Meeting Time, Place, Credits

Target audience: PD3 students
Credits: 2
Course Web Site: https://ay17.moodle.umn.edu/
Term: Fall 2018
Locations and Times:

<table>
<thead>
<tr>
<th>Section</th>
<th>Discussion Days &amp; Times</th>
<th>TC Room</th>
<th>D Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Section 002</td>
<td>Thursday 8:00-9:55am</td>
<td>Moos 1-450</td>
<td>LSci 163</td>
</tr>
<tr>
<td>(TC and Duluth)</td>
<td>Monday 8:00-9:55am (TC)</td>
<td>WDH 3-150</td>
<td>LSci 216</td>
</tr>
<tr>
<td></td>
<td>Monday 1:25-3:20 pm (Duluth)</td>
<td></td>
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<tr>
<td>Lab Section 003</td>
<td>Monday 10:10am-12:05pm (TC)</td>
<td>WDH 3-150</td>
<td>LSci 216</td>
</tr>
<tr>
<td>(TC and Duluth)</td>
<td>Monday 3:35-5:30 (Duluth)</td>
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<td></td>
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<tr>
<td>Lab Section 004</td>
<td>Monday 1:25-3:20pm</td>
<td>WDH 3-150</td>
<td>N/A</td>
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<tr>
<td>(TC only)</td>
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<tr>
<td>Lab Section 005</td>
<td>Monday 3:35-5:30pm</td>
<td>WDH 3-150</td>
<td>N/A</td>
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<tr>
<td>(TC only)</td>
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</tbody>
</table>

Course Instructional Team

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Teaching Assistants: See course website for roster and contact information
Overview of the course

Course content:
This course is the final stepping stone, complementing and building upon previous experiences within the pharmaceutical care learning center (PCLC) curriculum, as you reach full achievement and competency addressed in the goals of the PCLC. In addition, each learning activity in this course will include specific learning objectives outlined on each activity’s introduction.

The course consists of two components: a laboratory section and the Applied Pharmacokinetics discussion. Unlike previous lab courses, all lab materials are available at the beginning of the semester and labs may occur in a different order based on scheduling of the Pharmaceutical Care Clinic visit. Students will also read and participate in a book club discussion.

Applied Pharmacokinetics Discussion Section
The Applied Pharmacokinetics Discussion for the course meets once a week for 1 hour and 55 minutes. The purpose of the discussion is to apply your previous knowledge of pharmacokinetic principles and data to the clinical use of drugs. The discussion will include a lecture component as well as graded in-class quizzes. Ratings for the discussion portion of the course will be based on 3 graded in-class quizzes. Practice problems and notes can be used during the in-class quizzes. Ratings from these problem sets will be included in overall course assessments used for determination of S/N grading.

Book Club
Students will be reading *The Center Cannot Hold: My Journey Through Madness* by Elyn R. Saks throughout the semester and participate in an in-person discussion of the book during a discussion section.

Prerequisites

- Students must have successfully completed Pharmaceutical Care Skills Labs (Phar 6710, 6720, 6740 and 6750), Pharmaceutical Care Courses (Phar 6706 and 6716) and Pharmacokinetics (Phar 6738).
- Students who receive an N grade in this course are subject to Academic Standing Committee policy for progression.

Course Goals & Objectives

The courses included in the pharmaceutical care learning center curriculum span over six semesters. These courses build steadily on each other, until students have reached all of the goals for each course. Please refer to PCLC centralized syllabus for course goals and objectives. In addition, course goals for 6770 will also include:

**Applied Pharmacokinetics**
- Revisit PK concepts to strengthen understanding
- Apply PK concepts to patient scenarios and medications

This course may differ in certain aspects from your previous experiences in the PCLC. Previous experiences have involved lectures and labs including instruction and demonstration of skills prior to student assessment. While resources on the course website assist you in preparation for lab activities, you must be prepared to find answers, solve problems and perform tasks through self-directed learning. This does not imply that you are alone. Instructors are willing to help you in your preparation, but structured instruction, demonstration and review of skills in lab will typically follow student assessment. This is intended to evaluate your abilities and competencies as a self-directed learner and practitioner who will be solely responsible for the care of patients!

Our course also values group learning. Often, you will be assigned to work in groups and it is expected you contribute equally, just as you will as a member of the healthcare team. The team-based approach assures active learning and allows you to accomplish more than as an individual.
Course Feedback from Students: We expect our students to give honest, open and professional feedback that is consistent with the communication policies mentioned in the syllabus. Your feedback is important to your instructors and to future classes in the college of pharmacy. We expect this feedback to occur not only at the end of the year, but throughout the year as well.

Course Materials

Textbooks
In addition to textbooks listed in the PCLC Centralized Syllabus, additional required books to purchase:

Assessments and Grading

Graded Assessments and Assignments
Assessments and assignments for the lab portion of this course will be graded using the S+, S, S-, U system. Please see the course website for rating details.

<table>
<thead>
<tr>
<th>Lab Activity</th>
<th>Number of Ratings</th>
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</thead>
<tbody>
<tr>
<td>Preparation of Cytotoxic Parenteral Products</td>
<td>4</td>
</tr>
<tr>
<td>IV Compatibility</td>
<td>4</td>
</tr>
<tr>
<td>Patient Assessment Review</td>
<td>2</td>
</tr>
<tr>
<td>Pharmaceutical Care Clinic - Patient Appointment</td>
<td>3</td>
</tr>
<tr>
<td>Pharmaceutical Care Clinic - Case Presentation</td>
<td>2</td>
</tr>
<tr>
<td>Pharmaceutical Care Clinic - Case Documentation</td>
<td>3</td>
</tr>
<tr>
<td>Mental Health</td>
<td>4</td>
</tr>
<tr>
<td>Compounding</td>
<td>3</td>
</tr>
<tr>
<td>OSCE Preparation</td>
<td>3</td>
</tr>
<tr>
<td>Immunization Refresher</td>
<td>4</td>
</tr>
<tr>
<td>Drug Information</td>
<td>4</td>
</tr>
<tr>
<td>Discussions</td>
<td></td>
</tr>
<tr>
<td>The Center Cannot Hold Discussion</td>
<td>1</td>
</tr>
<tr>
<td>Applied PK In-Class Quizzes</td>
<td>3</td>
</tr>
</tbody>
</table>

Online Calculations Exam
Students are responsible for completing an online calculations assessment with a score of 100%. The exam will have 15 items which review the concepts covered in Phar 6728: Pharmaceutical Calculations. The assessment will be delivered online and will open early in the semester. Students are allowed as many attempts on the exam as they need to pass. Twenty-four hours must pass between attempts. Students must pass the exam by 11:59pm CT on Monday, December 3rd, 2018; failure to pass the exam by the deadline will result in a U grade. The exam must be retaken and passed prior to the end of the semester in order to pass the course.
Grading Information

Please refer to the PCLC Centralized Syllabus for complete grading information.

Demonstration of Minimum Competency: Specifics for PHAR 6770

At this point in the curriculum, we expect that you will be competent in your non-sterile and parenteral compounding techniques and documentation; meaning that you will need to receive at least an “S” rating on your technique and preparations. If an S- is earned in the “IV Compatibility” lab or the “Compounding” lab (excluding pre-labs) re-demonstration of minimum competency will be required. Students will have one additional attempt to demonstrate minimum competency. Failure to demonstrate minimum competency during this additional attempt will result in failure of the course. Activities to demonstrate minimum competency are determined at the discretion of the Course Directors and will include meeting face-to-face.

Posting of Grades/Ratings:
Ratings and grades will be available in the course website gradebook in a timely manner following activity completion.

College of Pharmacy Centralized Syllabus: University of Minnesota and College of Pharmacy Policy Reference
PCLC Centralized Syllabus: PCLC Central Syllabus 2018-2019

Students are required to be familiar with all required UMN and CoP policies, e.g., Academic Freedom; Copyright; Course Evaluations; Disability Accommodations; FERPA, etc.