

## Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|-------------|----------|--------|----------|-----|--------|------|
| GEM103      | Physics     | 1        | 3      | 0        | 0   | 3      | 3    |

|                        |  |
|------------------------|--|
| Prerequisites          |  |
| Admission Requirements |  |

|                         |  |
|-------------------------|--|
| Language of Instruction | Turkish  |
| Course Type             | Compulsory   |
| Course Level            | Associate Degree   |
| Objective               | To teach the students the basics of physics  |
| Content                 | Mass, weight and strength, volume,velocity, linear and rotational dynamics, static, work, energy and power and mechanic,density, archimedes law, solid and liquid and gases, physical states, steam and vapors,waves,sound,light and electromagnetic expansion |
| References              | Basic Physics  |

## Theory Topics

| Week | Weekly Contents                             |
|------|---|
| 1    | Mass, weight and strength, volume,          |
| 2    | Velocity                                    |
| 3    | Linear and Rotational Dynamics              |
| 4    | static, work, energy and power and mechanic |
| 5    | Density                                     |
| 6    | Archimedes Law                              |
| 7    | Solid and Liquid and Gases                  |
| 8    | Mid term                                    |
| 9    | Physical states                             |
| 10   | Steam and vapors                            |
| 11   | Waves                                       |
| 12   | Sound                                       |
| 13   | Light                                       |
| 14   | Electromagnetic expansion                   |