



King Saud University
College of Pharmacy
Medication therapy management-2
Course Syllabus

I. GENERAL INFORMATION

Course Number: PHCL 492

Course Title	Medication therapy management-2
Lecture Hours Per Week	2
Credit Hours Per Semester	2 (2+0)
Admission Particulars	Pre-requisites: Medication therapy management-1-PHCL 436 Co-requisites: None
Course Director:	Dr. Mansour Almetwazi, BScPharm, PharmD, PhD. Assistant professor, clinical pharmacy department Office Location: 1A201 Phone: 00966114698081 Email: mmetwazi@ksu.edu.sa Office hours: by appointment Dr. Lobna Aljuffali , MSc, PhD. Assistant professor, Clinical pharmacy department Office Location: 3 rd Floor, room 29 Phone: 011 8052701 Email : laljaffali@ksu.edu.sa Office hours: by appointment
Clock hours & Locations:	Days and time: Monday 1:00 -3:00 PM Male campus: TBC Female campus: TBC

II. PARTICIPATING FACULTY

Dr. Norah Othman Abanmy, MSc, PhD
Position: Associate Professor, Clinical pharmacy department
Office Location: 3rd Floor, room 33
Phone:
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Office hours: by appointment.

Dr. Omar Almohammed, BPharm, PharmD, PhD.
Position: Assistant Professor, Clinical Pharmacy Department
Office Location: TBA
Phone: TBA
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Office hours: by appointment

III. COURSE DESCRIPTION

Patient safety Course (PHCL 492) is based on the patient safety Curriculum Guide Multi-professional edition designed by the World Health organisation (WHO). This Curriculum Guide equips students with essential knowledge of patient safety, as well as describing the necessary skills and behaviours to help them perform all their professional activities safely.



The WHO Curriculum Guide is a comprehensive programme for effective student learning about patient safety. It highlights the key risks of health care and how to manage them, shows how to recognize adverse events and hazards, report and analyse them. It teaches about team-work and the importance of clear communication across all levels of health care, whilst emphasizing the importance of engaging with patients and carers to build and sustain a culture of patient safety. It involves eleven safety topics : What is patient safety?, Why applying human factors is important for patient safety?, Understanding systems and the effect of complexity on patient care ,Being an effective team player ,Learning from errors to prevent harm , Understanding and managing clinical risk , Using quality-improvement methods to improve care ,Engaging with patients and carers ,Infection prevention and control ,Patient safety and invasive procedures and Improving medication safety.

IV. COURSE OBJECTIVES

1. To understand the discipline of patient safety and its role in minimizing the incidence and impact of adverse events, as well as maximizing recovery from these events.
2. To prepare students for safe practice in the workplace;
3. Participate in the pharmaceutical care system's process for reporting and managing medication errors and adverse drug reactions.

V. COURSE ABILITY OUTCOMES

After studying this course, the student is expected to be able to:

1. Identify and report medication errors and adverse drug reactions to appropriate individuals and organizations (including institutional and federal).
2. Evaluate information obtained from adverse drug reaction and medication error reporting systems to identify preventable causes.
3. Recommend and implement actions to minimize the occurrence of adverse drug reactions and medication errors.
4. Communicate and collaborate with prescribers, patients, caregivers, and other involved health care providers to engender a team approach to patient care.

VI. RESOURCES

1. Patient safety Curriculum Guide Multi-professional edition
http://apps.who.int/iris/bitstream/handle/10665/44641/9789241501958_eng.pdf?sequence=1
2. Robert Wacher Understanding Patient Safety Mc Graw-Hill Professional 2007
3. Segal R Preventing medication Errors and improving drugs therapy outcomes; a management system approach CRC press 2003

REQUIRED INSTRUCTIONAL MATERIALS:

- All supplemental materials will be available to students electronically through blackboard. Class handouts and patient cases (when applicable) will be posted on the KSU blackboard server (<https://lms.ksu.edu.sa/>) at least 24 hours prior to the scheduled session date. It is the student responsibility to check the blackboard site regularly for any updates.

