

Course Specifications

University	Beni-Suef
Faculty	Pharmacy
Dept.	<u>Clinical pharmacy</u>

1-Course Info.	Course Name: clinical pharmacy
Code No. 109	Academic year/ Level: Fifth year, first semester
Credit hours: Lecture (3) hour + Practical (2) hour	

2-Overall Aim of the Course	To ensure that students have the necessary knowledge skills enabling them to understand major concepts of pharmaceutical care of the major disease states, their pathophysiology, and therapeutic skills in their management. The course also introduces students to the concepts of pharmacokinetics
3-Intended Learning Outcomes of the course (ILOs)	
a. Knowledge and understanding	<p>a.1. Demonstrate clear and comprehensive knowledge and full confident understanding of different products available commercially.</p> <p>a.2. Demonstrate clear understanding of pathophysiology and therapeutics of major diseases.</p> <p>On successful completion of this course students will be able to apply knowledge and understanding of the theoretical and practical sections of this course, to achieve higher competencies, as described under the following categories of skills:</p>
b. Intellectual Skills	<p>b.1. Effectively assess different pathological conditions.</p> <p>b.2. Implement different concepts of clinical pharmacokinetics on different medications</p>
c. Professional and Practical Skills	<p>c.1. Identify and solve different problems of drug-drug and drug-disease interactions.</p> <p>c.2. Monitor and adjust potent drug doses.</p> <p>c.3. Design a complete therapeutic plan for provided cases</p>

<p>d. General and Transferable Skills</p>	<p>d.1. Solve patient problems.</p> <p>d.2. Acquire necessary communication skills with both and other different health care professionals.</p>			
<p>4-Course Contents</p>	<p>Topics</p>	<p>No. of hours</p>	<p>Lectures</p>	<p>Practical</p>
	Introduction to Clinical Pharmacy	3	2	1
	Swine flu	3	2	1
	Respiratory system	3	2	1
	Bronchial asthma	3	2	1
	Cardiovascular diseases	3	2	1
	Heart failure	3	2	1
	Hypertension	3	2	1
	Angina	3	3	1
	Acute kidney injury	3	2	1
	Chronic kidney disease	3	2	1
	Urinary tract infection	3	2	1
	Peptic ulcer	3	2	1
	Total	36	24	12
<p>5- Teaching and learning Strategies</p>	<p>5.1 Lectures</p> <p>5.2. Practical laboratory sessions</p> <p>5.3. Tutorial</p> <p>5.4. Students oral presentations</p>			
<p>6- Teaching and learning Methods for Special Needs Students.</p>				
<p>7- Student Assessment Methods</p>				
<p>a-Methods</p>	<p>7.1 Laboratory work (practical sections activities).</p> <p>7.2. Quiz.</p> <p>7.3. Practical examination.</p>			

	7.4. Final written and oral examinations		
b- Assessment Schedule	Assessment 1: Practical Session Activities Week: 1 – 11 Assessment 2: Quiz Week: 11 - 12 Assessment 2: Final-Term Practical Exam. Week: 13 - 14 Assessment 3: Final Written Exam. Week: 14 - 16 Assessment 4: Final Oral Exam. Week: 14 - 16		
c- Weighting of Assessment Marks	Type of Assessments	Marks	Weight (%)
	Semester work	5	2.5%
	Project	15	7.5%
	Final-Term Practical Exam	50	25%
	Final Written Exam	100	50%
	Final Oral Exam	30	15%
	Total	200	100%
8-List of References			
a.Notes	Course Notes: Clinical Pharmacy by staff members of the fifth year.		
b.Mandatory Books			
c.Suggested Books	Text Books: Pharmacotherapy, Clinical Pharmacy and therapeutics Applied therapeutics		
d.Journals	Annal of pharmacotherapy British medical journal New England journal of medicine		

Course Coordinators: Dr. mohmed emam

Head of department: Dr. mohmed emam

Date: