Meeting Time, Place, Credits

Target audience: PD3 students  
Credits: 2  
Course Web Site: https://canvas.umn.edu/  
Term: Fall 2019  
Locations and Times:

<table>
<thead>
<tr>
<th>Lab Section</th>
<th>TC Room</th>
<th>D Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion</td>
<td>Moos 1-450</td>
<td>LSci 165</td>
</tr>
<tr>
<td>Lab Section 002 (TC and Duluth)</td>
<td>WDH 3-150</td>
<td>LSci 216</td>
</tr>
<tr>
<td>Lab Section 003 (TC and Duluth)</td>
<td>WDH 3-150</td>
<td>LSci 216</td>
</tr>
<tr>
<td>Lab Section 004 (TC only)</td>
<td>WDH 3-150</td>
<td>N/A</td>
</tr>
<tr>
<td>Lab Section 005 (TC only)</td>
<td>WDH 3-150</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Course Instructional Team

Sarah Schweiss, Pharm.D., BCACP  
Duluth Course Director  
Office: LSci 223  
Phone: 218-726-6012  
Email: sschweis@d.umn.edu  
Preferred method of contact: Email  
Office Hours: By appointment

Stephanie Swanson, PharmD.  
Twin Cities Course Director  
Office: WDH 1-130  
Phone: 612-626-9107  
Email: gibbs066@umn.edu  
Preferred method of contact: Email  
Office Hours: By appointment

Jacob Brown, Pharm.D., M.Sc.  
Office: LSci 232  
Phone: 218-726-6028  
Email: jtbrown@d.umn.edu  
Preferred method of contact: Email  
Office Hours: By appointment

Jeannine Conway, Pharm.D., BCPS  
Office: 5-110 B Weaver-Densford Hall  
Phone: 612-625-2999  
Email: pluha003@umn.edu  
Preferred method of contact: Email  
Office Hours: By appointment

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 in each activity’s introduction.

The course consists of two components: a laboratory section and the Applied Pharmacokinetics discussion.

Discussion Section: Applied Pharmacokinetics
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 online lectures, drug information questions, and in-class activities. Please see the discussion schedule for specific attendance requirements and topic outline. Ratings from this portion of the course 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 and participate in an in-person discussion of the book during a lab session.

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 five 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 (PK)**
- 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.
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>
</tr>
</thead>
<tbody>
<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>Compounding Refresher</td>
<td>3</td>
</tr>
<tr>
<td>Preparation of Cytotoxic Parenteral Products</td>
<td>4</td>
</tr>
<tr>
<td>Compounding</td>
<td>3</td>
</tr>
<tr>
<td>IV Compatibility</td>
<td>4</td>
</tr>
<tr>
<td>Immunization Refresher</td>
<td>4</td>
</tr>
<tr>
<td>Book Club: <em>The Center Cannot Hold</em> Discussion</td>
<td>3</td>
</tr>
<tr>
<td>Mental Health</td>
<td>4</td>
</tr>
<tr>
<td>OSCE Preparation</td>
<td>4</td>
</tr>
<tr>
<td><strong>Discussions</strong></td>
<td></td>
</tr>
<tr>
<td>Required attendance</td>
<td>5</td>
</tr>
<tr>
<td>Drug Information Questions</td>
<td>3</td>
</tr>
<tr>
<td>Applied PK In-Class Assignments</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total ratings</strong></td>
<td>50</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 2nd, 2019 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 “Compounding” lab (documentation of final product) or the “IV Compatibility” lab (aseptic technique or documentation of final product), 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 2019-2020

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