

ADIYAMAN UNIVERSITY

FACULITY OF PHARMACY

INTRODUCTORY BOOKLET

2021-2022

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**Our Faculty**

 Adıyaman University Faculty of Pharmacy, got the permission to establish with the decision of the Council of Ministers published in the Official Gazette dated April 15, 2011 and numbered 27906, completed its academic organization with the decision of YÖK in 2014. Our faculty started admitting students in the 2015-2016 academic year.

 **Dean**

Prof. Dr. Murat KOCA

**Vice Dean**

Doç. Dr. Ali Serol ERTÜRK

Dr. Öğr. Üyesi Görkem DENİZ SÖNMEZ

 **Akademic Staff**

Prof. Dr. Murat KOCA

Prof. Dr. Abdulbaki AKSAKAL

Prof. Dr. Ömer KILIÇ

Assoc. Prof. Dr. Ali Serol ERTÜRK

Assoc. Prof. Dr. Yener TEKELİ

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Assist. Prof. Hasan AYDIN

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Assist. Prof. Gülşen KIRPIK

Assist. Prof. Erkan YILMAZ

Lec. Miray EGE

Lec. Aslınur DOĞAN

Lec. Esmanur ÇİĞ

Lec. Fatma ŞENGÜL

Lec. Eda TURAN

Lec. Zehra TEKİN

Rsc. Assist. Dr. Leyla KARADURMUŞ

Rsc. Assist. Dr. Sümeyye TURANLI

 **Administrative Staff**

 Haruni Reşit BENLİ

 Gazi KARAKUŞ

 Ayşegül ARSLAN

 Zühal KARAKUŞ

 Duygu SÖYLEMEZ

* **Mission &Vision**

 **Mission**

Our Mission is to train pharmacists who use knowledge by adhering to ethical values, produce knowledge in a way that contributes to the health of the society, are contemporary, researcher, innovative, sharing, constructive, entrepreneurial, productive, critical thinking, can follow and benefit from technological developments, self-confident, and take active duties and responsibilities at every stage.

  **Vision**

Our vision; is to able to train pharmacists with sufficient knowledge and skills in the field of pharmacy who can use technology related to the profession at universal standards at hospital and industrial pharmacy; to be a leading faculty that can contribute to the world of science by designing research and development projects that will respond to social needs.

**Importance of Faculty of Pharmacy:**

Medicine and pharmacy started with the beginning of humanity. Pharmacists have a great role in directing patients' access to and correct use of the drug in every field including the drug. For this reason, graduates of pharmacy faculties must graduate with all the competencies in the field of pharmacy..

**Why Faculty of Pharmacy?**

 A pharmacist is a healthcare professional who provides communication between the physician and the patient.

 Pharmacist is responsible for the follow-up of the active drug substance at every stage from the design of the drug to its presentation to the patient.

Since they are the last step of health professionals that patients see before starting treatment, it plays an active role in the correct guidance of patients. It is very important that pharmacists are trained with sufficient equipment, as they are the only experts to consult about the drug. The fact that it is a sacred profession that closely concerns human health and the diversity of job opportunities for graduates are the most important reasons why young people prefer pharmacy faculties.

**Job Opportunities for Graduates**

Community pharmacies providing primary health care services are the most important employment area for graduates. Graduates; can open their pharmacies suitable for use in the future, as well as remain as auxiliary pharmacists or secondary pharmacists. They can be employed in private or public hospital pharmacies. They can also be employed in companies such as products related to pharmaceuticals, cosmetics and pharmaceutical devices. With the Examination for Specialization in Pharmacy (EUS), they can get the title of specialist pharmacist who are considered to be taken as clinical pharmacy and phytopharmaceuticals. They will be able to work in various public areas, as well as pursue an academic career.

**Highest and Lowest Placement Scores by Central Placement**

According to the ÖSYS results announced by the Presidency of the Measurement, Selection and Placement Center of our faculty in 2021, the students were placed with the highest score of 409, 735, while the student was placed with the lowest score of 395050. All 80 student quotas opened in total have been completed. The department continues the education of 409 students.

