

PHPR 630: DRUG INFORMATION AND LITERATURE EVALUATION

Spring 2019, Tuesday 1100-1150

Rooms 3020 (Lawrence) and 2304 (Wichita)

INSTRUCTOR

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COURSE DESCRIPTION

This course will review the fundamental tools used to identify drug information in primary, secondary and tertiary resources. Students will learn to utilize electronic resources to formulate an accurate and complete response to drug information questions. In addition, students will learn to critically appraise biomedical literature through journal club. Upon completion of this course, students will be able to understand the strengths and weaknesses of the drug information resources and apply drug information skills to clinical practice relevant to patient care.

COURSE MATERIALS

Materials for this course will be posted on the Blackboard website prior to the lecture. The materials can vary between PowerPoint slides, handouts, and journal articles relevant to the topics presented in class.

Students may use the following book to assist with interpreting statistical tests: Aparasu RR, Bently JP. Principles of Research Design and Drug Literature Evaluation. 1st ed. Burlington, MA: Jones & Bartlett Learning; 2015.

GRADING

The course grade will be based on points earned from:

- 5 Quizzes (10 points each)
- 4 In class Assignments (10 points each)
- Drug Monograph Assignment (40 points)
- Journal Club template (20 points)
- Journal Club presentation (45 points)
- DI Activity (45 points)
- Comprehensive final exam (60 points)
- Total points for the course: **300 points**
 - Letter grade breakdown (no rounding):
 - A=≥270 points**
 - B=≥240 points**
 - C=≥210 points**
 - F=≤209 points**

NOTE: There is not a D in this course. Also, there will be no rounding even if your final grade is 0.99999 away from the next letter grade (i.e. 89.99999 would equal a B in the course).

COURSE EXPECTATIONS

Professionalism

- **You have entered a career path that mandates professionalism; therefore, you are expected to conduct yourself as a professional in the classroom and *via* email.** Students will be respectful, and address all lecturers as “Dr.” or “Professor” in person and electronic communications. Talking, texting or other disruptive behavior during lecture is rude to the instructor, and inhibits other students from learning. Students should not attend class unless they intend to listen and participate in discussion. **All non-approved electronic devices should be turned off during class.** The instructor may confiscate any device that disrupts the class. Individuals who disrupt or obstruct teaching may be subject to discipline for either academic misconduct or non-academic misconduct against the orderly process of the University. Professional behavior is also imperative when reviewing exam/quiz questions. Collegial discussion is appropriate to promote learning; however, a disrespectful and argumentative tone is considered unprofessional behavior.

Assessments

- Quiz, assignment and test questions may be a mixture of multiple choice, fill in the blanks and/or short answers depending on the topics presented in the previous lectures. The different types of questions are to help you achieve a higher order of learning and prepare you to answer questions independently in practice.
- ***Quizzes***
 - All quizzes for the course will be ‘outside of class’ and will be due prior to the next class period.
 - **The quizzes must be completed and submitted individually.** This is not a group activity. Even though quizzes are completed outside of class, you may not work on the quiz with any other student. If there is evidence that students cheated on any of the quizzes, a zero will be given to the respective quizzes.
 - You will have one week to submit your quizzes; therefore, late submissions of any quiz will not be accepted.
 - **NOTE:** Points will not be awarded for individual interpretation of lecture content or arguments based upon content or materials not used by the instructor for the lecture(s).
 - **Quizzes may be comprehensive and include topics presented from previous lectures.**
 - No questions regarding the content or interpretation of quiz questions will be answered. Instructors will address only questions regarding mistakes or typographical errors in questions.
- ***Assignments***
 - There are four assignments for the course and each assignment must be turned in at the end of the class period in order to receive credit. You will be able to work with your group to generate responses to the questions on the assignments. There are no make up for any of the in-class assignments.
 - Late submissions of other assignments will not be accepted and students will receive a zero for the assignment(s).
- ***Exam***

- Once the exam starts, you will not be permitted to leave the room to go to the restroom etc. prior to turning in your exam (except for emergencies as judged by the proctors).
- During the exam, no questions regarding the content or interpretation of test questions will be answered. Instructors will address only questions regarding mistakes or typographical errors in questions.
- **The student will be given a 0 for the exam if the uncompleted exam is taken out of the room.**
- **NOTE:** Points will not be awarded for individual interpretation of lecture content or arguments based upon content or materials not used by the instructor for the lecture(s).
- The exam must be uploaded to ExamSoft's servers and the confirmed upload screen (i.e. green screen) must be shown to the proctor at the end of the exam period before leaving the room.
- If you have questions about quizzes, assignments or grades, you may set up an appointment outside of class with the course coordinator to discuss it.

