

Vocational School / Dental Assisting
2023 - 2024 Academic Year
BASIC PHARMACOLOGY
Syllabus

| Course Description | | | | | |
|--|---|--------------------------------|-------------------------|---------------------------|-------------|
| Name | Code | Semester | T+A Hour | Credit | ECTS |
| BASIC PHARMACOLOGY | ADS1225700 | Spring Semester | 2+0 | 2 | 4 |
| Prerequisites Courses | | | | | |
| Recommended Elective Courses | None | | | | |
| Language of Instruction | Turkish | | | | |
| Course Level | Short Cycle (Associate's Degree) | | | | |
| Course Type | Required | | | | |
| Course Coordinator | Assist.Prof. Çağlar MACİT | | | | |
| Name of Lecturer(s) | Lect. Bade Cevriye BAHTİYAR | | | | |
| Assistant(s) | None | | | | |
| Aim | To provide knowledge about the subjects of the basic pharmacology and drug toxicities. | | | | |
| Course Content | This course contains; Introduction to pharmacology,Dosage forms of the drugs,Routes of drug administration,Drug absorption,Drug distribution,Drug Metabolism,Drug excretion,Dose-concentration-effect relationship,Mechanisms of drug actions and rational drug use principles,Factors Modifying the Effects of Drugs in Individuals,Pharmacogenetics & Pharmacovigilance,Pharmacodynamic and pharmacokinetic drug interactions,Drug toxicity,Hypersensitivity reactions. | | | | |
| Course Learning Outcomes | | | Teaching Methods | Assessment Methods | |
| 1. Summarizes the basic subjects of the pharmacology. | | | 16, 9 | A, C | |
| 1.1. defines the drug pharmacokinetics and pharmacodynamics. | | | 16, 9 | A, C | |
| 1.2. explains the functions of drug pharmacokinetics and pharmacodynamics. | | | 16, 9 | A, C | |
| 1.3. summarizes the drugs pharmacokinetics and pharmacodynamics. | | | 16, 9 | A, C | |
| 2. Summarizes the drug toxicity and addiction. | | | 16, 9 | A, C | |
| 2.1. defines the drug toxicity and abuse. | | | 16, 9 | A, C | |
| 2.2. explains the drug toxicity and their mechanism. | | | 16, 9 | A, C | |
| 2.3. names the drug toxicity, and drug abuse. | | | 16, 9 | A, C | |
| 3. Summarizes the drug allergy subjects of the pharmacology. | | | 16, 9 | A, C | |
| 3.1. defines the drug allergy. | | | 16, 9 | A, C | |
| 3.2. explain the drug allergy. | | | 16, 9 | A, C | |
| 3.3. names the drug allergy. | | | 16, 9 | A, C | |
| Teaching Methods | 16: Question - Answer Technique, 9: Lecture Method | | | | |
| Assessment Methods | A: Traditional Written Exam, C: Multiple-Choice Exam | | | | |
| Lecture Schedule | | | | | |
| Sequence | Topics | Preliminary Preparation | | | |
| 1 | Introduction to pharmacology | | | | |
| 2 | Dosage forms of the drugs | | | | |
| 3 | Routes of drug administration | | | | |
| 4 | Drug absorption | | | | |
| 5 | Drug distribution | | | | |
| 6 | Drug Metabolism | | | | |
| 7 | Drug excretion | | | | |
| 8 | Dose-concentration-effect relationship | | | | |
| 9 | Mechanisms of drug actions and rational drug use principles | | | | |
| 10 | Factors Modifying the Effects of Drugs in Individuals | | | | |
| 11 | Pharmacogenetics & Pharmacovigilance | | | | |
| 12 | Pharmacodynamic and pharmacokinetic drug interactions | | | | |
| 13 | Drug toxicity | | | | |
| 14 | Hypersensitivity reactions | | | | |
| Evaluation Methods | | Weight(%) | | | |
| Midterm Exam | | 40 | | | |
| General Exam | | 60 | | | |

| Resources |
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| Pharmacology notes will be given to the students. Kayaalp, SO: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Ankara. |