

PHRD 5054: Hospital Pharmacy Practice**I. Contact Information**

Course Coordinator:

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Course Instructors:

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Ashley Barbo, PharmD

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*Email is the preferred method of contact for all instructors.

II. Course Prerequisites/Corequisites

Completion of PHRD 4029: Pharmaceutics II with a grade of "C" or better.

III. Course Description

(2 credit hours) The history of hospital pharmacy; organization and administration of patient care facilities; distribution of pharmaceuticals to inpatients; abilities required of the pharmacist; and the many roles of the pharmacist as a member of the health care team.

IV. Curricular Objectives and Outcomes

CAPE Domain 2- Essentials for Practice and Care

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.

CAPE 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.

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

CAPE Domain 4- Personal and Professional Development

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.

ACPE Appendix 1

Social/Administrative/Behavioral Sciences

- Cultural Awareness: Exploration of the potential impact of cultural values, beliefs, and practices on patient care outcomes.
- Ethics: Exploration of approaches for resolving ethical dilemmas in patient care, with an emphasis on moral responsibility and the ability to critically evaluate viable options against the needs of patients and other key stakeholders.
- Healthcare Systems: Examination of U.S. health systems and contemporary reimbursement models in which patient-centered and/or population-based care is provided and paid for, and how social, political, economic, organizational, and cultural factors influence providers' ability to ensure patient safety and deliver coordinated interprofessional care services.
- History of Pharmacy: Exploration of the evolution of pharmacy as a distinct profession, the transition from a focus on the drug to a focus on the patient and the drug (including pharmacist-provided patient care), and major milestones and contributors in the evolution of pharmacy.
- Pharmacoeconomics: Application of economic principles and theories to the provision of cost-effective pharmacy products and services that optimize patient-care outcomes, particularly in situations where healthcare resources are limited.
- Pharmacy Law and Regulatory Affairs: Federal and appropriate state-specific statutes, regulations, policies, executive orders, and court decisions that regulate the practice of pharmacy, including the mitigation of prescription drug abuse and diversion.
- Practice Management: Application of sound management principles (including operations, information, resource, fiscal, and personnel) and quality metrics to advance patient care and service delivery within and between various practice settings.
- Professional Communication: Analysis and practice of verbal, non-verbal, and written communication strategies that promote effective interpersonal dialog and understanding to advance specific patient care, education, advocacy, and/or interprofessional collaboration goals. Exploration of technology-based communication tools and their impact on healthcare delivery, healthcare information, and patient empowerment.
- Professional Development/Social and Behavioral Aspects of Practice: Development of professional self-awareness, capabilities, responsibilities, and leadership. Analysis of contemporary practice roles and innovative opportunities, and inculcation of professional attitudes, behaviors, and dispositions.

Clinical Sciences

- Health Informatics: Effective and secure design and use of electronic and other technology-based systems, including electronic health records, to capture, store, retrieve, and analyze data for use in patient care, and confidentially/legally share health information in accordance with federal policies.
- Medication Dispensing, Distribution and Administration: Preparation, dispensing and administration of prescriptions, identification and prevention of medication errors and interactions, maintaining and using patient profile systems and prescription processing technology and/or equipment, and ensuring patient safety. Educating about appropriate medication use and administration.
- Patient Safety: Analysis of the systems- and human-associated causes of medication errors, exploration of strategies designed to reduce/eliminate them, and evaluation of available and evolving error-reporting mechanisms.

V. Course Specific Objectives and Outcomes

- Describe the health care system and its relationship to delivery of pharmaceutical care.
- Discuss rules and regulations concerning the use of medical charts in various practice settings (i.e. HIPAA).
- Collaborate with other healthcare providers.
- Communicate in a professional manner.
- Describe drug acquisition process and choose the appropriate process based on system needs.
- Determine and implement appropriate inventory control methods.
- Choose appropriate drug distribution systems based on system needs.
- Describe humanistic and technological factors involved in the distribution processes.
- Discuss methods to identify, evaluate, correct, and prevent errors in the distribution systems.
- Describe different surveillance systems for drug misadventures.
- Compare various quality assurance strategies and choose the most appropriate for evaluating the system.
- Describe the role of the pharmacy and therapeutics committee.
- Describe the process of formulary development and management.
- Apply pharmacoeconomic principles/theory to drug selection/formulary inclusion.

VI. Course Topics

See course schedule.

VII. Instructional Methods and Activities

Instructional methods may include traditional lectures, distance learning, in-class discussion of patient cases, small group discussion, problem-based learning, case-based learning, and individual projects. There will also be presentations by experienced practitioners. Classroom discussion is encouraged and expected and will be moderated by the instructor.

VIII. Evaluation and Grade Assignment

- Assignments and projects will account for all course points.
- Information acquired from other courses in the professional pharmacy curriculum may be needed in preparing for these activities.
- Assignments and projects may cover material (assigned readings, outside assignments) not covered in class.

