwa El Taweel, Dr. Dalia Selim |
| Classification of Various Magnetic material | **6** | Prof. Khaled Kirah, Dr. Mahmoud Ibrahim, Dr. Salwa El Taweel, Dr. Dalia Selim |
| Alternating Current | **6** | Prof. Khaled Kirah, Dr. Mahmoud Ibrahim, Dr. Salwa El Taweel, Dr. Dalia Selim |
| Heat Transfer | **2** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| Kinetic Theory of Gases and the Law of Equipartion of Energy | **4** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| First Law of Thermodynamics and Applications. | **6** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| Refraction of Light Through Prisms and Prism Combinations | **4** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| Instruments | **2** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| Reflection and Refraction of Light at Spherical Boundaries | **4** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| Thin and Thick Lenses | **3** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Dr. Ismail Nassar |
| Lens Aberrations | **3** | Dr. Samy Abd Elrahmaan, Dr. Ahmed Shaker, Dr. Mohamed El Banna, Dr. Ismail Nassar |
| **Total (2nd semester)** | **56** |  |

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

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

Reasons in detail for not teaching any topic

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

**…N/A**……………………..

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**2- Teaching and learning methods:**

Lectures: **X**

Practical training/ laboratory: **X**

Seminar/Workshop:

Class Activity: (Tutorials) **X**

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## Case Study:

Other assignments/homework:

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

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**3- Student Assessment:**

Method of assessment Percentage of total

Written final examinations **60**%

Written Midterm examinations **20**%

Practical/laboratory work **20**%

Total 100 %

Members of examination committee

1. Prof. Khaled Abdel Wahab Kirah
2. Dr. Samy Abd Elrahmaan
3. Dr. Salwa Eltawel
4. Dr. Ahmed Shaker
5. Dr. Mahmoud Ibrahim Ossaimie
6. Dr. Dalia Selim
7. Dr. Mohamed El Banna

viii. Dr. Ismail Nassar

Role of external evaluator

…… **N/A** ………………………………

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**4- Facilities and teaching materials:**

Totally adequate: **X**

Adequate to some extent

Inadequate

List any inadequacies

**5- Administrative constraints**

List any difficulties encountered

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**6- Student evaluation of the course: Response of Course Team**

List any criticisms

…**N/A**…….………..……………………………….

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**7- Comments from external evaluator(s): Response of course team**

……… **N/A** ………………. …………………………….

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**8- Course enhancement:**

**Progress on actions identified in the previous year’s action plan:**

**Action State whether or not completed and give reasons for any non-completion**

**N/A** ………………………. …………………………….

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**9- Action plan for academic year 2017 – 2018**

**Actions required Completion date Person responsible**

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**Course coordinator: Prof. Khaled Abdelwahab Kirah**

**Signature:**

**Date: July 10, 2017**