Case studies in therapeutics 2 (1203430)

<table>
<thead>
<tr>
<th>Credit hours</th>
<th>1</th>
<th>Level</th>
<th>4th year Pharm D students</th>
<th>Pre-requisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinator/ Lecturer</td>
<td>Ph.</td>
<td>Office number</td>
<td>108</td>
<td>Office phone 5355000/EXT23340</td>
</tr>
<tr>
<td>Course instructors:</td>
<td>Ph. Saba Madain</td>
<td>E-mail</td>
<td></td>
<td>Place Faculty of pharmacy</td>
</tr>
</tbody>
</table>

Office hours

<table>
<thead>
<tr>
<th>Day/Time</th>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10-11</td>
<td>10-11</td>
<td>10-11</td>
<td>10-11</td>
<td>11-12</td>
</tr>
</tbody>
</table>

Course Description

This course is directed toward introducing students to Pharmaceutical Care. Students will use simulated clinical cases to develop the students’ ability to assess patients conditions, determine reasonable treatment alternatives, select appropriate therapy and monitoring parameters, and to justify those choices by utilizing knowledge & skills acquired in therapeutics.

Learning Objectives

- To understand steps of Pharmaceutical Care.

- To classify and analyze the problems properly according to the classification system in the manual.

- To write" Pharmacist Care Plan" and "Pharmacist monitoring sheet".

- To apply all skills learned previously.

Intended Learning Outcomes (ILOs):

A. Knowledge and Understanding:
A1- How to write" Pharmacist Care Plan"

A2-Learn about the most important topics:

(Diabetes mellitus, Hypertension, ..........)
B. Intellectual Analytical and Cognitive Skills: Student is expected to
B1.-Learn how to assess abnormalities in Lab tests.
B2.-Learn how to calculate ideal body weight and body mass index
B3.-Learn how to Assess Kidney function and Liver function
B4.-Learn about basic internet-web browsing skills needed to obtain guidelines treatment of various diseases encountered during rotations as well as to drug databases.

C. Subject-Specific Skills:
1. practice solving basic pharmaceutical problems.
2. To stimulate the processes of group discussion, teamwork, and synergy in finding answers to basic and clinical questions arising from case study.
3. To continue to use the process of group-based problem solving for basic and therapeutic questions arising from structured case situations.
4. To aid students’ independent problem-solving abilities through learning how to find and use existing resources with a particular emphasis on the use of current literature.
5. To stimulate long-term learning of pharmaceutical information that may or may not be covered in the didactic pharmacotherapeutics courses.
6. To learn to give effective patient education

ILOs: Learning and Evaluation Methods

<table>
<thead>
<tr>
<th>ILO/s</th>
<th>Learning Methods</th>
<th>Evaluation Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+B+C</td>
<td>Lectures, Group discussions, Homework, Assignments.</td>
<td>Exams Quizzes Assignments.</td>
</tr>
</tbody>
</table>
# Course Contents

<table>
<thead>
<tr>
<th>Content</th>
<th>Reference</th>
<th>LAB#</th>
<th>ILO/s</th>
</tr>
</thead>
</table>
| 1-Introduction  
a. Introduction to the course  
2-pharmacotherapy - a pathophysiologic approach 8th edition | 1 | To aid students’ independent problem-solving abilities through learning how to find and use existing resources with a particular emphasis on the use of current literature |
| 2-asthma | Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To improve students presentation skills |
| 3-COPD | Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition | 2 | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To improve students presentation skills |
| 5-AKI | Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition | 4 | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To practice |
| 6-CKD   | Koda-Kimble MA and Young LY, et al. (eds), Applied Therapeutics: The Clinical Use of Drugs, 10th ed. Lippincott Williams & Wilkins, Baltimore, MD. | 5 | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To improve students presentation skills |
|---------|----------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------|
| 7-Epilepsy | Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition                                                  | 6 | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To improve students presentation skills |
| 8-stroke | Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition                                                  | 7 | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To improve students presentation skills |
| 9-pneumonia | Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition                                                  | 8 | -Learn about the most important topics  
-To practice solving basic pharmaceutical problems.  
-To improve students presentation skills |
10-

Schwinghammer, T.L., Pharmacotherapy Casebook - A Patient-Focused Approach, 8th Edition

9

-Learn about the most important topics
-To practice solving basic pharmaceutical problems.
-To improve students presentation skills

Midterm Exam

Exam consists of three cases, The exam will cover all material covered in lectures.

Final exam

Exam consists of three cases, The exam will cover all material covered in lectures.

Learning Methodolog:

1-Lectures
2-Group discussions
3-Homeworks, Assignments.
4-Quizes

Evaluation

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Point %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmacy care plan worksheet</td>
<td>10%</td>
</tr>
<tr>
<td>evaluation</td>
<td>5%</td>
</tr>
<tr>
<td>Case study presentations</td>
<td>15%</td>
</tr>
<tr>
<td>quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Final exam</td>
<td>30%</td>
</tr>
</tbody>
</table>

Main Reference/s:

3- Koda-Kimble MA and Young LY, et al. (eds), Applied Therapeutics: The Clinical Use of Drugs, 10th ed. Lippincott Williams & Wilkins, Baltimore, MD. ISBN/ISSN: 9781609137137

4- www.uptodate.com
5- Pharmacotherapy - a pathophysiologic approach 8th edition ISBN 9780071478991