

Spring semester

Medicinal Chemistry I

Course code	PC 609
Programme(s) on which the course is given:	Bachelor of pharmacy - PharmD Program
Academic year:	Level 3 – Second semester
Contact hours (credit hours):	Lecture: 2 (2), Practical: 2 (1), Total: 4(2+1)

Overall Aims of Course:

Upon successful completion of this course the students will be able to :

- Demonstrate knowledge of the basic concepts of pharmaceutical chemistry effectively and the characteristics of different therapeutic classes.

- This course is tailored to assist the students to integrate the principles of Medicinal Chemistry, chemical structures of drugs, their structure activity relationships with the conceptual aspects of drug action at their target sites, regarding different classes of drugs affecting the autonomic nervous system (ANS), drugs acting on the cardiovascular system (CVS), central nervous system (CNS), neurodegenerative disorders. Moreover, antihistamines (H1, H2 blockers and anti-ulcer PPIs), and drugs controlling pain and inflammation (NSAIDs, local anaesthetics and rheumatoid drugs) are also handled.