Meeting Time, Place, Credits

Target audience: PD1 students  
Credits: 2  
Course Website: [https://canvas.umn.edu](https://canvas.umn.edu)  
Dates: 9/10/2018-12/14/2018  
Locations and Times:

<table>
<thead>
<tr>
<th></th>
<th>Scheduled Days &amp; Times</th>
<th>TC Room</th>
<th>D Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion</td>
<td>Thursday 8:00-9:55am</td>
<td>WDH 7-135</td>
<td>410 Lib</td>
</tr>
<tr>
<td>Lab Section 002 (TC &amp; D)</td>
<td>Tuesday 1:25-3:20pm</td>
<td>WDH 3-150</td>
<td>216 LSci</td>
</tr>
<tr>
<td>Lab Section 003 (TC &amp; D)</td>
<td>Tuesday 3:35-5:30pm</td>
<td>WDH 3-150</td>
<td>216 LSci</td>
</tr>
<tr>
<td>Lab Section 004 (TC only)</td>
<td>Tuesday 8:00-9:55am</td>
<td>WDH 3-150</td>
<td></td>
</tr>
<tr>
<td>Lab Section 005 (TC only)</td>
<td>Tuesday 10:10am-12:05pm</td>
<td>WDH 3-150</td>
<td></td>
</tr>
</tbody>
</table>

Course Instructional Team

**Course Team**  
Karen Bastianelli, PharmD, BCACP  
Office: LSci 221  
Phone: 218-726-6026  
Email: bast0067@d.umn.edu  
Preferred method of contact: Email  
Office Hours: By appointment

Jennifer Chen, PharmD, BCACP  
Office: WDH 3-150C  
Phone: 612-624-2544  
Email: chen0666@umn.edu  
Preferred method of contact: Email  
Office Hours: By appointment

*Teaching Assistants: See course website for roster and contact information*
A Note from the Course Instructional Team

Dr. Bastianelli
My first exposure to pharmacy was as a teenager and I have been involved in the profession ever since. I have worked a variety of positions and I will relate many of our lab activities to ‘real life’ situations. I strongly believe in the profession of pharmacy and all of the benefits we can bring to our patients and other health care professionals. Building relationships with patients has always been an important aspect of my professional philosophy and I am looking forward to not only teaching you, but getting to know each of you, and learning from you. In general, I am usually in my office (221 LSci) from 8am-2pm on Monday, Tuesday, and Thursday. Please feel free to stop by my office anytime to discuss aspects of the course or any other topic of interest you may have. In order to ensure my availability, you may schedule an appointment with me through phone or e-mail. However, if I’m in my office with my door open, I’ll be available to talk to you. I am also happy to respond to both e-mail and phone messages. Unless you are otherwise notified that I am out of town, I will respond to your messages within 24 hours (excluding weekends, in which case it may be 48 hours). If you should need to contact me to alert me of an illness or a family emergency, please leave me a voicemail at home or office as soon as it is convenient for you.

Dr. Chen
My passion for pharmacy is a culmination of my interest in chemistry, medicine, and caring for patients. I also enjoy teaching, and I have sought various teaching opportunities since I was an undergraduate student. I firmly believe that understanding the “why” and the “how” are critical to learning, as is the application of knowledge. As pharmacists, we have the privilege to empower our patients to take better care of themselves – and to assist them when they are unable to do so. In order to do this, we must “know our stuff,” and I am committed to helping you get there. I am generally on campus Tuesday-Thursday and in clinic Mondays and Fridays. While it is best to schedule an appointment, please feel free to stop in my office any time my door is open. You may also contact me by e-mail or phone.

PCLC Central Syllabus
This course adheres to the PCLC Central Syllabus, available on the course website. Students are responsible for the content of the PCLC Central Syllabus, in addition to the content of this syllabus.

Overview of the course

Course content:
This course is designed for first year pharmacy students to provide an introduction to the profession and begin building the skills necessary to become a competent and caring pharmaceutical care practitioner. The course consists of two components: a laboratory section and a discussion. Students will also read and participate in an online book club on The Spirit Catches You and You Fall Down by Anne Fadiman.

Course format:
Pharmaceutical Care Skills Lab comprises two distinct but integrated sections: lab and discussion. Each student must register for the discussion and one laboratory section on their respective campus. The course directors on each campus work closely to ensure similar experiences, expectations, and assessments on both campuses.