**ADIYAMAN UNIVERSITY**

**FACULTY OF PHARMACY**

**COURSE CATALOGUE (2022)**

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|  | **1. YEAR** | **SEMESTER I (FALL)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 101 | *Introduction to Pharmacy and Terminology* | Z | 2 | 0 | 2 | 2 |
| 2 | ECZ 103 | *Anatomy* | Z | 2 | 0 | 2 | 3 |
| 3 | ECZ 105 | *Physics* | Z | 2 | 0 | 2 | 2 |
| 4 | ECZ 107 | *Chemistry* | Z | 3 | 0 | 3 | 3 |
| 5 | ECZ 109 | *Mathematics* | Z | 2 | 0 | 2 | 2 |
| 6 | ECZ 111 | *Medical Biology and Genetics* | Z | 2 | 0 | 2 | 3 |
| 7 | ECZ 113 | *Biostatistics* | Z | 2 | 0 | 2 | 3 |
| 8 | ECZ 115 | *Plant Biology* | Z | 2 | 0 | 2 | 2 |
| 9 | ECZ 117 | *Organic Chemistry* | Z | 2 | 0 | 2 | 3 |
| 10 | AİİT 101 | *Ataturk’s Principles and Turkish Revolution 1* | Z | 2 | 0 | 2 | 2 |
| 11 | YD 101 | *English 1* | Z | 3 | 0 | 3 | 3 |
| 12 | TD 101 | *Turkish I* | Z | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **26** | **0** | **26** | **30** |

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|  | **1. YEAR**  | **SEMESTER II (SPRING)** |
| **No** | **Course Code** | **Dersin Adı****Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 102 | *Analytical Chemistry* I | Z | 3 | 0 | 3 | 4 |
| 2 | ECZ 104 | *Analytical Chemistry* I *Practice* | Z | 0 | 3 | 2 | 2 |
| 3 | ECZ 106 | *Organic Chemistry* II | Z | 2 | 0 | 2 | 3 |
| 4 | ECZ 108 | *Pharmaceutical Microbiology And Immunology* | Z | 4 | 0 | 4 | 5 |
| 5 | ECZ 110 | *Pharmaceutical Microbiology And Immunology Practice* | Z | 0 | 3 | 2 | 2 |
| 6 | ECZ 112 | *Physiology* | Z | 2 | 0 | 2 | 3 |
| 7 | ECZ 114 | *Medical First Aid* | Z | 2 | 0 | 2 | 2 |
| 8 | ECZ 116 | *National Pharmacy and Deontology* | Z | 2 | 0 | 2 | 2 |
| 9 | AİİT 102 | *Ataturk’s Principles and Turkish Revolution 2* | Z | 2 | 0 | 2 | 2 |
| 10 | YD 102 | *English 2* | Z | 3 | 0 | 3 | 3 |
| 11 | TD 102 | *Turkish 2* | Z | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **22** | **6** | **26** | **30** |

