



Course Weekly Outline

Course Instructor	Seher Abdul Rasool Abdul Hussein				
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Title	Pharmacology and Toxicology				
Course Coordinator	Ahmed Hashim				
Course Objective	The course aims to provide students with the principles and skills required to treat diseases affecting different body systems & the knowledge of mechanism of drugs action , side effects, pharmacokinetic , pharmacodynamic criteria and drug interactions.				
Course Description	Knowledge of pharmacological properties of therapeutic agents .				
Textbook	Richard A Harvey; Lippincott's illustrated reviews: Pharmacology; latest edition.				
References	Anthony J. Trevor, Bertram G. Katzung , Susan B. Masters; Pharmacology: Examination & Board Review , last ed.				
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (35%)	As (15%)	As (10%)	----	As (40%)
General Notes					



Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	5/10	Diuretics: introduction, osmotic diuretics	Laboratory Principles or Toxicological Screening.	
2	12/10	Thiazides and carbonic anhydrase inhibitors	Urine analysis of toxins and chemicals.	
3	19/10	Loop diuretics	Cardiac glycosides toxicity: Digitalis.	
4	26/10	Low efficacy diuretics	Cases on toxicity with foods and dietary supplements	
5	2/11	Treatment of hypertension ,part I .	Identification of some common poisons in biological samples: Arsenic; Phenothiazine	
6	9/11	Treatment of hypertension ,part II .	Identification of some common poisons in biological samples: strychnine; Salicylates;	
7	16/11	Treatment of angina pectoris	Identification of some common poisons in biological samples: derivatives; barbiturates	
8	23/11	Treatment of heart failure		
9				
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11				
12				
13				
14				
15				
16				
Half-year Break				
17	17/2	Adrenal hormones part I		
18	24/2	Adrenal hormones part II		
19	3/3	Autacoids : general considerations		
20	10/3	Eicosanoids : introduction		
21	17/3	Prostaglandins & their antagonists		

22	24/3	Leukotrienes		
23	31/3	Histamine & its antagonists I		
24	7/4	Histamine & its antagonists II		
25	14/4	Serotonin & its antagonists I		
26	21/4	Serotonin & its antagonists II		
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Instructor Signature:

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