Ankara University

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**Syllabus**

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| Course Title and code | Pharmaceutical Chemistry II-PHA386 |
| Course Coordinator | Prof.Tunca Gül ALTUNTAŞ |
| Instructors | Prof. Tunca Gül ALTUNTAŞProf.Sibel SÜZENProf.Zeynep ATEŞ ALAGÖZ |
| Course Level | Undergraduate |
| Course Type | Compulsory |
| Course Content | Chemotherapy, chemotherapeutics, beta-lactam group antibiotics, beta-lactamase inhibitors (penicillins, cephalosporins), amino acid antibiotics, polypeptide antibiotics, macrolide antibiotics, aminoglycoside antibiotics, tetracyclines, chloramphenicol, sulfonamides, quinolone derivatives, antituberculosis drugs, , antiviral drugs and urinary system drugs. |
| Goals | The basic characteristics of the drug groups described are that the learners have knowledge about the mechanisms of action, structure-effect relationships, syntheses and biotransformations. |
| Learning Outcomes | 1) Recognizes the basic sciences about the drug. 2) Knows information about design, synthesis, analysis and pharmacokinetics of pharmaceutical products 3) Gives consulting about pharmaceutical teamwork, research and development 4) Follows developments in the field of information and technology in order to increase the effectiveness of pharmacy services. |
| Course Duration  | One Term (three hours/week) |
| Language of Instruction | English |
| **Prerequisites** | None |
| Recommended Sources |

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| Farmasötik Kimya Hacettepe Üniversitesi Yayınları ISBN: 978-975-491-171-8 3. Baskı, Aralık 2013 |
| Foye's Principles of Medicinal Chemistry Publication Date: March 8, 2012 ISBN-10: 1609133455 ISBN-13: 978-1609133450 Edition: Seventh, North American Edition |
| Burger's Medicinal Chemistry, Drug Discovery and Development 7th Edition, 8 Volume Set ISBN: 978-0-470-27815-4 September 2010 |
| Pharmaceutical Chemistry, David G. Watson (Author) Publication Date: February 18, 2011 ISBN-10: 0443072329 ISBN-13: 978-0443072321 Edition: 1 |
| Wilson and Gisvold's Textbook of Organic Medicinal and Pharmaceutical Chemistry Publication Date: March 2, 2010 ISBN-10: 0781779294 ISBN-13: 978-0781779296 Edition: Twelfth, North American Edition |

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| ECTS Credits | 3 |
| Practise | None |
| Other-1 | None |