## Course Syllabus

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|---|---|
| **Code - Course Title** | **FKM530 - Spectroscopic Analyses** |
| **Course Type** | II. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **6.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | DOÇ. DR. DERYA OSMANİYE |

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| **Mode of Delivery** | This course is carried out as a laboratory practice. |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Courses Recomended** | There is no recommended optional programme component. |
| **Recommended Resources** | There is no recommended or required reading. |
| **Work Placement** | Not Applicable. |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Structure Determination Examples of Ultraviyolet (UV)-Visible Spectroscopy | |
| **Week - 2** | | Structure Determination Examples of UV-Visible Spectroscopy | |
| **Week - 3** | | Structure Determination Examples of Infrared (IR) Spectroscopy | |
| **Week - 4** | | Structure Determination Examples of IR Spectroscopy | |
| **Week - 5** | | Structure Determination Examples of IR Spectroscopy | |
| **Week - 6** | | Structure Determination Examples of Nuclear Magnetic Resonance (NMR) Spectroscopy | |
| **Week - 7** | | Structure Determination Examples of NMR Spectroscopy | |
| **Week - 8** | | Structure Determination Examples of NMR Spectroscopy | |
| **Week - 9** | | Structure Determination Examples of NMR Spectroscopy | |
| **Week - 10** | | Structure Determination Examples of NMR Spectroscopy | |
| **Week - 11** | | Structure Determination Examples of Mass Spectroscopy | |
| **Week - 12** | | Structure Determination Examples of Mass Spectroscopy | |
| **Week - 13** | | Structure Determination Examples of Mass Spectroscopy | |
| **Week - 14** | | Structure Determination Examples of Mass Spectroscopy | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | Will be able to analyze drugs by UV spectrophotometer. |
| 2 | Will be able to analyze drugs by IR spectrophotometer. |
| 3 | Will be able to analyze drugs by NMR spectrometry. |
| 4 | Will be able to analyze drugs by mass spectrometry. |

## 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.*