

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharmaceutical & Med. chemistry (3)
Course number	PHCH4213
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Identifying categories of certain classes of drugs and their efficacies
2 - Recognizing drugs affecting different targets based on physiological systems
3 - Ability to interpret SAR
4 - This course is designed as continuation of pharmaceutical chemistry 2 prerequisite

Course Contents

1 - Introduction CNS acting drugs
2 - General anesthetics (parenteral and inhaled)
3 - (Sedative and hypnotics (benzodiazepines , barbiturates&others
4 - Psychotherapeutic agents (antipsychotic , anti-depressants& psycho-analeptics)
5 - Psychomotor stimulants and Antiparkinsonism
6 - (Cholinergic agents (direct & indirect
7 - (Anti-cholinergics (anti-muscarinic & anti-nicotinic
8 - Cardiovascular Agents
9 - Antianginal Agents and Vasodilators
10 - Antiarrhythmic Drugs
11 - Antihypertensive Agents
12 - ACE-Inhibitor
13 - Angiotensin Antagonists
14 - Angiotensin II Blockers
15 - Renin Inhibitors

Students Assessment

Assessment Method	TIME	MARKS
med.term exam.1		25
med.term exam.2		25
Final exam		50

Books and References

Recommended books	Wilson and Gisvolds Textbook of Organic Medicinal and Pharmaceutical, by Wilson , Beale, Block ,and Gisvold, 11ed. Lippincott Williams& wilkins , ISBN:0781734819
Other References (Periodical, web sites, etc.)	Foyes Principles of Medicinal Chemistry by Thomas I lemke, David A williams Lippincott Williams &Wilkins; 6 edition ISBN: 0781768799 Burgers Medicinal Chemistry and Drug Discovery , Drug Discovery and Drug Development Wiley-interscience;6 edition ISBN:0471370282