VII. COURSE POLICIES

A. 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.
- Please read the manual of study and tests for undergraduate students and operational rule (لائحة الدراسة والاختبارات للمرحلة الجامعية والقواعد التنفيذية المعتمدة) <http://dar.ksu.edu.sa/Regulations>
- Please read the manual of students rights and duties (لائحة تأديب الطلاب بجامعة الملك سعود) <http://dar.ksu.edu.sa/Regulations>

B. CLASS PARTICIPATION AND PROFESSIONALISM

- It is expected that all students come to class prepared by completing where applicable all assigned readings, online homework, and other assignments before class and ready to actively participate in classroom activities. Faculty will clarify and expand on the reading material. Use of phones is prohibited during class.

C. GUIDELINES FOR E-MAIL COMMUNICATION

- E-mail is often perceived as an informal method of communicating, but some basic rules of style or etiquette are expected. In general, rules of common courtesy for interaction with people should be used for any situation and on the internet it is especially important where, for example, body language and tone of voice must be inferred.
 1. **All emails should be sent from your KSU account ONLY**
 2. Mail should have a subject heading which reflects the content of the message.
 3. Your message should begin with an appropriate salutation, including the name of the person being addressed, and end with the full name of sender.
 4. Use mixed case and proper punctuation.
 5. Current e-mail addresses for all students must be maintained in the Blackboard system. Each student must edit this in the "Personal Information" section of "Tools". Faculty will not be able to contact you if your email address is not updated and you could miss important information about courses.
 6. **Check your e-mail daily.** Most information and communication from instructors will come via e-mail or will be posted on Blackboard under announcements.
 7. **Failure to check email/Blackboard may result in you missing important assignments and subsequently affect your grade.**

8. Direct your request to the appropriate person, as indicated below. Please note that discussion board posts are preferred whenever your questions do not involve personal matters to reduce the number of individual emails.
- **Questions concerning lecture content:**
 - First, post your question on the **discussion board of Blackboard**. All faculty teaching in this course have access to blackboard and will reply to questions posted. Other students may have the same question that you have or may have the answer. Please allow adequate time for faculty to respond.
 - Inquire if the faculty member teaching that lecture has office hours and try to attend.
 - If neither of the above steps adequately answers your question, email the faculty member teaching that lecture.
 - **General course questions or if you are unsure of where to direct questions:**
 - Contact the Course Director if your question involves a personal matter. Post general course related questions on the **discussion board** dedicated to the overall course logistics.
 - **DO NOT** send message to "All Instructors".

D. ATTENDANCE AND EXCUSED ABSENCE

- In the case of illness or prolonged absence, it is the student's responsibility to notify the faculty member and/or the Course Director within 5 days from the first date of absence. Exceptions to the five day notification period are rare and can only be approved by the Vice Dean of Academic Affairs. With acceptable documentation from a student, an official memorandum will be issued notifying faculty of an excused absence. In the case of a legitimate excused absence, course instructors will make all reasonable attempts to assist the student to satisfy requirements of the course.
- Students missing 25% or more on attendance are forbidden from setting in the final exam per University Policy.
- If a student missed a midterm exam for an **ELIGIBLE** reason, Student must submit proper documentation within 7 weeks of scheduled exam time to the faculty member and the course coordinator.
- For any missed exams, student should fill a make-up exam form (pick up from department secretary) and obtain the necessary signatures and approvals from faculty member, the course director and head of the department.
- The faculty member has the right to determine the method for make-up exam, which can be any of the following:
 - Increasing the percentage of the remaining exams to cover the missed exam
 - Assigning the final exam a higher percentage to cover the missed exam for that student
 - A make-up exam (the exam will be based on short answer questions)

- If the final is cumulative, the section relating to the missed examination material can be used as the grade for that missed exam.

VIII. EXAMINATION AND GRADING CRITERIA

A. Two midterm exams; mostly composed of multiple choice questions and true and false. Topics for each midterm and final are shown in the course schedule.