Lecture recordings

- The lecture recordings for this course will not be posted. If you are absent for a group discussion or lecture, you may request notes from a fellow classmate.

POLICIES

- ***Absences:*** Any absences that result in a missed assignment or quiz for a non-School of Pharmacy-approved reason will receive a grade of zero, unless an acceptable documented reason for the absence (e.g. serious illness, death in the immediate family, accident) is presented to the instructor in a timely manner (preferably before the activity or no later than 24 hours following the activity in question). Students are expected to make every effort to clear an authorized absence as soon as possible.
- ***Technology Policy:*** It is your responsibility to bring your iPad to class daily, charged, and ready for use (IT services are available if needed). ExamSoft will be used for this course. If you do not bring your iPad on a day of an assignment is collected, you will receive a 0 for the activity. Exams and quizzes will be available for download before the quiz or exam.
- ***Intellectual Property:*** Course materials and the content of all lectures and review sessions are the property of the instructor. According to School of Pharmacy policies, audio, video, or still photograph recording during lectures or other activities associated with the course are strictly forbidden without the prior consent of the instructor. Recordings of lectures/review sessions may not be downloaded, modified or be transferred/transmitted to any other person, whether or not that individual is enrolled in the course. Violation of policy by posting, editing, or sharing any recordings will result in academic misconduct, penalty or point deductions.
- ***Commercial Note Taking Ventures:*** Pursuant to the University of Kansas' Policy on Commercial Note-Taking Ventures, commercial note-taking is not permitted in PHAR 630. Lecture notes and course materials may be taken for personal use, for the purpose of mastering the course material, and may not be sold to any person or entity in any form. Any student engaged in or contributing to the commercial exchange of notes or course materials will be subject to discipline, including academic misconduct charges, in accordance with University policy. Please

note: note-taking provided by a student volunteer for a student with a disability, as a reasonable accommodation under the ADA, is not the same as commercial note-taking and is not covered under this policy.

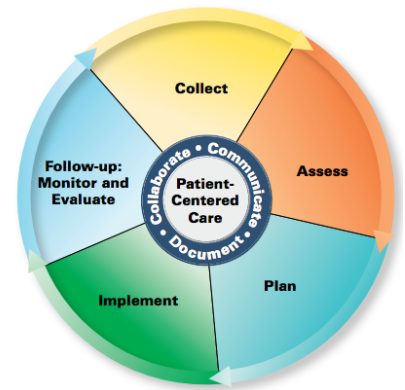
- ***Inclement Weather:*** The University determines whether or not to close the campus. University Relations will notify the Information Center and regional media, and a message will be placed on the inclement weather line (864-SNOW) and the KU Information Center line (864-3506). Students will be alerted through the text messaging system (make sure you are enrolled) or look at www.ku.edu. Make up lectures / activities will be announced at a future date. If a quiz was scheduled on a day when class was canceled, it will be rescheduled to the following class period. This policy applies to inclement weather only.
- ***Students with Disabilities:*** The Office of Disability Resources coordinates accommodations and services for KU students with disabilities. Students with a disability for which s/he may request accommodation in KU classes should contact course coordinator as soon as possible, so the class requirements can be discussed. Information regarding the Office of Disability Resources can be found at <http://www.disability.ku.edu/>, and they can be contacted by phone (785) 864-2620.
- ***Religious Conflicts:*** Students with religious conflicts with quiz/activity dates should inform the instructor as soon as possible at the beginning of the semester.
- ***Academic Misconduct, Cheating, and Plagiarism:*** In addition to the School of Pharmacy Student Honor Code, students are also reminded of the KU School of Pharmacy and the University of Kansas Policies regarding academic misconduct. Any student unfamiliar with these policies may obtain a copy of them from the Office of the Dean of the School of Pharmacy. Among other things, these policies state that the first offence of documented academic misconduct may result in a grade of F in the quiz, project, or the course. A second offence will likely result in expulsion from the School/University. Examples of academic misconduct include, but are not limited to: cheating on a quiz, plagiarism, and enabling another student to commit an act of academic misconduct. Infractions are serious breaches of ethical conduct and will be treated severely by following the protocols established for this purpose. Plagiarism is academic misconduct. When completing assignments or other class materials, it is imperative that you turn in your own work or reference the material appropriately. If you are aware of cheating or academic misconduct occurring in the course it is your responsibility to report it to the professor or your class honor council representative. For more information regarding the University Academic Misconduct policy, please see: <http://clas.ku.edu/undergrad/policies/policies>.
- ***Citations:*** All citations used in this course will follow the American Medical Association's Manual of Style (10th edition or newer). A copy of the manual is available in the Drug Information Center. Note that all writing assignments are subject to survey by plagiarism software.
- ***University Policy and Procedures:*** All School of Pharmacy policies and procedures outlined above are consistent with University of Kansas policies and procedures. At times, the School of Pharmacy policies and procedures may be more stringent than the University (<http://policy.ku.edu/pharmacy/student-handbook>).

