
Phar 6222: Advanced Pharmaceutical Compounding
Spring 2019
Tuesdays 6:00 to 8:00 p.m.
2 Credits

Course Director

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Course Objectives

At the completion of the course, the student will be able to:

1. Explain methods used to compound most dosage forms commonly prescribed today.
2. Understand common calculations used in compounding.
3. Implement techniques used to avoid pharmaceutical incompatibilities.
4. Understand regulations and guidelines of compounded products.
5. Understand common pharmaceutical compounding references.

Textbook

Thompson, JE. *A Practical Guide to Contemporary Pharmacy Practice*. 3rd ed., Lippincott. 2009.

Or

Elder, DL.. *A Practical Guide to Contemporary Pharmacy Practice*. 4th ed., Lippincott. 2018.

Grading Policy

A/N grading based on assignment/test score average:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
<60%	F

18% of final grade - Pre-lab Assignments

44% of final grade- lab assignment

16% of final grade - Midterm written/practical exam

16% of final grade - Final written exam

6% of final grade-Calculations assignment

Exams and Assignments

Pre-lab assignments must be completed before lab. Successful completion of all compounded assignments is required to receive a grade. Compounding assignments may be repeated until a satisfactory dosage form is produced.

Course Website-Canvas

I will place the assignments and course handouts on Canvas each week following class.

Prerequisites

Second or Third year pharmacy student or permission from the instructor.

Dress Code

It is required that you dress in a professional manner. Professional demeanor is conveyed to your colleagues and patients in your behavior as well as in your appearance.

Attendance

Attendance in lab is mandatory, and any absence, both excused and unexcused, from lab will need to be made-up. Excused absences include personal illness, family emergency, or school-sponsored extracurricular

activities. In order to be excused, you must contact me (by phone or email) prior to the session missed. Accommodations will then be made to make-up the missed session.

Honor Code

Each student is bound by the following specific provisions as part of the Code. Academic misconduct is any unauthorized act which may give a student an unfair advantage over other students, including but not limited to: falsification, plagiarism, misuse of test materials, receiving unauthorized assistance, and giving unauthorized assistance. Each student will be asked to sign and reaffirm the honor code on quizzes and tests. You are required to do your own work on all quizzes and tests. **Students are encouraged to work together and discuss pre-lab and in lab activities, however the work that is turned in must be the student's own interpretation of the discussion and cannot be copied from another student's work. At times, assignments or labs will state that it is an "independent project", in which case no group discussions or group work will be allowed.**

Safety and Cleanliness

The safety of all of our students and faculty/instructors is vital to the function of the class. To help ensure safety, it is crucial that everyone behaves in a professional manner at all times. While working in the compounding sections, no food or drink will be allowed. All beverages in discussion areas must be in a closed container. It is ESSENTIAL that all needles and lancets are properly disposed of in the sharps containers. Students not disposing of these products properly will receive an incomplete in the laboratory activity. If you have any questions about safety issues, please ask the course director at any time.

If you or someone in your groups should ever receive a needle stick or other injury, please let your instructor know IMMEDIATELY. Appropriate action will be taken. If you have any known drug allergies to products we are utilizing in lab, please let the instructor know before lab starts, and appropriate accommodations can be made.

Students are expected to have their lab tables and all equipment clean prior to leaving the lab for the day. All beaker, spatulas and other sink washable supplies should be washed with soap and water, dried and put back in the appropriate cupboard. All counter top and scales should be cleaned with cleaning products supplied in classroom and should not have any powder, cream, or other drug product left on the surface. Not cleaning equipment will result in deduction of 2 points of your lab assignment. Lab assignments are worth 4 points.

Special Needs

Any student who had any disability (either permanent or temporary) which might affect his or her ability to perform in class should contact me as soon as possible if accommodation is to occur. Information and assistance about accommodation is available from Disability Services (726-8217). All discussions will remain confidential.

Classroom Environment

Our classroom environment must be a comfortable place for each student. It should be a place where you can express your thoughts and opinions without fear of being ridiculed or embarrassed. I expect that each of you will help make our classroom environment a positive one by respecting each other and the ideas of individuals. This includes refraining from any references to other students based on race, gender, sexual preferences, age, or any other factor that could be considered discriminatory.