

PHCL 416 (3+0)
Pharmacotherapy I
Course Syllabus

COURSE COORDINATOR/TEACHING FACULTY	
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Course Time and Location

Time: Tuesdays 10 am – 12 noon & 1-2 pm

Place: Auditorium 8A

Course Description

This course introduces the clinical use of medication in the prevention & treatment of disease and serves as a foundation for the delivery of pharmaceutical care. Pharmacotherapy I serve the needs of all future pharmacists by focusing on core chronic disease states. This course briefly reviews the pharmacotherapy of various diseases with primary focus on applying therapeutic knowledge to care for patients with such diseases.

Course Objectives

At the completion of this course the student should be able to:

- 1- Understand the basic mechanisms of selected diseases and interpret these mechanisms in relation to drug therapy
- 2- Recognize major signs and symptoms of selected disease states
- 3- Integrate pharmacology, pathophysiology, pharmacodynamic, pharmacokinetics and other biomedical and pharmaceutical sciences as they pertain to clinical therapeutics of certain disorders.
- 4- Select and recommend appropriate patient focused drug therapy treatment plans.
- 5- Apply treatment guidelines and protocols for selected patient populations.
- 6- Evaluate the appropriateness of patient specific drug therapy regimen and treatment plans.

- 7- Monitor expected therapeutic outcomes and potential adverse effects of drug therapy.
- 8- Use problem solving skills and knowledge to solve therapeutic cases.

Detailed objectives of each topic will be provided by each lecturer during class.

Reading Material

Course materials:

- Handouts including copies of PowerPoint slides from lectures
- Guidelines and articles as specified by the instructor
- Pharmacotherapy: A Pathophysiologic Approach. 8th ed. DiPiro JT (Eds). New York , NY, The McGraw-Hill Co., Inc.
- L.Y. Young MAK-K, et. al., ed. *Applied Therapeutics: Clinical Use of Drugs*. Vancouver: Applied Therapeutics, Inc.
- Textbook of Therapeutics: Drug and Disease Management, Eighth Edition edited by Richard A. Helms.
- For Cardiovascular module:
 - Pharmacotherapy Principles & Practice. 2nd ed. Chishlom-Burns (Eds). NewYork, The McGraw-Hill Co., Inc.

Availability of copies of the required chapters will be arranged by each lecturer
Supplemental materials will be provided by each lecturer during class.

Course Outline

Below is an outline of the content and activities of the course.

Date Hijri	Date G	Week	# Hours	Lecturer	Topic
17/10	4/9	1	1	B	Hepatitis
			2	B	Hepatitis
			3	B	Hepatitis
24/10	11/9	2	4	B	Cirrhosis
			5	B	Cirrhosis
			6	B	PUD (GERD, H. pylori)
2/11	18/9	3	7	B	PUD (GERD, H. pylori)
			8	B	Cases
			9	B	RA/OA
9/11	25/9	4	10	B	RA/OA
			11	B	RA/OA
			12	J	Connective tissue & joint disorders: Osteoporosis
16/11	2/10	5	13	J	Connective tissue & joint disorders: Osteoporosis
			14	J	Connective tissue & joint disorders: Gout

Week 5 Tuesday 16/11/1433H (2/10/2012) 12-1pm 1st Exam (lectures 1-11) 20 points					
			15	J	Connective tissue & joint disorders: Gout
23/11	9/10	6	16	J	Cases
			17	J	DM
			18	J	DM
30/11	16/10	7	19	J	DM
			20	J	DM
			21	J	Cases
Weeks 8 & 9 Hajj Break					
21/12	6/11	10	22	L	Thyroid Disorders
			23	L	Thyroid Disorders
			24	L	Thyroid Disorders
28/12	13/11	11	25	L	Asthma
			26	L	Asthma
Week 11 Tuesday 28/12/1433H (13/11/2012) 12-1pm 2nd Exam (lectures 12-21) 20 points					
			27	L	Asthma
6/1	20/11	12	28	L	COPD
			29	L	COPD
			30	L	Cases
13/1	27/11	13	31	N	Anticoagulation
			32	N	Anticoagulation
			33	N	Anticoagulation
20/1	4/12	14	34	N	Cases
			35	N	Dyslipidemia
			36	N	Dyslipidemia
27/1	11/12	15	37	N	Hypertension
			38	N	Hypertension
Week 15 Tuesday 27/1/1434H (11/12/2012) 12-1pm 3rd Exam (lectures 22-30) 20 points					
			39	N	Cases
5/2	18/12	16	40	S	Ischemic Heart Disease
			41	S	Ischemic Heart Disease
			42	S	Cases
12/2	25/12	17	43	S	Heart Failure
			44	S	Heart Failure
			45	S	Heart Failure
Final exam (Lectures 30-45) According to College Schedule					

B=I. Basma/J=I. Jamila/L=Dr. Lina/N=I. Nahla/S= I. Saja

COURSE POLICIES

a. Course Format:

During this course the following mode of teaching can be used: formal and informal Lectures, discussion, debates.

