University of North Texas System College of Pharmacy Course Syllabus

PHAR 7141 / Special Topics in Research Related to Pharmacy Compounding

Semester: Summer/Fall
Department: Pharmacotherapy
Course Description:
Credits: 1 hour = 15 contact hours (45 hours to total time dedicated)

Prerequisite: This course is related to special topics in pharmacy compounding and as a required course in the completion of the educational track in pharmacy compounding. Students who register for this course should have completed PHAR 7217, Pharmacy Practice Skills Lab 1 which includes non-sterile compounding and PHAR 7137, Skills Lab 3 which includes sterile compounding.

Course Goals:
The overall goal **of PHAR 7141** is to contribute to your achievement of the professional knowledge, skills, and attitudes expected for a pharmacist as outlined by the Accreditation Council for Pharmacy Education (ACPE). Described below are some examples where your command of the material taught in this course will contribute to preparing you to achieve these competencies in the four broad domains defined by the Center for the Advancement of Pharmacy Education (CAPE) 2016 Educational Outcomes. The competencies highlighted are those that can be reflected by participation in this course.

Domain 1 – Foundational Knowledge

1.1. Learner (Learner) - Develop, integrate, and apply knowledge from the foundational sciences (i.e., *pharmaceutical*, *social/behavioral/administrative*, and *clinical sciences*) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and *patient-centered care*.

Domain 2 – Essentials for Practice and Care

2.1. Patient-centered care (Caregiver) - Provide *patient-centered care* as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).

2.2. Medication use systems management (Manager) - Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.

2.3. Health and wellness (Promoter) - Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.

2.4. Population-based care (Provider) - Describe how *population-based care* influences *patient-centered care* and influences the development of practice guidelines and evidence-based best practices.

Domain 3 – Approach to Practice and Care

3.1. Problem Solving (Problem Solver) – Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.

3.2. Educator (Educator) – Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.

3.3. Patient Advocacy (Advocate) - Assure that patients' best interests are represented.

3.4. Interprofessional collaboration (Collaborator) – Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.

3.5. Cultural sensitivity (Includer) - Recognize *social determinants of health* to diminish disparities and inequities in access to quality care.

3.6. Communication (Communicator) – Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

Domain 4 – Personal and Professional Development

4.1. Self-awareness (Self-aware) – Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.

4.2. Leadership (Leader) - Demonstrate responsibility for creating and achieving shared goals, regardless of position.

4.3. Innovation and Entrepreneurship (Innovator) - Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.

4.4. Professionalism (Professional) - Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.

Course Learning Outcomes: After completing this course, students should be able to:

Conduct special projects and research related to pharmacy compounding

Implement laws and rules related to pharmacy compounding.

Course Format:

The primary learning resources and equipment for this course are the following:

Students enrolled in this course will have access to the library.
The compounding lab in RES114 may be accessed by appointment.
Student will report to and coordinate with the course director.

Course Policies: Students are expected to document and report their time on task through an activity log. *The College cannot take outside employment or activities into account when scheduling classes, laboratories, small group activities, examinations, reviews, individual course functions, or special projects.*

Students are expected to be on time, professional and engaged in the class activities, and complete class activities on time in order to receive full credit for the session.

Appropriate Use of Technology: The use of the internet, personal mobile devices, laptops and tablets must be consistent with course activities. Texting, calling, streaming audio or video files, surfing the internet, or abusing the database profiles for non-course related activities during laboratory sessions is prohibited and may be considered non-professional conduct.

Dress Code: Research appropriate.

Assessment and Grading:

The course will be graded as ==pass/fail== upon completion of the special project.

Course Faculty:

Name	Office	Phone	E-Mail Address
Dr. Jennifer Fix	RES435C	cell 682-554-6785	jennifer.fix@unthsc.edu

Class Session Roadmap:
Please note that the assignments below are tentative and provide work goals for the student.

