

**University of Al-Anbar**

**College of Pharmacy**

**Department of Clinical Pharmacy**

Title of the course: *Applied Therapeutics I* Course number: **513**

Level: 5<sup>th</sup> Class, 1<sup>st</sup> Semester

Credit hours: **Theory 3 hours Laboratory ----**

Tutors:

Reference text:

**1- Roger Walker, Clive Edwards (eds), Clinical Pharmacy and Therapeutics, Churchill Livingstone, London, Latest edition.**

**2- Mary Anne Koda-Kimble (ed.), Applied Therapeutics: The Clinical Use of Drugs, Walter Klumer, Latest edition.**

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**Objectives:** To improve the knowledge and practice of students in the clinical application of drugs in the treatment of diseases and disorders in different organ systems, and enable students to integrate clinical pharmacy practice with other health care providers in the clinical setting.

No	Lecture title	hours
1.	Pharmacotherapy of Cardiovascular Disorders: Hypertension.	2
2.	Drug therapy in heart failure.	2
3.	Drug therapy in ischemic heart diseases and acute coronary syndrome.	3
4.	Drug therapy in arrhythmias and stroke.	2
5.	Pharmacotherapy in dyslipidemia and venous thromboembolism.	2
6.	Drug therapy in hypovolemic shock, intensive care (DKA).	2
7.	Pharmacotherapy of Respiratory disorders: Asthma and COPD.	2
8.	Drug therapy in cystic fibrosis and upper and lower respiratory tract infections.	2
9.	Pharmacotherapy in gastrointestinal disorders: GERD and peptic ulcer diseases.	2
10.	Drug therapy in inflammatory bowel disease and irritable bowel syndrome.	2
11.	Drug therapy in portal hypertension and liver cirrhosis, viral hepatitis.	3
12.	Drug therapy in nausea and vomiting and pancreatitis.	1
13.	Pharmacotherapy in renal disorders: Acute renal failure.	2
14.	Drug therapy in chronic end-stage renal diseases.	3
15.	Drug therapy in fluid and electrolyte disorders and acid base disturbances; urinary tract infections.	3
16.	Drug therapy in urinary incontinence and pediatric enuresis.	1
17.	Drug therapy benign prostatic hyperplasia and erectile dysfunction.	1

18.	Pharmacotherapy in neurologic disorders: epilepsy and status epilepticus.	2
19.	Drug therapy in multiple sclerosis; Parkinson disease and management of pain.	2
20.	Pharmacotherapy in gynecology and obstetric disorders: Therapeutic considerations in pregnancy and lactation.	2
21.	Drug therapy in menstruation related disorders; contraception.	3
22.	Hormone replacement therapy in menopause.	1