B. Exam Format:

Written exams mainly consist of, but not limited to: one correct answer multiple choice questions, true/false, short notes (one sentence), matching, organize a list and fill in blanks (one word). The majority of exam content will be mainly based on case scenarios.

There will be an average of 4 questions from each lecture hour, to be submitted by the lecturer and finalized by the course coordinator. Questions will be based on the lecture objectives and focus on pharmacotherapy (rather than epidemiology or pathophysiology)

C. Late assignments/homework Policy or missed Quizzes/Midterm exams:

- Late assignments/homework will be penalized by **5% reduction** in grade **per each passing day.**
- the instructor has the right to determine the method for midterm make up exam by:
 - increasing the percentage of the remaining exams to cover the missed exam
 - assigning the final exam a higher percentage to cover the missed exam
 - a make-up exam (not the original exam)
 - If the final is cumulative, the section relating to the missed examination material can be used as the grade for that missed exam.
 - Make up exam should be performed within 2 weeks of absence per University policy and provided with required documents. Students who fail to communicate with the instructor to take the exam within 2 weeks of absence renounce their right of makeup exam per University policy

D. Assessment tools:

- Exams
- Assignments
- Informal presentations
- Case presentation

E. Grade Policy and distribution:

Dr. Basma's Part	20 points	<i>According to specific dates assigned in schedule & Observe College final Exam schedule for the specific date</i>
Dr. Jamila's Part	20 points	
Dr. Lina's Part	20 points	
Drs. Nahla's & Saja's parts	40 Points	
Total grades for course	100 points	

F. Attendance Policy:

Students are expected to prepare for, attend and participate in all lectures. Attendance records and /or pop-quizzes for bonus points may be taken at any time. Attendance of this class is mandatory. Student should exercise punctuality in attending classes.

A student absent from class bears full responsibility for all material covered in class. Quizzes may be given anytime during the class period; therefore, please be on time and plan to attend the entire period. Late arrivals or early departures that miss a quiz will not be permitted a makeup. If you anticipate having to leave class early, please let your instructor know before the beginning of class.

Unprofessional conduct including misbehavior during lectures will not be tolerated and may result in actions leading up to dismissal from the course. This includes but is not limited to arriving late or leaving early, talking between students during lectures, cell phone use and other disruptive behavior or sounds.

Instructor has the right to deny late comers from attending. Students missing 25% or more on attendance are forbidden from sitting in the final exam, per University Policy. Students have the right to present documents of proof for their absences. Students should submit such documents to College Academic Counsel to authenticate as per University Policy.

G. Academic Dishonesty/plagiarism

Students are expected to demonstrate professionalism and honesty during this course. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Students found in violation of such policy are subjected to disciplinary actions as per University Policy.

H. Syllabus Changes

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

I. Errors in Grading

Errors in grading must be adjudicated by the instructor. If you believe that your work has been incorrectly graded (e.g. points were added up incorrectly), you must contact the instructor in writing and clearly state the error you believe has occurred. The instructor of the course will always determine the final grade. Grade change requests after the end of the term are further limited by the University's policies.

J. E-mail Policy

Please note that the following applies to all emails sent to any member of PHCL 416 course instructors.

- Students should include their **name, course number and lecture section** in every email. If we don't know who you are, your email may not get a response.
- All emails should be sent from your **KSU account** (not from hotmail.com, gmail.com, yahoo.com or any other non-KSU host). Students who don't have a KSU account are advised to seek one immediately.
 - Each email must have a subject title indicating the purpose of the email
 - Body of the email:
 - Email text should be written in **OFFICIAL** Arabic, or in proper English.
 - English terms should be written in English or a proper translation should be used. Terms such as **كيس بريزن تاشن** are NOT allowed.
 - Each email should be started with : Dear Dr. Ashour, etc. You should end your email as follow: Respectfully, (then state your full name)
 - Emails not fulfilling ALL of the above will not be recognized
 - If you are submitting a homework, you should receive a confirmation within 24-48 hrs, if not please see the instructor **in person** for clarification (don't re-Email unless asked to)
- Mail from instructors to students will be sent to the class leader only who has the responsibility to forward to all students.
- Questions about lectures, homework and course organization may be sent to a specific course instructor's email address.
- Emails should not be used to discuss personal problems, issues with grades, or problems with other students or other instructors. These emails will not be responded to, and these issues should be discussed in person.
- Emails not related to the course should not be sent to the instructors and if they are, no further emails will be received from that email address.

K. Course Evaluation

An evaluation of the full course and course faculty will be administered towards the end of the course. Additionally, individual instructors or module coordinator may ask for an evaluation of their lecture(s)/modules.

L. Course binding agreement

The Course binding agreement has to be signed by each student and returned through the class leader to the course instructor before the second lecture. Failure to do that will prevent student from attending further classes.

Course binding agreement

"I have read this syllabus, understand its implications (and have sought clarification of those parts that were unclear to me), and will abide by it. I understand that the course coordinator has the right to make alterations to the class and exam schedule as needed."

Name of Student: _____

University ID: _____

Signature of Student: _____

Date _____

To Student: Please fill and submit this PAGE by Week 2 to class leader.