**EK-1**

**Fenerbahce University Faculty of Pharmacy- Lesson Plan**

**Course Year 1**

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| **Course Semester 1 (Course Period Autumn)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR1001 | Pharmaceutical Terminology | C |  | 2 | 0 | 2 | 3 |
| PHAR1003 | General Chemistry | C |  | 3 | 0 | 3 | 4 |
| PHAR1005 | Anatomy | C |  | 3 | 0 | 3 | 4 |
| PHYS1003 | Physics | C |  | 3 | 0 | 3 | 4 |
| MATH1005 | Mathematics | C |  | 3 | 0 | 3 | 4 |
| PSYC1001 | Basic Psychology  | C |  | 2 | 0 | 2 | 3 |
| SPE1005 | Fundamentals of Physical Education and Sport  | C |  | 2 | 0 | 2 | 2 |
| UNI103 | University Life and Culture | C |  | 1 | 2 | 2 | 2 |
| TURK103 | Turkish Language I | C |  | 2 | 0 | 2 | 2 |
| ENG103 | Advanced English I | C |  | 2 | 0 | 2 | 2 |
| **Total**  | **24** | **30** |

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| **Course Semester 2 (Course Period Spring)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR1002 | Organic Chemistry | C |  | 3 | 0 | 3 | 4 |
| PHAR1004 | Analytical Chemistry I  | C |  | 3 | 0 | 3 | 4 |
| PHAR1008 | Analytical Chemistry I Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR1010 | Pharmaceutical Botany | C |  | 2 | 0 | 2 | 2 |
| PHAR1012 | Pharmaceutical Botany Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR1014 | Physiopathology | C |  | 2 | 0 | 2 | 3 |
| PHAR1016 | Pharmacy History | C |  | 2 | 0 | 2 | 2 |
| MED1018 | Medical Biology and Genetics  | C |  | 2 | 0 | 2 | 3 |
| ENG104 | Advanced English II | C |  | 2 | 0 | 2 | 2 |
| TURK104 | Turkish Language II  | C |  | 2 | 0 | 2 | 2 |
| COMP104 | Information Technologies  | C |  | 1 | 2 | 2 | 4 |
| **Total** | **24** | **30** |

**Course Year 2**

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| **Course Semester 3 (Course Period Autumn)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR2001 | Biochemistry | C |  | 3 | 0 | 3 | 4 |
| PHAR2003 | Analytical Chemistry II | C |  | 3 | 0 | 3 | 4 |
| PHAR2005 | Analytical Chemistry II Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR2007 | Pharmaceutical Microbiology and Immunology | C |  | 3 | 0 | 3 | 4 |
| PHAR2009 | Pharmaceutical Microbiology Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR2011 | Deontology and Ethics | C |  | 2 | 0 | 2 | 3 |
| PHAR2013 | Public Health | C |  | 3 | 0 | 3 | 4 |
| MED2009 | Medical First Aid  | C |  | 2 | 0 | 2 | 2 |
| HIST203 | Ataturk's Principles and The History of Turkish Renovation l | C |  | 2 | 0 | 2 | 2 |
| STAT2082 | Biostatistics  | C |  | 2 | 0 | 2 | 3 |
| **Total** | **24** | **30** |

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| **Course Semester 4 (Course Period Spring)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR2002 | Pharmacognosy I | C |  | 3 | 0 | 3 | 4 |
| PHAR2004 | Pharmacognosy I Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR2006 | Pharmaceutical Technology I | C |  | 3 | 0 | 3 | 4 |
| PHAR2008 | Pharmaceutical Technology I Laboratory  | C |  | 0 | 3 | 2 | 2 |
| PHAR2010 | Pharmaceutical Chemistry I | C |  | 3 | 0 | 3 | 4 |
| PHAR2012 | Drug Metabolism | C |  | 2 | 0 | 2 | 2 |
| PHAR2014 | Pharmacology I | C |  | 3 | 0 | 3 | 4 |
| PHAR2016 | Nutritional Biochemistry | C |  | 2 | 0 | 2 | 2 |
| INTS2002 | Internship I | C |  | 0 | 8 | 4 | 4 |
| HIST204 | Ataturk's Principles and The History of Turkish Renovation lI | C |  | 2 | 0 | 2 | 2 |
| **Total** | **26** | **30** |

**Course Year 3**

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| **Course Semester 5 (Course Period Autumn)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR3001 | Pharmacognosy II | C |  | 3 | 0 | 3 | 4 |
| PHAR3003 | Pharmacognosy II Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR3005 | Pharmaceutical Technology II | C |  | 3 | 0 | 3 | 4 |
| PHAR3007 | Pharmaceutical Technology II Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR3009 | Pharmaceutical Chemistry II | C |  | 3 | 0 | 3 | 4 |
| PHAR3011 | Pharmaceutical Chemistry I Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR3013 | Pharmacology II | C |  | 3 | 0 | 3 | 4 |
| PHAR3015 | Food Toxicology | C |  | 2 | 0 | 2 | 3 |
|  | Thematic Elective |  |  | 2 | 0 | 2 | 2 |
|  | Thematic Elective  |  |  | 2 | 0 | 2 | 3 |
| **Total** | **24** | **30** |