Week	Date	Topic	Instructor	Assignment	Assessment
1	TBD	Consider project ideas	Fix or TBD	Activity log	
2	TBD	Gather tools and intel	Fix or TBD	Activity log	
3	TBD	Administer event	Fix or TBD	Activity log	
4	TBD	Consider results	Fix or TBD	Activity log	Pass/Fail
5	TBD	Develop presentation	Fix or TBD	Power point	
6	TBD	Present to faculty member	Fix or TBD	Live presentation	
7	TBD	Develop manuscript	Fix or TBD	Draft of manuscript/poster/CE	

Suggested Project Ideas:
Projects will be agreed upon with the faculty member.
       Literature review and manuscript
       Pharmacy peer-to-peer review related to compounding
          Pharmacy assessment

Review and update compounding procedures for the pharmacy
Evaluate USP 800 compliance
Assist with preparation for PCAB accreditation

Student Responsibilities:

Academic Integrity/Honor Code
Enrollment is considered implicit acceptance of the rules, regulations, and guidelines governing student behavior at UNT Health Science Center. It is the responsibility of the student to be familiar with all policies governing academic conduct which can be found in the UNTHSC Student Catalog, Student Policy Handbook and the Student Code of Conduct and Discipline which are located on the UNTHSC Internet at http://www.hsc.unt.edu/Sites/DivisionofStudentAffairs/

Academic Assistance
Students may schedule one-on-one academic assistance with faculty through in-person appointments, telephone calls or e-mail communication. Academic assistance is also available through the UNTHSC Center for Academic Performance (CAP). http://www.hsc.unt.edu/CAP.

Attendance and Drop Procedure
Course instructors and the School's administration expect students to attend class. It is the responsibility of the student to consult with the instructor *prior* to an absence, if possible. Withdrawal from a course is a formal procedure that must be initiated by the student. Students who stop attending class and do not withdraw will receive a failing grade. Students should consult with the instructors prior to withdrawing. In some cases a perceived problem may be resolved, allowing the student to continue in the course. It is the student's responsibility to be familiar with the policies and procedures as stated in the S t u d e n t Handbook and the UNTHSC Catalog located on the UNTHSC Internet at http://www.hsc.unt.edu/departments/studentaffairs/.

Americans with Disabilities Act
The University of North Texas Health Science Center does not discriminate on the basis of an individual's disability and complies with Section 504 and Public Law 101-336 (American with Disabilities Act) in its admissions, accessibility, treatment and employment of individuals in its programs and activities. UNTHSC provides academic adjustments and auxiliary aids to individuals with disabilities, as defined under the law, who are otherwise qualified to meet the institution's academic and employment requirements. For assistance, contact the Assistant Director, Disability Accommodations within the Center for Academic Performance at the Health Science Center. Reference Policy 7105 Americans with Disabilities Act Protocol in the Student Policies.

Course and Instructor Evaluation
It is a requirement of all students that they are responsible for evaluating each of their courses and instructors as defined in UNTHSC Policy 7.120 Student Evaluation of Courses and Instruction. Please adhere to all guidelines established in the policy.

Course Assessment
In some instances, courses will have a course assessment that will provide immediate feedback to the course director regarding progress of the course identifying potential problems and determining if student learning

objectives are being achieved. (Provide all pertinent information regarding the specifics of the groups in the syllabus as defined in UNTHSC Policy 7.120 Student Evaluation of Courses and Instruction.)

Syllabus Revision
The syllabus is a guide for this class but is subject to change. Students will be informed of any change content or exam/assignment dates.

Turnitin and the Family Education Rights and Privacy Act (FERPA) – If applicable
NOTE: UNTHSC has contracted with Turnitin.com for plagiarism detection services. Use of Turnitin.com is entirely in the discretion of the instructor, but use of such a service requires that you provide notice (via syllabus) to your students that you are using such services. In addition, instructors who use the Turnitin should be sure to remove student identifiable information from the work before sending to Turnitin or receive written permission from the student. There are two methods for using Turnitin for written assignments. Please refer to the wording guidelines and consent form located on the Faculty Affairs website at http://www.hsc.unt.edu/Sites/OfficeofFacultyAffairs/index.cfm?pageName=Turnitin.

Zero Tolerance for Sexual Violence and Harassment
All students should be able to study in an atmosphere free of harassment, sexual violence and gender discrimination. Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources on the UNT Health Science Center's website: http://web.unthsc.edu/info/200304/student_affairs/355/title_ix_reporting