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|  | **2. YEAR**  | **SEMESTER I (FALL)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 201 | *Analytical Chemistry* II | Z | 3 | 0 | 3 | 4 |
| 2 | ECZ 203 | *Analytical Chemistry* II *Practice* | Z | 0 | 3 | 2 | 2 |
| 3 | ECZ 205 | *Pharmaceutical Botany* | Z | 2 | 0 | 2 | 4 |
| 4 | ECZ 207 | *Practice In Pharmaceutical Botany* | Z | 0 | 3 | 2 | 2 |
| 5 | ECZ 209 | *Biochemistry* I | Z | 2 | 0 | 2 | 4 |
| 6 | ECZ 211 | *Biochemistry Practice* | Z | 0 | 3 | 2 | 2 |
| 7 | ECZ 213 | *Public Health* | Z | 2 | 0 | 2 | 3 |
| 8 | ECZ 215 | *Phsiopathology* | Z | 2 | 0 | 2 | 3 |
| 9 | ECZ 217 | *Physical Pharmacy* | Z | 2 | 0 | 2 | 2 |
| 10 |  | *Elective Course I* | S | 2 | 0 | 2 | 2 |
| 11 |  | *Elective Course* II | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **17** | **9** | **23** | **30** |
|  | **2. YEAR** | **SEMESTER III (FALL) ELECTIVE COURSES (I, II)** |
| **No** | **Course Code** | **Course Name** | **Tür*****Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 231 | *Biochemical Calculations* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 233 | *Antibiotic Sensitivity Tests* | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 235 | *Cell Biology* | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 237 | *Cancer* *Biology* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 241 | *Aromatherapy* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 243 | *Sign Language* | S | 2 | 0 | 2 | 2 |
| 7 | ECZ 245 | *Healthy Nutrition and Anti-aging* | S | 2 | 0 | 2 | 2 |
| 8 | ECZ 247 | *Rational Cosmetic Use* | S | 2 | 0 | 2 | 2 |
| 9 | ECZ 249 | *Hormone Biochemistry* | S | 2 | 0 | 2 | 2 |
| 10 | ECZ 251 | Occupational health and Safety | S | 2 | 0 | 2 | 2 |
| 11 | ECZ 253 | The Adventure of Science | S | 2 | 0 | 2 | 2 |

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**2. YEAR**  | **4. YARIYIL (BAHAR)****SEMESTER IV (SPRING)** |  |  |  |  |  |
| **No** | **Ders Kodu****Course Code** | **Dersin Adı****Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 202 | *Pharmacology* I | Z | 3 | 0 | 3 | 3 |
| 2 | ECZ 204 | *Pharmacognosy* I | Z | 2 | 0 | 2 | 2 |
| 3 | ECZ 206 | *Pharmacognosy* I *Practice* | Z | 0 | 3 | 2 | 2 |
| 4 | ECZ 208 | *Pharmaceutical Chemistry* I | Z | 3 | 0 | 3 | 3 |
| 5 | ECZ 210 | *Pharmaceutical Chemistry* I *Practice* | Z | 0 | 3 | 2 | 2 |
| 6 | ECZ 212 | *Pharmaceutical Technology* I  | Z | 3 | 0 | 3 | 4 |
| 7 | ECZ 214 | *Pharmaceutical Technology* I *Practice* | Z | 0 | 3 | 2 | 2 |