Students must refer to the Course Schedule posted on the course website in order to be prepared each week for lab and discussion. It is NECESSARY AND ESSENTIAL for all students to read through material and complete assignments prior to coming lab and discussion. All activities are intentionally integrated and sequenced into the curriculum; therefore, all activities must be completed in order to progress through the program. Authorization may be pre-arranged with the course director in regard to making up a missed activity due to an excused absence.

Discussion Section
The discussion for the class meets once a week for 1 hour and 55 minutes. The purpose of the discussion is to provide an orientation and introduction to selected pharmacy topics and to facilitate discussions of patient care skills. Discussion
Discussions may be conducted using a modified Team Based Learning (TBL) approach. TBL is an active learning teaching strategy that assists students in learning how to apply course concepts. In our modified TBL, students are expected to review material from previous labs and discussions prior to class. Students are expected to come to class prepared and will be held accountable for that preparation via the Readiness Assurance Process (RAP) and peer evaluations. The RAP includes an individual readiness assessment test (iRAT) and a re-taking of the same test as a student team. After each team readiness assessment test (tRAT), a team may appeal an answer by writing down the reason and support for their answer choice. This must occur and be given to the instructor during the 5 minutes before any large group discussion occurs. Only teams which appeal may be granted credit for successful appeals. Students will complete self and peer evaluations at a midpoint and end of the semester. Assessing your team members’ strengths and weaknesses is a critical piece of TBL. The evaluations will have one rating for completion and another rating based off their peers’ evaluations for each period. Peer assessment helps you prepare to assess peer pharmacists, technicians or others who you will manage. Giving a peer a perfect score when their contribution does not merit it does not help that person change behavior and harms the team. The online evaluations will be anonymous; however, we encourage an open discussion about team performance, and welcome any teams or team members to meet with course directors to discuss their performance at any time.

**Lab Sections**
Each lab section will meet for 2 hours. Each laboratory section may be further divided into smaller working groups. Labs will occur on a 3-week rotating schedule.

**Online Book Club**
Students will be reading *The Spirit Catches You and You Fall Down* by Anne Fadiman and participating in an online book club on the course website. Throughout the semester, students will be expected to make two thoughtful online discussion posts and respond to final reflection questions. For each online discussion, students are expected to make two thoughtful comments on peers’ posts. One rating will be assigned to each online discussion and the final reflection questions. Students must thoughtfully complete all components of each online discussion and the final reflection questions to receive full credit.

**Expected Workload**
While every student is different, and workload may vary by week, the average expected amount of time spent outside of class for this course is 2.5 hours per week for lab and 1 hour per week for discussion. If you find you are consistently spending significantly more than the expected time preparing for class, please see the course director.

**Prerequisites**
- Students must have successfully completed Becoming a Pharmacist
- Students must be concomitantly registered in all required PD1 courses

**Computer/Technology Requirements**
Students must have ability to access course materials and submit online assignments during lab and discussions.

**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. Course goals for 6710 are listed below:
Pharmacists’ Patient Care Process (PPCP)

- Explain and apply the PPCP in various pharmacy settings

Patient Care

- Successfully perform a brief patient assessment, including:
  - Interviewing a patient
  - Obtaining current medication list
- Be patient-centered and empathetic; sensitive to patients’ needs
- Identify drug therapy problems by evaluating drugs for indication, effectiveness, safety, convenience (IESC)
- Develop individualized and clinically appropriate care plans for a patient with one to three simple conditions
- Be cognizant of cultural variations and health care disparities and their potential impact on health care
- Appropriately educate patients on their drug therapy and assess for patient understanding
- Communicate effectively with all patients and their families
- Accept responsibility of providing continuing care to patients

Extemporaneous Compounding

- Demonstrate proficiency in a complement of basic skills related to sterile and non-sterile compounding.
  - Sterile:
    - Evaluate prescriptions for Indication, Effectiveness, Safety, and Convenience (IESC), including safety parameters specific to parenteral products
    - Demonstrate aseptic technique compliant with USP 797 (personal prep, cleaning hood, vial to bag, reconstitution, syringe) for a product with one to two manipulations
  - Non-sterile:
    - Evaluate prescriptions for Indication, Effectiveness, Safety, and Convenience (IESC)
    - Demonstrate appropriate use of torsion balance
    - Demonstrate and be able to appropriately apply non-sterile compounding techniques: spatulation, levigation, trituration, geometric dilution

