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Syllabus

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| Code and Name of the Course | PHA482-Pharmaceutical Chemistry IV |
| Course Coordinator | Prof. Dr. Esin AKI-YALÇIN |
| Course Grade | Undergraduate |
| Course Credit | 2 |
| Course Type | Compulsory |
| Course Content | In this course formula, nomenclature, general physicochemical properties, general synthetic pathways, metabolism, stability, general chemical analysis, structure-activity relationships and therapeutic uses of drugs acting on the digestive system, medications used in ulcer treatment, laxatives, purgatives, antidiarrheal compounds, emetics, anti-emetics, radiodiagnostic drugs, mucolytics, expectorants, antitussives, oral antidiabetics, antihypoglycemics, hormones, steroid hormones, thyroid hormones, thyroid active compounds and antithyroid compounds are taught. |
| Aim of the Course | Aim of this course is to develop knowledge and skills on the synthesis and mechanisms of action of drugs used in gastrointestinal tract, respiratory system and endocrine system diseases drugs. Besides examining the diseases about subject, the purpose and content of this education will allow students as persons who can inform and guide patients about drugs in the treatment with medicines. |
| Course Duration | One term (two hours/week) |
| Language of Instruction | English |
| Prerequisite | None |
| Recommended Sources | <ul style="list-style-type: none"> - Burger's Medicinal Chemistry, Drug Discovery and Development 7th Edition, 8 Volume Set ISBN: 978-0-470-27815-4 September 2010 - Foye's Principles of Medicinal Chemistry Publication Date: March 8, 2012 ISBN-10: 1609133455 ISBN-13: 978-1609133450 Edition: Seventh, North American Edition - 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 |
| Course Credit (ECTS) | 2 |
| Practise | None |
| Other-1 | None |