## Course Syllabus

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|---|---|
| **Code - Course Title** | **KİM110 - General Chemistry** |
| **Course Type** | II. SEMESTER |
| **Laboratory + Practice** | 2+1 |
| **ECTS** | **4.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | PROF. DR. SELVİN YEŞİLAY |

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| **Mode of Delivery** | The mode of delivery of this course is Face to face |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Courses Recomended** | There is no recommended optional programme component for this course. |
| **Work Placement** | N/A |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Properties of matter | |
| **Week - 2** | | Chemical measurement units, compounds and mixtures | |
| **Week - 3** | | Atomic structure, electron distributions | |
| **Week - 4** | | Periodic table, elements and symbols | |
| **Week - 5** | | Mole Concept: Simple and molecular formulas, problem solutions | |
| **Week - 6** | | Mole Concept: Simple and molecular formulas, problem solutions | |
| **Week - 7** | | Chemical reactions, | |
| **Week - 8** | | Chemical bonding, crystalline and amorphous structures | |
| **Week - 9** | | Classification of compounds: Oxides, Acids, Bases, Salts | |
| **Week - 10** | | Glass Raw Materials Identification | |
| **Week - 11** | | Definition of glass forming oxides | |
| **Week - 12** | | Definition of glass forming oxides | |
| **Week - 13** | | Problems and solutions | |
| **Week - 14** | | Problems and solutions | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | Knows the features of the periodic table and elements. |
| 2 | Recognizes atom, atomic structure, chemical bonding, chemical compounds and chemical reactions. |
| 3 | Learns the basic properties of glass and glass raw materials. |
| 4 | Lerans the definition, properties and classification of the material. |
| 5 | They will be able to explain topics related to chemical reactions. |

## Sustainable Development Goals

*No content has been provided.*

## Course Theme

*No content has been provided.*

## AKTS Workload

| Activity | Duration (Hour) | Count | Workload |
|---|---|---|---|
| Teorik Derse Katılım | 0 | 0 | 0 |
| Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı) | 0 | 0 | 0 |
| Ödevler | 0 | 0 | 0 |
| Proje - Rapor - Sunum Hazırlama | 0 | 0 | 0 |
| Ara Sınav Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Final Sınavı Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.) | 0 | 0 | 0 |
| Staj Uygulaması | 0 | 0 | 0 |
| | | **Calculated ECTS** | **0** |

## Assessment Method and Passing Requirements

*No content has been provided.*