

## Faculty of Oral & Dental Medicine

### Physics

#### Information :

**Course Code :** SGS 112

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Instructor Information :

| Title               | Name  | Office hours |
|---------------------|---|--------------|
| Associate Professor | Ahmed Shawky Mohammed Ghareeb                 |              |
| Teaching Assistant  | Asmaa Abdelmotlb Youssef Aly                  |              |
| Teaching Assistant  | Farah Hossam Eldin Mahmoud Abdelhamed Ibrahim |              |

#### Area Of Study :

- To understand and apply different laws of electricity and heat
- To be aware of the methods of Conduction through walls and solids of irregular shapes

#### Description :

Electricity: electric potential and equipotential surfaces, kirchhoff's laws and their applications, savart's law modern physics, radioactivity and nuclear accelerators and reactors.

#### Course Topic And Contents :

| Topic             | No. of hours | Lecture           | Tutorial / Practical |
|-------------------|--------------|-------------------|----------------------|
| Viscosity         | 4            | Viscosity         | Viscosity            |
| Heat              | 4            | Heat              | Heat                 |
| Moment of Inertia | 4            | Moment of Inertia | Moment of Inertia    |
| Moment of Inertia | 4            | Moment of Inertia | Moment of Inertia    |
| Elasticity        | 4            | Elasticity        | Elasticity           |
| Elasticity        | 4            | Elasticity        | Elasticity           |
| Viscosity         | 4            | Viscosity         | Viscosity            |
| Viscosity         | 4            | Viscosity         | Viscosity            |
| Viscosity         | 4            | Viscosity         | Viscosity            |
| Optics            | 4            | Optics            | Optics               |
| Optics            | 4            | Optics            | Optics               |
| revision          | 4            | revision          | revision             |

**Course Assessment :**

| Methods of assessment     | Relative weight % | Week No | Assess What |
|---------------------------|-------------------|---------|-------------|
| 1st midterm               | 20.00             | 6       |             |
| 2nd midterm               | 20.00             | 10      |             |
| Class work                | 20.00             |         |             |
| Final Written Examination | 30.00             |         |             |
| Practical examination     | 10.00             |         |             |