| 8 | ECZ 216 | *Biochemistry* I | Z | 2 | 0 | 2 | 3 |
| 9 | ST 202 | *Internship* I | Z | 0 | 0 | 0 | 7 |
| 10 |  | *Elective Course* III | Z | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **15** | **9** | **21** | **30** |
|  | **2. YEAR** | **SEMESTER III (SPRING) ELECTIVE COURSES (III)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 228 | Organic Chemistry III |  | 2 | 0 | 2 | 2 |
| 2 | ECZ 230 | *Exercise Biochemistry and Obesity* |  | 2 | 0 | 2 | 2 |
| 3 | ECZ 232 | *Clinical Microbiology* |  | 2 | 0 | 2 | 2 |
| 4 | ECZ 236 | Plant Biotechnology In Pharmacy | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 238 | *Alternative medicine* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 240 | *Trace Element Analysis* | S | 2 | 0 | 2 | 2 |
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|  | **3. YEAR** | **SEMESTER V (FALL)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 301 | *Pharmacology* II | Z | 2 | 0 | 2 | 4 |
| 2 | ECZ 303 | *Pharmacognosy* II | Z | 2 | 0 | 2 | 3 |
| 3 | ECZ 305 | *Pharmacognosy* II *Practice* | Z | 0 | 3 | 2 | 2 |
| 4 | ECZ 307 | *Pharmaceutical Chemistry* II | Z | 2 | 0 | 2 | 3 |
| 5 | ECZ 309 | *Pharmaceutical Chemistry* II *Practice* | Z | 0 | 3 | 2 | 2 |
| 6 | ECZ 311 | *Pharmaceutical Technology* II | Z | 3 | 0 | 3 | 4 |
| 7 | ECZ 313 | *Pharmaceutical Technology* II *Practice* | Z | 0 | 2 | 1 | 2 |
| 8 | ECZ 315 | *Clinical Biochemistry* | Z | 2 | 0 | 2 | 3 |
| 9 | ECZ 317 | *Medical Equipment* | Z | 2 | 0 | 2 | 3 |
| 10 | ECZ 319 | *Drug Metabolism* | Z | 2 | 0 | 2 | 2 |
| 11 |  | *Elective Course* IV | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **17** | **8** | **22** | **30** |
|  | **3. YEAR** | **SEMESTER III (FALL) ELECTIVE COURSES (IV)** |
| **No** | **Course Code** | **Course Name** | **Tür*****Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 331 | *Free Radicals and Antioxidants* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 335 | *Instrumental Analysis Techniques* | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 337 | *Poisonous Plants* | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 339 | *German I* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 341 | *Development of Scientific Thought* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 343 | *The basic concepts of law* | S | 2 | 0 | 2 | 2 |
| 7 | ECZ 345 | *Leadership and Decision Making* | S | 2 | 0 | 2 | 2 |
| 8 | ECZ 347 | *Professional English* | S | 2 | 0 | 2 | 2 |

