

Course Description Form

1. Course Name: pharmacology	
2. Course Code:	
3. Semester / Year:2023-2024	
4. Description Preparation Date:13/3/2024	
5. Available Attendance Forms: attendance	
6. Number of Credit Hours (Total) / Number of Units (Total) 90	
7. Course administrator's name (mention all, if more than one name)	
Name: Jawad Kathem Hassan Email: jawad.hasan@uobasrah.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> -Raise the concept of Pharmaco-vigilance -Expose the students to skills that can be used to serve the community and health system Prepare the students to be an efficient doctors, scientists, and researchers capable of complying with community needs. -Encourage students to continue medical education through learning from other experiences.
9. Teaching and Learning Strategies	
Strategy	<p>1-Lectures (theory) 85-90 lectures/year. The class was divided into 2; each class consisted of 250 students. Each sub-class was given the same lecture. The objective of the lecture was clearly displayed to the class before starting the lecture.</p> <p>2-Practical/ Discussion sessions :</p> <p>3-Small group discussion</p>

10. Course Structure

طريقة التقييم	طريقة التعلم	اسم الوحدة / المساق او الموضوع	مخرجات التعلم المطلوبة	السا اعات	الأسبوع
امتحانات قصيرة + امتحان نصف السنة + امتحان نهائي	محاضرات نظرية ومناقشات اسبوعية	Drugs acting on GIT (1)	Treatment of peptic ulcer 1. Eradication of H. pylori 2. Anti-secretary drugs 3. Antacids 4. Mucosal protective agents 5. Anticholinergic drugs 6. NSAIDs & peptic ulcer	2	16
		Drugs acting on GIT (2)	1. Anti-emetic drugs 2. Antidiarrheal drugs 3. Laxatives 4. Irritable bowel syndrome 5. Inflammatory bowel disease 6. Drugs for gall stones 7. Questions	2	17
		Diuretics	1. Classification according to efficacy & site of action a. Loop diuretics b. Thiazides & thiazide related Potassium sparing c. Carbonic anhydrase inhibitors 2. Clinical uses 3. Side effects 4. Questions	2	19
		Drugs in heart failure	1. Types of heart failure 2. Physiology of HF & compensation 3. Drugs used for HF a. Diuretics, b. ACEI, c. Inotropics, d. Beta blockers, e. BNP, f. Vasodilators 4. Role of beta blockers in HF 5. Pulmonary Oedema 6. Questions	2	19
		Antihypertensive	1. Physiology & mechanism of BP a. Baroreceptors, c. RAAS 2. Treatment strategies Diuretics, Beta blockers, ACEI, ARABs, CCB, Alfa blockers, Vasodilators, 4. Hypertensive emergency 5. Questions	2	20
		Antiarrhythmics	1. Physiology of cardiac conduction 2. Types & causes of arrhythmias	3	21

			3. Action Potential of Cardiac Myocyte 4. Therapeutic indications for Common Arrhythmias 5. Questions		
		Thyroids hormones and anti-thyroid	1. Regulation of thyroid function 2. Fate of thyroid hormones 3. Thyrotoxicosis treatment a. anti-thyroid drugs b. Radioactive iodine c. Iodide salts d. Beta blockers e. Anti-thyroid in pregnancy & lactation	1	26
		Sex hormones, contraceptive drugs	1. Types & secretion of sex hormones in male & female 2. Estrogens 3. Anti-estrogens Clomifene, tamoxifen, raloxifene 4. Progesterone 5. Danazole 6. Infertility treatment 7. Contraceptives Combined, POP 8. Androgens 9. Anti-androgens 10. Questions	3	27

11. Course Evaluation	
Final exam, 60 marks Mid-year exam: 30 marks Practical exam: 10 marks Short formative exams	
12. Learning and Teaching Resources	
Required textbooks (curricular books any)	Lippincott illustrated reviews: Pharmacology, 7th edition, 2016 Clinical Pharmacology, Morris Brown, Pankaj Sharma, Fraz Mir, Pe Bennett, 12 edition, 2018 Basic and Clinical Pharmacology, Bertram Katzung, Susan Mast Anthony Trevor, 12th edition 2012
Main references (sources)	

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	<ol style="list-style-type: none">1. BNF (Current issue)2. FDA, USA (Food and drug administration)