- ***KU Weapons Policy:*** Safety measures outlined in the KU weapons policy specify that a concealed handgun:
 - Must be under the constant control of the carrier.
 - Must be out of view, concealed either on the body of the carrier, or backpack, purse, or bag in the immediate vicinity of the carrier.
 - Must be in a holster that covers the trigger area and secures any external hammer in an uncocked position
 - Must have the safety on, and have no round in the chamber.
 - This course takes place in spaces that will require students to leave belongings such as backpacks and purses away and unattended for the duration of class time. Students who choose to carry a concealed handgun in a purse, backpack, or bag must review and plan each day accordingly, and are responsible for making alternate arrangements as necessary. The university does not provide appropriate secured storage for concealed handguns. Individuals who violate the KU weapons policy may be asked to leave campus with the weapon and may face disciplinary action under the appropriate university code of conduct.

- ***Course Relevance to the Pharmacists' Patient Care Process (PPCP):***

Pharmacists are essential members of the healthcare team, providing high quality, cost-effective, and accessible healthcare. As the profession evolves and expands to clinically oriented patient care services, a consistent process of the provision of care is needed. The PPCP provides a framework for pharmacists to deliver and document patient care. More information can be found here:

<https://www.pharmacist.com/sites/default/files/files/PatientCareProcess.pdf>. This course will provide foundational material required for you to apply the PPCP to patient care in subsequent coursework and practice. When appropriate, faculty will highlight the connection between science and practice using this process.



SYLLABUS DISCLAIMER

This syllabus is intended to provide the student with a general description of this class. Activities and format for individual class sessions are at the discretion of the individual instructor. The instructor reserves the right to modify, supplement and make changes as the course needs arise. Students will be notified in a timely manner of any syllabus changes via email or in course announcements in blackboard.

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Tentative Schedule:

(NOTE: The schedule provided may subject to change during the course of the semester and any changes will be announced via Blackboard in a timely manner)

Date	Topic	
January 22, 2019	Syllabus Review /Refresher	
January 29, 2019	Drug Availability, Drug Drug Interactions, Drug Identification	In class activity #1
February 05, 2019	Pregnancy and Lactation, IV Compatibility	In class activity #2
February 12, 2019	<i>NO LECTURE</i>	
February 19, 2019	Natural Products and Miscellaneous Resources	In class activity #3
February 26, 2019	Systematic Searches <i>Dcipher Activity during lab hour (Lawrence Students)</i>	In class activity #4
March 05, 2019	Introduction to Journal Club and Evidence Based Medicine <i>Dcipher Activity during lab hour (Wichita Students)</i>	
March 12, 2019	<i>SPRING BREAK-NO CLASS</i>	
March 19, 2019	Journal Club (Example)	Quiz #1 Due; JC Template Due
March 26, 2019	Journal Club: Randomized Controlled Trial	Quiz #2 Due
April 02, 2019	Journal Club: Non-inferiority Trial	Quiz #3 Due
April 09, 2019	Journal Club: Meta-Analysis	Quiz #4 Due
April 16, 2019	Journal Club: Observational	Quiz #5 Due
April 23, 2019	Adverse Drug Reactions and Product Complaints	Drug Monograph Due
April 30, 2019	Drug Comparison Presentations	
May 07, 2019	Drug Comparison Presentations	
May 15, 2019	<i>FINAL EXAM: 11:00AM-1:30PM, Room 3020</i>	