

Phar 6710: Pharmaceutical Care Skills Lab I

Course Syllabus Fall 2020
2 Credits

This course adheres to the [University of Minnesota College of Pharmacy Central Syllabus](#). Students are required to be familiar with and adhere to all required UMN and CoP policies.

Meeting Times & Locations*

	Day & Time	TC Room	Duluth Room
Discussion	Thursdays 8:00-9:55am	Zoom	
Weekly Online Lab Modules	Per schedule on Canvas	Posted on Canvas	
In-person Labs	9/15 OR 9/22, per signup 10/13 OR 10/20, per signup	Cpd: TBD IV: WDH 3-150	Cpd: LSci 216 IV: LSci 165

Course Website: <http://canvas.umn.edu>

Course Instructional Team

Course Directors

Karen Bastianelli, PharmD, BCACP

Office: LSci 221

Phone: 218-726-6026

Email: bast0067@d.umn.edu

Preferred method of contact: Email

Office Hours: Monday, Tuesday, Thursday by appointment

Jennifer Chen, PharmD, BCACP

Office: WDH 3-150C

Phone: 612-624-2544, press "0" during voicemail to be forwarded to my cell

Email: chen0666@umn.edu

Preferred method of contact: Email

Office Hours: Monday-Thursday 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 available Mondays, Tuesdays, and Thursdays and in clinic on Wednesdays and Fridays. Please feel free to contact me to discuss aspects of this 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 with you. 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).

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 and retention, 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 by 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. Additional information specific to this course is below.

Overview of the Course

See the PCLC Central Syllabus for Course Content, Course Format, Discussion Section, Lab Sections, and Expected Workload.

Team Based Learning

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 documenting 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. Peer evaluation also helps you prepare to assess peer pharmacists, technicians or others who you will manage in future practice. The evaluations may have one rating for completion and another rating based off their peers' evaluations for each period. 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.

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. Two ratings will be assigned to each online discussion (original post and two comments), and one rating will be assigned to the final reflection questions, for a total of 5 ratings. Students must thoughtfully complete all components of each online discussion and the final reflection questions to receive full credit.

Prerequisites

- Students must be enrolled in the Pharm.D. program
- Students must have successfully completed *Becoming a Pharmacist*
- Students must be concomitantly registered in all required PD1 courses

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 [Pharmacists' Patient Care Process \(PPCP\)](#) in various pharmacy settings

Patient Care

- Collect information to identify a patient's drug (medication) therapy problems and health-related needs in cases with one to three simple conditions
 - Interviewing a patient
 - Obtaining current medication list
- Assess information to determine the effects of medication therapy and prioritize health related needs
- Identify drug (medication) therapy problems by assessing medications for indication, effectiveness, safety, and convenience (IESC)
- Establish patient-centered goals in collaboration with the patient, caregiver(s), and other health professionals that is evidence based and cost-effective
- Identify the potential impacts of cultural variations and health care disparities in patient care
- Appropriately educate patients on their medication therapy and assess for patient understanding
- Develop and implement an individualized and clinically appropriate care plan in collaboration with the patient, caregivers, and other health professionals including follow-up and monitoring
- Exhibit empathy in all patient interactions

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 preparations
 - Demonstrate aseptic technique compliant with USP 797 (personal prep, cleaning hood, vial to bag, reconstitution, syringe) for a preparation with one to two manipulations
 - Non-sterile:
 - Evaluate prescriptions for Indication, Effectiveness, Safety, and Convenience (IESC)
 - Demonstrate appropriate use of a 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 evidence based practice skills in developing a plan to address a patient's drug-related needs.
- 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

Course Materials and Requirements

See the PCLC Central Syllabus for information on the Course Website, Computer / Technology Requirements, and a Quick Note About Top 200 Drugs. Note that students will not need a sphygmomanometer or stethoscope in this course.

Textbooks

Required eReserve text:

- Elder, DL. *A Practical Guide to Contemporary Pharmacy Practice and Compounding*, 4th ed. Philadelphia: Wolters Kluwer; 2018
(Instructors strongly encourage print text as a reference throughout career.)

Required books to purchase:

- Fadiman, A. *The Spirit Catches You and You Fall Down*. The Noonday Press, 1997
- Krinsky, et al. *Handbook of Nonprescription Drugs*, 19th Edition. APhA, 2017/2018

Optional texts:

- Available electronically:
 - Cipolle RJ, Strand LM, Morley PC. *Pharmaceutical Care Practice*, 3rd Edition. McGraw Hill; 2012 (required text for Pharmaceutical Care)
 - A current patient assessment/physical assessment text (such as Jones/Rospond)
 - A current pharmacotherapy text (such as DiPiro or Zeind/Carvalho)
- Available in the PCLC Lab (usually, but not during COVID-19) or can be purchased for personal use
 - A current sterile compounding text (such as Ochoa/Vega or Buchanan)
 - A current pharmaceutical calculations text (such as Ansel/Stockton)

Course Policies

See the PCLC Central Syllabus for policies on Professionalism, Lab Attendance, and Tardiness. Note that the tardiness policy applies to both lab and discussion in this course.

See the PCLC Central Syllabus for policies on Communication, Student Academic Integrity and Scholastic Dishonesty (Honor Code), Dress and Behavior Code, Reference Books, Disruptive Behavior, Safety and Cleanliness, Use of the Learning Center, COVID-19 Considerations, and Participation and Communication between Campuses via ITV.

Assessments and Grading

Refer to the PCLC Central Syllabus for definitions of ratings in the “S+, S, S-, U” system, and policies on regrade requests and the PCLC Award for Excellence.

Graded Assessments and Assignments

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

Date	Assignment/Assessment	Rating	# of ratings
Weekly	Lab* <ul style="list-style-type: none"> 3 ratings per lab 	S+, S, S-, U	27
Weekly	Discussions* <ul style="list-style-type: none"> 3-4 ratings per discussion, on average 	S+, S, S-, U	Up to 35
9/28 10/1 10/26 10/29 11/19 12/3	Online book club** <ul style="list-style-type: none"> First post due 9/28 (through Ch. 7) <ul style="list-style-type: none"> 2 comments due 10/1 Second post due 10/26 (through Ch. 13) <ul style="list-style-type: none"> 2 comments due 10/29 (through Ch. 13) Finish book before Discussion on 11/19 <ul style="list-style-type: none"> Final reflection questions due 12/3 (rest of book and discussion) 	S+, S, S-, U All papers, posts and comments must be thoughtful for credit	5
10/27 11/24 OR 12/1	Compounding/IV Practical Patient Education Practical**	S+, S, S-, U	6

* Please see the Course Schedule for the full outline of labs and discussions

** Please see course website for more information

Minimum Competency

Students are required to obtain a minimum competency level demonstrated by earning an S or S+ rating on all final lab practicals. Obtaining a U or S- rating on any final practical will require completion of a minimum competency activity to be determined by the course director. Students will have one attempt to successfully complete this activity. Failure to do so will result in failure of the course. All U and S- ratings obtained during practicals will still be reflected in the final course grade.

Course directors have the authority to request meeting with students who are not performing to expectations throughout the semester. In this course, course directors will reach out to students who exceed the number of S- ratings (excluding pre-lab ratings) in the table below. As per the PCLC Central Syllabus, students are expected to contact the course director at any time during the semester if they are experiencing difficulties in the course.

Non-sterile Compounding Labs	Sterile Compounding Labs	Patient Care Labs
3	3	3

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 73 total ratings to pass the course (i.e. 58 out of 73 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

There is no extra credit offered in this course.