Practice Management

- Demonstrate ability to dispense a prescription in outpatient and inpatient settings, including:
  - Identifying if a prescription contains all legally required components
  - Appropriate labeling
  - Appropriate packaging
- Apply Drug Literature Evaluation (DLE) skills in developing a plan to address a patient’s drug-related needs.
- Effectively document clinically appropriate care plans for a patient with one to three simple conditions
- Compare and contrast cost effective drug options and consider patient-specific needs.

Professionalism

- Exhibit professional behavior
- Recognize the responsibility to provide service to communities
- Accept the responsibility of life-long learning and self-reflection
- Improve own learning and peers’ learning via peer-evaluations

Attendance and Tardiness Policy

Refer to PCLC Centralized Syllabus. Note that the tardiness policy applies to both lab and discussion in this course.
Course Materials

Textbooks
Required eReserve text:

Required books to purchase:
- Fadiman, A. The Spirit Catches You and You Fall Down. The Noonday Press, 1997

Optional texts:
- A current patient assessment/physical assessment text (such as Jones/Rospond)
- A current pharmacotherapy text (such as DiPiro or Koda-Kimble)
- A current sterile compounding text (such as Ochoa/Vega or Buchanan)

Course Website
This syllabus, as well as all of the details of the course, including schedules, pre-lab and pre-discussion activities, an overview of each activity, sample grading sheets, etc. can be found on the course website. Course announcements will also be posted on this site as necessary. It is required that students check the website at least once a week. Students will need to access this site to find and complete assignments prior to coming to discussion and lab each week.

Assessments and Grading

Graded Assessments and Assignments
The following graded assessments and assignments will count toward your final grade for this course:

<table>
<thead>
<tr>
<th>Date</th>
<th>Assignment/Assessment</th>
<th>Rating</th>
<th># of ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly</td>
<td>Lab*</td>
<td>S+, S, S-, U</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>3 ratings per lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weekly</td>
<td>Discussions*</td>
<td>S+, S, S-, U</td>
<td>Up to 33</td>
</tr>
<tr>
<td></td>
<td>2-3 ratings per discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10/8</td>
<td>Online book club**</td>
<td>S+, S, S-, U</td>
<td>3</td>
</tr>
<tr>
<td>11/5</td>
<td>First post &amp; 2 comments due 10/8 (through Ch. 7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/10</td>
<td>Second post &amp; 2 comments due 11/5 (through Ch. 13)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finish book before Discussion on 12/6</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final reflection questions due 12/10 (rest of book and discussion)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>End of term</td>
<td>Lab Practicals**</td>
<td>S+, S, S-, U</td>
<td>6</td>
</tr>
</tbody>
</table>

* Please see the Course Schedule for the full outline of labs and discussions
** Please see course website for more information

Grading Information

Refer to PCLC Central Syllabus for definitions of ratings in the “S+, S, S-, U” system
Minimum Competency
Maximum number of S- ratings (excluding pre-lab ratings) allowed before re-demonstration of minimum competency will be required are listed in the table below. Note that any student who earns an S- on timed activities during practicals will also be required to demonstrate minimum competency regardless of the number of S- ratings in that category for the semester.

<table>
<thead>
<tr>
<th></th>
<th>Non-sterile Compounding Labs</th>
<th>Sterile Compounding Labs</th>
<th>Patient Care Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

Final Course Grade
This course is graded on an S/N system. In the Pharmaceutical Care Skills Lab courses, students must earn an S or S+ on 80% or more of the up to 70 total ratings to pass the course (i.e. 54 out of 67 ratings). Earning more than 2 U ratings, regardless of the number of S- ratings, will result in failure of the course.

Statement on Extra Credit
No extra credit will be offered in this course.

University of Minnesota and College of Pharmacy Policy Reference (Central Syllabus)
Students are required to be familiar with all required UMN and CoP policies, e.g., Academic Freedom; Copyright; Course Evaluations; Disability Accommodations; FERPA, etc.

Additional Policies
Additional PCLC policies are found in the PCLC Central Syllabus on the course website.