## Course Syllabus

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| **Code - Course Title** | **KİM628 - Capillary Electrophoresis** |
| **Course Type** | I. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **7.5** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Elective Courses |
| **Course Instructor(s)** | PROF. DR. DİLEK AK |

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| **Mode of Delivery** | Face to face |
| **Prerequisites** | There is no prerequisites and co-requisites. |
| **Work Placement** | N/A |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | General information on capilalry electrophoresis | |
| **Week - 2** | | Modes of capillary electrophoresis | |
| **Week - 3** | | Capillary zone electrophoresis | |
| **Week - 4** | | Capillary zone electrophoresis | |
| **Week - 5** | | Capillary zone electrophoresis | |
| **Week - 6** | | Micellar electrokinetic capillary chromatography | |
| **Week - 7** | | Micellar electrokinetic capillary chromatography | |
| **Week - 8** | | Micellar electrokinetic capillary chromatography | |
| **Week - 9** | | Electrolyte systems | |
| **Week - 10** | | Sample injection methods | |
| **Week - 11** | | Detection Techniques | |
| **Week - 12** | | Detection techniques | |
| **Week - 13** | | Column technology | |
| **Week - 14** | | Applications | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | Explain capillary electrophoresis method. |
| 2 | Explain principles of the separation. |
| 3 | Explain the modes of capillary electrophoresis. |
| 4 | Define capillary electrophoresis system. |

## 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.*