

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharmacology (2)
Course number	PHPT4312
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - a.	Evaluation of drug benefits in disease therapy.
2 - b.	Drug prescriptions is based on the right diagnosis.
3 - c.	Students should not forget the side effects or drug toxicity upon usage.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * a. Students should learn about drugs used to treat C.V. system diseases, as (cardiac failure, arrhythmias, hypertension, Angina Pectoris) * b. Students should learn about drugs that alter lipid plasma levels. * c. Students should learn about drugs used to treat respiration abnormalities (Asthma, Chronic obstructive pulmonary disease). * d. Students should learn about drugs used in cases of thromboembolic disorders, (prophylactic/ anaphylactic) * e. Students should learn about drugs used to treat GI-disorders as GI-ulcerations, Diarrhea and constipation.
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Course Contents

- 1 - V- CARDIOVASCULAR SYSTEM
- 2 - Cardiovascular System Overview and Organization
- 3 - Digitalis Glycosides and Other Positive Inotropic Agents
- 4 - Anti-arrhythmic Drugs
- 5 - Vasodilators and the Pharmacological Treatment of Hypertension
- 6 - Dyslipidemias and Antihyperlipidemic Drugs
- 7 - VI- RESPIRATORY, RENAL, BLOOD, AND IMMUNE SYSTEMS
- 8 - Drugs and the Respiratory System
- 9 - Diuretics
- 10 - Drugs That Affect Hemostasis
- 11 - Drugs (Agents) That Affect Erythropoiesis
- 12 - Immune system Organization, Modulation, and Pharmacology
- 13 - Pharmacotherapy of Acid-Peptic Disorders
- 14 - Pharmacotherapy of Intestinal Motility Disorders and Inflammatory Bowel Disease

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Midterm Exams Reports, presentations	one hour	50%
final exam	two hours	50%

Books and References

Course note	[1] The Pharmacological Basis of Therapeutics By Goodman and Gilman's 12th Edition (2014).
	[2] Pharmacology By Rang, H.P; Dale, M.M; Ritter, J.M. 6th Edition, (2007).
	[3] Basic and clinical Pharmacology By Bertram G. katzung. 11th Edition, (2009).
	[4] Modern Pharmacology With Clinical Applications By Charles, R.C. and Robert, R. S. 6th Edition, (2003).
	5] Basic Pharmacology: Understanding Drug Action and Reactions. By Maria A Hernandez; Appu Rathinavelu 1st Edition, (2006).
	[6] Brody's Human Pharmacology. By By Lynn Wecker; PHD; Lynn M Crespo; George Dunaway; Carl Faingold and Stephanie Watts. 5th Edition. (2010)