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|  | **3. YEAR** | **SEMESTER VI (SPRING)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 302 | *Pharmacology* III | Z | 2 | 0 | 2 | 3 |
| 2 | ECZ 304 | *Pharmaceutical Technology* III  | Z | 3 | 0 | 3 | 4 |
| 3 | ECZ 306 | *Pharmaceutical Technology* III *Practice*  | Z | 0 | 2 | 1 | 2 |
| 4 | ECZ 308 | *Pharmaceutical Chemistry* III  | Z | 2 | 0 | 2 | 3 |
| 5 | ECZ 310 | *Pharmaceutical Chemistry* III *Practice* | Z | 0 | 3 | 2 | 2 |
| 6 | ECZ 312 | *Pharmacognosy* III *Practice* | Z | 2 | 0 | 2 | 3 |
| 7 | ECZ 314 | *Pharmacognosy* III *Practice* | Z | 0 | 3 | 2 | 2 |
| 8 | ECZ 316 | *Cosmetology* | Z | 2 | 0 | 2 | 2 |
| 9 | ST 302 | *Internship* II | Z | 0 | 0 | 0 | 7 |
| 10 |  | *Elective Course* V | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **13** | **8** | **18** | **30** |
|  | **3. YEAR** | **SEMESTER VI (SPRING) ELECTIVE COURSES (V)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 330 | *Vitamins and Coenzymes* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 332 | *Heterocyclic Compounds* I | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 336 | *New Drug Delivery Systems and Targeting of Drugs* | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 338 | *Ethnobotany* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 340 | *German II* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 342 | *Introductıon To Electrochemıstry* | S | 2 | 0 | 2 | 2 |
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|  | **4. YEAR** | **SEMESTER VII (FALL)**  |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 401 | *Pharmaceutical Toxicology* I | Z | 2 | 0 | 2 | 3 |
| 2 | ECZ 403 | *Pharmaceutical Technology* IV  | Z | 2 | 0 | 2 | 4 |
| 3 | ECZ 405 | *Pharmaceutical Technology* IV *Practice* | Z | 0 | 2 | 1 | 2 |
| 4 | ECZ 407 | *Pharmaceutical Biotechnology*  | Z | 2 | 0 | 2 | 3 |
| 5 | ECZ 409 | *Pharmaceutical Chemistry* IV  | Z | 2 | 0 | 2 | 4 |
| 6 | ECZ 411 | *Pharmaceutical Chemistry* IV *Practice* | Z | 0 | 3 | 2 | 3 |
| 7 | ECZ 413 | *Radiopharmacy* | Z | 2 | 0 | 2 | 3 |
| 8 | ECZ 415 | *Pharmacology* IV | Z  | 2 | 0 | 2 | 4 |
| 9 |  | *Elective Course* VI | S | 2 | 0 | 2 | 2 |
| 10 |  | *Elective Course* VII | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **16** | **5** | **19** | **30** |
|  | **44. YEAR** |  | **SEMESTER VII (FALL) ELECTIVE COURSES (VI, VII)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 431 | *Food Biochemistry* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 433 | *Cell Culture and Application Areas* | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 435 | *Heterocyclic Compounds* II | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 437 | *Mass Spectroscopy* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 445 | *Process Validations in Pharmaceutical Technology* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 447 | *Phytotherapy* | S | 2 | 0 | 2 | 2 |
| 7 | ECZ 449 | *Organic Reaction Mechanism* | S | 2 | 0 | 2 | 2 |
| 8 | ECZ 451 | *Applied Entrepreneurship* | S | 2 | 1 | 3 | 2 |
| 9 | ECZ 453 | *General accounting* | S | 2 | 0 | 2 | 2 |
| 10 | ECZ 455 | *Electrochemistry in Pharmaceutical Analysis* | S | 2 | 0 | 2 | 2 |
| 11 | ECZ 457 | *Career Planning* | S | 2 | 0 | 2 | 2 |
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|  | **4. YEAR** | **SEMESTER VIII (SPRING)**  |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 402 | *Pharmaceutical Toxicology* II | Z | 2 | 0 | 2 | 4 |
| 2 | ECZ 404 | *Pharmaceutical Toxicology* II *Practice* | Z | 0 | 3 | 2 | 3 |
| 3 | ECZ 406 | *Pharmacotherapeutics* | Z | 2 | 0 | 2 | 4 |
| 4 | ECZ 408 | *Clinical Pharmacy* I | Z | 1 | 0 | 1 | 4 |
| 5 | ECZ 410 | *Clinical Pharmacy* I *Practice* | Z | 0 | 2 | 1 | 2 |
| 6 | ECZ 412 | *Biopharmacy And Pharmakokinetic* | Z | 2 | 0 | 2 | 2 |
| 7 | ST 402 | *Internship* III | Z | 0 | 0 | 0 | 7 |
| 8 |  | *Elective Course* VI | S | 2 | 0 | 2 | 2 |
| 9 |  | *Elective Course* VII | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **11** | **5** | **14** | **30** |
|  | **4. YEAR** | **SEMESTER VIII (SPRING) ELECTIVE COURSES (VIII, IX)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 432 | *Cosmetic Plants* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 434 | *Scientific Research Techniques* | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 438 | *Stereochemistry* | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 444 | *Pharmaceutical Nanotechnology* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 446 | *Chromatographic Methods* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 448 | *Vaccines and Production Technologies* | S | 2 | 0 | 2 | 2 |
| 7 | ECZ 450 | *Pharmacoeconomics* | S | 2 | 0 | 2 | 2 |
| 8 | ECZ 454 | *Transgenplants and biosecurity* | S | 2 | 0 | 2 | 2 |

