## Course Syllabus

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|---|---|
| **Code - Course Title** | **BFK502 - Pharmacokinetics** |
| **Course Type** | II. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **6.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | PROF. DR. MUSTAFA SİNAN KAYNAK |

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| **Mode of Delivery** | The mode of delivery of this course is face to face. |
| **Prerequisites** | There is no pre-requisite or co-requisite for this course. |
| **Courses Recomended** | There is no recommended optional programme component for this course. |
| **Recommended Resources** | 1. Pharmacokinetics 2nd Edition, Milo Gibaldi, Donald Perrier. ISBN: 9780824710422 CRC Press 19822. Basic Pharmacokinetics, Sunil S Jambhekar, Philip J Been. Pharmaceutical Press 2009, ISBN 978 0 85369 772 5 |
| **Work Placement** | Not Applicable |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Introduction to pharmacokinetics and basic definitions | |
| **Week - 2** | | Linear pharmacokinetics | |
| **Week - 3** | | One-compartment model | |
| **Week - 4** | | Multicompartment Models | |
| **Week - 5** | | Pharmacokinetics in multiple dosing | |
| **Week - 6** | | Clearance in pharmaceutics | |
| **Week - 7** | | Extravascular routes of drug administration | |
| **Week - 8** | | Bioavailability - Bioequivalence - I | |
| **Week - 9** | | Bioavailability - Bioequivalence - II | |
| **Week - 10** | | Pharmacokinetic and Pharmacodynamic | |
| **Week - 11** | | Biopharmaceutical classification system | |
| **Week - 12** | | Nonlinear pharmacokinetics | |
| **Week - 13** | | Pharmacokinetic and pharmacodynamic drug interactions | |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| Week - 14 | | Discussion, questions and answers | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | have knowledge about drug bioavailability and pharmacokintic. |
| 2 | Defines bioavailability and bioequivalence |

## 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.*