

Course Specification

Course Title	Advanced Pharmacotherapy 3	
Course Code	Tu10-6212	
Academic Year	Postgraduate students(clinical pharmacy diploma)	
Coordinator	Prof. Dr. Osama Ibrahim	
Teaching Staff	Prof. Dr. Osama Ibrahim Dr. Sahar El-Haggar	
Branch / Level	Diploma in Clinical Pharmacy	
Semester	Second	
Pre-Requisite	NA	
Course Delivery	Lecture	14×2 h lectures
	Practical	14X2 h practical
Parent Department	Clinical pharmacy	
Date of Approval	١٠/201٤	

1. Course Aims

Upon successful completion of this course the student should be to:

- Have an integrated approach to the formulation of valid clinical impressions based on patient presentation and supporting clinical and lab data.
- Predict the acid – base disturbances.
- Make a SOAP format from the patient clinical case study.
- Understand the therapeutic options for certain diseases such as hypertension, heart failure and hyperlipidemia.
- Recognize the pathophysiology and treatment of Angina, Myocardial infarction (MI), asthma and chronic obstructive pulmonary disease (COPD).
- Define the Drug related problems in geriatrics.
- Evaluate the different types of coagulation disorders.
- Identify the different types of drug categories related to pregnancy.

2. Intended Learning outcomes (ILOs)

A. Knowledge and understanding:

Upon successful completion of this course the student must demonstrate comprehensive knowledge and clear understanding of:

- A1. Clinical pharmacy services and activities.
- A2. The components of SOAP format of the case studies .
- A3. The causes, risk factors and treatment options of hypertension, heart failure and hyperlipidemia.
- A4. The principles of acid base disturbances.
- A5. The treatment of Angina, MI, Asthma and COPD.
- A6. Drug related problems in geriatrics.
- A7. Types of coagulation disorders.
- A8. The drug's safety for pregnant women and pediatrics.

B. Intellectual skills:

By the end of this course, the students should be able to:

Diploma in Clinical Pharmacy

- B1. Assess problems and reach logical decisions taking into account patient total picture.
B2. Recognize the best therapeutic regimen based on specific patient needs.
B3. Assess patient physical parameters that will be useful in monitoring pharmacotherapy
B4. Select the drug of choice, other commonly used drugs for such condition, monitoring adverse drug reactions.

C. Professional and practical skills:

By the end of this course, the students should be able to:

- C1. Deal with the laboratory and physical assessment parameters that will be useful in monitoring pharmacotherapy
C2. Assist in Selecting the drug of choice, other commonly used drugs for such condition, monitoring adverse drug reactions.
C3. Monitor pharmacotherapy.
C4. Employ a systemic problem solving approach to select the therapeutic regimen based on the patient condition.

D. General and transferable skills:

By the end of this course, the students should be able to

- D1. Retrieve information from different sources.
D2. Use internet.

3. Course Contents

Week	Topics
1	Introduction, Clinical Pharmacy services and activities
2	Soap
3	Hypertension-1
4	Hypertension-2
5	Heart failure
6	Hyperlipidemia
7	Acid- base disturbance
8	Angina/ Acute myocardial infarction
9	Asthma-1
10	Asthma-2
11	COPD
12	Geriatrics
13	Pediatrics
14	Pregnancy & lactation

4. Teaching and Learning Methods

Lectures using Data show for power point presentation
Hand Out- Website

5. Student Assessment

Assessment Method	Assessment Length	Schedule	Proportion
Written Examination	3 hours	End of semester	60%
Oral Assessment	----	After the written exam	10%
Practical Examination	Σ 0 min	-----	30%
Semester work	NA	NA	NA

6. List of references

Course notes:

Essential Books:

Parmacotherapy 10th edition, 2013.

Web sites:

www.pubmed.com.

www.medscape.com.

www.Guidelines.org.

7. Facilities required for teaching and learning

Computers and data show

	Course Coordinator	Head of Department
Name	Prof. Dr. Osama Ibrahim.	Prof. Dr. Osama Ibrahim.
Name (Arabic)	أ. د. أسامة إبراهيم	أ. د. أسامة إبراهيم
Signature		
Date	/9 /2014	/ 9 /2014