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| **Course Semester 6 (Course Period Spring)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR3002 | Phytotherapy | C |  | 2 | 0 | 2 | 3 |
| PHAR3004 | Pharmaceutical Technology III | C |  | 3 | 0 | 3 | 4 |
| PHAR3006 | Pharmaceutical Technology III Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR3008 | Pharmaceutical Chemistry III | C |  | 3 | 0 | 3 | 4 |
| PHAR3010 | Pharmaceutical Chemistry II Laboratory | C |  | 0 | 3 | 2 | 2 |
| PHAR3012 | Pharmacology III | C |  | 3 | 0 | 3 | 4 |
| PHAR3014 | Clinical Biochemistry | C |  | 2 | 0 | 2 | 3 |
| PHAR3016 | Clinical Biochemistry Laboratory | C |  | 0 | 2 | 1 | 2 |
| INTS3002 | Internship II | C |  | 0 | 8 | 4 | 4 |
|  | Thematic Elective  |  |  | 2 | 0 | 2 | 2 |
| **Total** | **24** | **30** |

**Course Year 4**

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| **Course Semester 7 (Course Period Autumn)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR4001 | Pharmaceutical Toxicology I | C |  | 2 | 0 | 2 | 4 |
| PHAR4003 | Medical Device | C |  | 2 | 0 | 2 | 2 |
| PHAR4005 | Clinical Pharmacy I | C |  | 2 | 0 | 2 | 3 |
| PHAR4007 | Clinical Pharmacy Applications I | C |  | 0 | 3 | 2 | 4 |
| PHAR4009 | Cosmetology | C |  | 3 | 0 | 3 | 4 |
| PHAR4011 | Pharmacotherapy | C |  | 3 | 0 | 3 | 4 |
| PHAR4013 | Pharmacokinetics | C |  | 3 | 0 | 3 | 4 |
|  | Field Course I | E |  | 2 | 0 | 2 | 3 |
|  | Field Course II | E |  | 2 | 0 | 2 | 2 |
| **Total** | **21** | **30** |

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| **Course Semester 8 (Course Period Spring)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR4002 | Pharmaceutical Toxicology II | C |  | 2 | 0 | 2 | 3 |
| PHAR4004 | Clinical Pharmacy II | C |  | 2 | 0 | 2 | 4 |
| PHAR4006 | Clinical Pharmacy Applications II | C |  | 0 | 3 | 2 | 4 |
| PHAR4008 | Pharmaceutical Biotechnology | C |  | 3 | 0 | 3 | 4 |
| PHAR4010 | Pharmaceutical Toxicology Laboratory | C |  | 0 | 3 | 2 | 3 |
| PHAR4012 | Pharmacy Management | C |  | 3 | 0 | 3 | 4 |
| INTS4002 | Internship III | C |  | 0 | 8 | 4 | 4 |
|  | Field Course III | E |  | 2 | 0 | 2 | 2 |
|  | Field Course IV | E |  | 2 | 0 | 2 | 2 |
| **Total** | **22** | **30** |

**Course Year 5**

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| **Course Semester 9 (Course Period Autumn)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR5001 | Graduation Project I | C |  | 0 | 16 | 8 | 9 |
| PHAR5003 | Pharmaceutical Legislation | C |  | 3 | 0 | 3 | 3 |
| PHAR5005 | Quality Management in Pharmaceuticals | C |  | 3 | 0 | 3 | 4 |
| PHAR5007 | Communication Skills I | C |  | 2 | 0 | 2 | 3 |
| PHAR5009 | Pharmacoeconomics | C |  | 3 | 0 | 3 | 3 |
|  | Field Course V | E |  | 2 | 0 | 2 | 2 |
|  | Field Course VI | E |  | 2 | 0 | 2 | 2 |
|  | Field Course VII | E |  | 2 | 0 | 2 | 2 |
|  | Field Course VIII | E |  | 2 | 0 | 2 | 2 |
| **Toplam** |  |  |  |  |  | **27** | **30** |

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| **Course Semester 10 (Course Period Spring)** |
| **Course Code** | **Course Name** | **Course Type**  | **Precondition** | **T** | **U** | **K** | **ECTS** |
| PHAR5002 | Graduation Project II | C |  | 0 | 16 | 8 | 9 |
| PHAR5004  | Communication Skills II | C |  | 2 | 0 | 2 | 3 |
| INTS5002 | Internship IV | C |  | 0 | 8 | 4 | 18 |
| **Total** |  |  |  |  |  | **14** | **30** |
| **The overall total** |  |  |  |  |  | **230** | **300** |