B. Take home Exam: A take home exam will be given to student. The materials, Date and time will be determined later.

C. ASSIGNMENTS: each student is required to submit the activity/assignment after each class. The activity might be requested to submitted during the class.

D. Portfolio: The aim of this activity is to involve the student in the assessment process, increases student responsibility of self-learning, stimulates critical thinking skills, allows students to monitor and reflect on their progress and helps us as instructors to develop this activity. After each class, student has to write a reflection diary about the class. Instruction about this activity will be provided to the students.

For more details, please contact course coordinators.

E. GRADE DISTRIBUTION

Midterm (two midterms)	30 (15X2)	30%
Assignments and Participation	15	15%
Take home exam	5	5%
Portfolio	10	10%
Final Exam	40	40%
Total	100	100%

F. CONFLICT RESOLUTION:

- Any issues related to this course teaching, examinations and grading should be resolved with the course instructor promptly to ensure healthy learning atmosphere.
- Unresolved matter should be directed to the course coordinator. If matter is not yet resolved, please direct your complaint to the department head/Vice Head.

G. CHANGE IN THE COURSE SYLLABUS OR GRADE DISTRIBUTION: students will be notified with any changes to the course syllabus or grade distribution.

H. GRADING SCALE: grades will be earned based on KSU grading policy. the following scale:

Letter Grade	Score Achieved	Letter Grade	Score Achieved
A+	> 95%	C+	75 - 79.99 %
A	90 - 94.99 %	C	70 - 74.99 %
B+	85 - 89.99 %	D+	65 - 69.99 %
B	80 - 84.99 %	D	60- 64.99 %
		F	< 60%

I. COURSE SCHEDULE

Week#	Date Hijri	Date Gregorian	Topic of lecture	Presenter
Week 1	1 Jum I	7 January	Topic 1: What is patient safety?	MM/LJ
Week 2	8 Jum I	14 January	Topic 2: Why applying human factors is important for patient safety	MM/LJ
Week 3	15 Jum I	21 January	Topic 3: Understanding systems and the effect of complexity on patient care	MM/LJ
Week 4	22 Jum I	28 January	Topic 4: Being an effective team player	AA/LJ
Week 5	29 Jum I	4 February	Topic 5: Learning from errors to prevent harm	OA/LJ
Week 6	6 Jum II	11 February	Topic 6: Understanding and managing clinical risk	OA/LJ
Week 7	13 Jum II	18 February	Midterm Exam 1	Topics WK 1, 2, 3
Week 8	20 Jum II	25 February	Topic 7: Using quality-improvement methods to improve care	/LJ
Week 9	27 Jum II	4 March	Topic 8: Engaging with patients and careers	/NA
Week 10	4 Raj	11 March	Topic 9: Infection prevention and control	/NA
Week 11	11 Raj	18 March	Topic 11: Improving medication safety: <ul style="list-style-type: none"> ADEs: Overview, Culture of Safety & Classification, Reporting ADE ADE Detection Tools: Observation, Trigger tools 	MM/NA
Week 12	18 Raj	25 March	Midterm Exam 2	Topic WK 4, 5, 6,
Week 13	25 Raj	1 April	Topic 11: Improving medication safety: <ul style="list-style-type: none"> Prescribing, Dispensing & Administration Errors Technology Interventions Non Technology Interventions 	MM/NA
Week 14	3 Sha	8 April	Topic 11: Improving medication safety: <ul style="list-style-type: none"> Medication safety officer- Role of Pharmacist 	MM/NA
Final				Topic WK 8, 9, 10, 11, 13, & 14

MM: Dr.Mansour Almetwazi; LJ: Dr. Lobna Aljuffali; NA: Dr. Nora Abanmy, OA: Dr. Omar Almohammed



Course Binding Agreement (PHCL 492)

The Course binding agreement has to be signed by each student and returned through the class leader to the course instructor before the third lecture. *Failure to submit this paper will attest to the student had read and agreed on the information contained therein.*

"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 _____