



Planning and Quality Assurance Affairs

Form (A)

**Course Specifications**

**General Information**

<b>Course name</b>	Pharmaceutical chemistry (3)
<b>Course number</b>	PHCH4213
<b>Faculty</b>	
<b>Department</b>	
<b>Course type</b>	Major Needs
<b>Course level</b>	4
<b>Credit hours (theoretical)</b>	2
<b>Credit hours (practical)</b>	0
<b>Course Prerequisites</b>	

**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**

<b>Assessment Method</b>	<b>TIME</b>	<b>MARKS</b>
med.term exam.1		25
med.term exam.2		25
Final exam		50

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## Books and References

Recommended books	Wilson and Gisvolds Textbook of Organic Medicinal and Pharmaceutical, by Wilson , Beale, Block ,andGisvold, 11ed. Lippincott Williams& wilkins , ISBN:0781734819
Other References (Periodical, web sites, .... etc.)	Foyes Principles of Medicinal Chemistry by Thomas 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