## Course Syllabus

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| **Code - Course Title** | **ECZ923 - Metabolic and Endocrine System Diseases and Drugs** |
| **Course Type** | X. SEMESTER |
| **Laboratory + Practice** | 1+0 |
| **ECTS** | **1.5** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Specialization Courses |
| **Course Instructor(s)** | , HASAN HAKAN ÇOBAN |

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| **Mode of Delivery** | Face to face learning. |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Work Placement** | None. |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Diabetes Mellitus and Antidiabetic Drugs | |
| **Week - 2** | | Hypoglycemia and its Treatment | |
| **Week - 3** | | Acute and Chronic Complications of Diabetes | |
| **Week - 4** | | Obesity and Pharmacotherapy | |
| **Week - 5** | | Thyroid Diseases and Medications | |
| **Week - 6** | | Hyperthyroidism and Hypothyroidism; Parathyroid Diseases | |
| **Week - 7** | | Pituitary Gland Diseases | |
| **Week - 8** | | Adrenal Gland Diseases | |
| **Week - 9** | | Cushing Syndrome, Adrenal Insufficiency, and Hyperaldosteronism | |
| **Week - 10** | | Osteoporosis and Medications Used in its Treatment | |
| **Week - 11** | | Calcium and Vitamin D Metabolism Disorders | |
| **Week - 12** | | Hyperuricemia, Gout, and Growth Hormone Disorders | |
| **Week - 13** | | Reproductive Endocrinology and Polycystic Ovary Syndrome | |
| **Week - 14** | | Mechanisms of Action, Side Effects, and Rational Use of Drugs in Metabolic and Endocrine Diseases | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | It explains the basic physiological functions of the metabolic and endocrine systems and the pathophysiological mechanisms of diseases. |
| 2 | It describes the etiology, risk factors, clinical findings, and basic diagnostic approaches of common metabolic and endocrine diseases. |
| 3 | It classifies and describes the drug groups used in the treatment of metabolic and endocrine diseases and their mechanisms of action. |
| 4 | This report evaluates the indications, adverse effects, contraindications, and significant drug interactions of medications used in the treatment of diabetes mellitus. |
| 5 | This section describes the basic pharmacotherapeutic approaches used in the treatment of thyroid, parathyroid, pituitary, and adrenal gland diseases. |
| 6 | It evaluates the role of medications used in the treatment of metabolic diseases such as obesity, metabolic syndrome, osteoporosis, and gout. |
| 7 | It evaluates the safety characteristics of drugs used in metabolic and endocrine diseases and the key parameters that should be monitored during treatment. |
| 8 | It evaluates rational and safe drug use in metabolic and endocrine diseases by considering the patient's individual characteristics, comorbidities, and other medications they are using. |

## 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.*