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|  | **5. YEAR** | **SEMESTER IX (FALL)** |
| **No** | **Ders Kodu****Course Code** | **Dersin Adı****Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 501 | *Graduation Project I* | Z | 3 | 1 | 4 | 15 |
| 2 | ECZ 505 | *Clinical Pharmacy* II | Z | 2 | 0 | 2 | 2 |
| 3 | ECZ 507 | *Clinical Pharmacy* II *Practice* | Z | 0 | 3 | 2 | 2 |
| 4 | ST 501 | *Internship* IV | Z | 0 | 16 | 8 | 7 |
| 5 |  | *Elective Field Course* I | S | 2 | 0 | 2 | 2 |
| 6 |  | *Elective Field Course* II | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **9** | **27** | **23** | **30** |
|  | **5. YEAR** | **SEMESTER IX (FALL) ELECTIVE FIELD COURSES (I, II)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 531 | *Pharmacy Accounting* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 535 | *Zoonoses* | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 537 | *Drug Development Processes and Pharmaceutical Patents* | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 539 | *Spectroscopic Methods* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 549 | *Rational Drug Use* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 551 | *Proteins produced with recombinant DNA technology* | S | 2 | 0 | 2 | 2 |
| 7 | ECZ 565 | *Sterilization and Safe Working* | S | 2 | 0 | 2 | 2 |
| 8 | ECZ 569 | *Drug Participation in Parenteral Solutions and Dialysis Solutions* | S | 2 | 0 | 2 | 2 |
| 9 | ECZ 571 | *Clinical Pharmacokinetics and Biopharmaceutical Calculations* | S | 2 | 0 | 2 | 2 |
| 10 | ECZ 577 | *Environmental Toxicology* | S | 2 | 0 | 2 | 2 |
| 11 | ECZ 579 | *Computerized Modeling and Drug Design* | S | 2 | 0 | 2 | 2 |
| 12 | ECZ 581 | *Drug Analysis and Validation* | S | 2 | 0 | 2 | 2 |
| 13 | ECZ 583 | *Food Toxicology* | S | 2 | 0 | 2 | 2 |
| 14 | ECZ 585 | *Quality Assurance and Regulations* | S | 2 | 0 | 2 | 2 |
| 15 | ECZ 587 | *Pharmaceutical Ingredient Research and Development Techniques* | S | 2 | 0 | 2 | 2 |
| 16 | ECZ 589 | *Nutraceuticals* | S | 2 | 0 | 2 | 2 |
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|  | **5. YEAR** | **SEMESTER X (SPRING)**  |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 502 | *Graduation Project* II | Z | 3 | 1 | 4 | 15 |
| 2 | ECZ 506 | *Pharmacy Legislation* | Z | 1 | 0 | 1 | 1 |
| 3 | ECZ 508 | *Pharmacy Management* | Z | 2 | 0 | 2 | 3 |
| 4 | ST 502 | *Internship* IV | Z | 0 | 16 | 8 | 7 |
| 5 |  | *Elective Field Course* III | S | 2 | 0 | 2 | 2 |
| 6 |  | *Elective Field Course* IV | S | 2 | 0 | 2 | 2 |
|  |  | **Total** |  | **10** | **24** | **22** | **30** |
|  | **5. YEAR** | **SEMESTER X (SPRING) ELECTIVE FIELD COURSES (III, IV)** |
| **No** | **Course Code** | **Course Name** | ***Type*** | **T*****T*** | **U*****P*** | **Kr*****Cr*** | **AKTS*****ECTS*** |
| 1 | ECZ 530 | *Pharmacy Management* | S | 2 | 0 | 2 | 2 |
| 2 | ECZ 538 | *Agricultural and Veterinary Medicines* | S | 2 | 0 | 2 | 2 |
| 3 | ECZ 540 | *Pharmacovigilance* | S | 2 | 0 | 2 | 2 |
| 4 | ECZ 544 | *Drug-Drug Interactions* | S | 2 | 0 | 2 | 2 |
| 5 | ECZ 548 | *Plant Biotechnology and Active Substances of Economic Value* | S | 2 | 0 | 2 | 2 |
| 6 | ECZ 566 | *Epidemiology of Hospital Infections* | S | 2 | 0 | 2 | 2 |
| 7 | ECZ 568 | *Clinical Toxicology* | S | 2 | 0 | 2 | 2 |
| 8 | ECZ 570 | *Majistral Drug and Preparation Techniques* | S | 2 | 0 | 2 | 2 |
| 9 | ECZ 572 | *Herbal Tea* | S | 2 | 0 | 2 | 2 |
| 10 | ECZ 574 | *Effective Communication Techniques* | S | 2 | 0 | 2 | 2 |

**Activities**

As the faculty of pharmacy, in the field of academic activities; domestic and international joint projects carried out by faculty members continues. In this context, guest lecturers are invited as speakers.

For our students; Speakers are invited every year to raise awareness about their employment after graduation. Our student community called Pharmex, which is active in our faculty, creates a platform where students can improve themselves academically and socially by increasing the interaction between them by conducting social activities, interviews and excursions.

Faculty of Pharmacy

**Adress**Adıyaman Üniversitesi (ADYÜ)

Merkezi Derslikler C Blok
Kat: 3

Eczacılık Fakültesi
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