GRADING SCALE:

89.5% - 100%	= A
79.5% - 89.4%	= B
69.5% - 79.4%	= C
59.5% - 69.4%	= D
Below 59.4%	= F

Semester Points:

Assignments (10 @ 10 points each) 100 points

Medication safety project	100 points
PAI project	<u>100 points</u>
Course total	300 points

Undergraduate mid-term grades will be posted on-line for students to view via Banner. Mid-term grades indicate a student's status at mid-semester only and do not indicate the final performance outcome of a student.

Any student earning a non-passing grade of "D" or "F" on an exam or assignment will be required to participate in mandatory tutoring sessions offered by the course instructor(s) until such a time that they obtain a passing average in the course.

IX. Class Policies and Procedures

At a minimum, all policies stated in the current ULM *Student Policy Manual & Organizational Handbook* should be followed (see <http://www.ulm.edu/studentpolicy/>). Additional class policies include:

A. Textbook(s) and Materials: No textbook is required for this course. A calculator will be required for some in-class assignments. Please have one available at all times. Optional text, Introduction to Hospital & Health-System Pharmacy Practice by Holdford & Brown, is available in the ULM Bookstore.

B. Attendance Policy:

Class attendance is regarded as an obligation as well as a privilege, and students are expected to know attendance regulations and to attend regularly and punctually at classes in which they are enrolled. Failure to do so may: (1) prevent access to the classroom during regularly scheduled times; (2) jeopardize a student's scholastic standing; and (3) lead to suspension from the School or University. Students must submit excuses for class absences to course coordinators within three class days after returning to classes.

Professors shall accept an official University excuse. With the following exceptions, professors are to determine whether absences are excused or unexcused: 1) Absences arising from authorized trips away from the University or from special duties at the University shall be excused. 2) Absences arising from a student's confinement in a hospital or other in-patient facility or doctor's excused absences shall be excused. Students are responsible for verifying providing documentation to the faculty, which will be verified. 3) Absences arising from a death in the immediate family shall be excused. The immediate family is defined as spouse, child, step-child, mother, father, sister, brother, grandmother, grandfather, step-mother, step-father, step-brother, step-sister, aunt, uncle, mother-in-law or father-in-law.

C. Make-up Policy: Each student is expected to attend each exam at the date and time specified. If a student cannot attend an exam due to valid University excuse, he/she must speak directly with the course coordinator, as soon as possible. The course coordinator must be notified **prior** to an examination if a student misses an exam. The ULM SOP Excused Absence Policy must be followed. Please refer to the official document for details. In case of emergency, the course coordinator must be notified within 48 hours of the emergency. Failure to do so will result in a zero (0) grade for that exam. Make-up exams will be prepared at the same or higher level than the original exam. The format of the make-up exam may be written or oral. Failure to attend a scheduled make-up exam will result in a zero (0) grade for that exam. Students missing an exam due to a University approved excuse will take the make-up exam during the week of finals, or as determined by the course coordinator. <http://www.ulm.edu/pharmacy/currents.html>

Late assignments will lose 5 points for each day beyond the due date. After 3 days beyond the due date, the assignment will not be accepted and will result in a grade of zero (0) for that assignment.

D. Academic Integrity: Faculty and students must observe the ULM published policy on Academic Dishonesty (see Page 4 of the ULM Student Policy Manual - <http://www.ulm.edu/studentpolicy/>). All professional students will adhere to the standards set forth in the College of Pharmacy's Code of Conduct (<http://www.ulm.edu/pharmacy/currents.html>).

Censures (Penalties)

Academic dishonesty will result in a referral to the Committee on Ethical and Professional Standards with a recommendation for a grade of "F" for the course and expulsion from the College of Pharmacy. Academic dishonesty includes, but is not limited to, the use of information taken from others' work or ideas, the provision of help to others on non-collaborative evaluations (tests, quizzes, etc.), collaboration on take home exams, or the use of unapproved information or electronic devices to assist in obtaining an answer to the question.

E. Course Evaluation Policy: At a minimum, students are expected to complete the on-line course evaluation as well as any evaluation administered in class by the College of Pharmacy. In addition, individual feedback is encouraged throughout the course.

F. Student Services: Information concerning student services in the College of Pharmacy can be found in the College of Pharmacy Student Handbook. In particular, students should pay special attention to the University's technical standards and policies concerning students with special needs (<http://www.ulm.edu/studentpolicy/studentpolicy.pdf>). ULM student services, such as the Student Success Center (<http://ulm.edu/cass/>), Counseling Center (<http://ulm.edu/counselingcenter/>), and Student Health Services, is available at the following Student Services web site <http://ulm.edu/studentaffairs/>. Students with special needs requiring accommodations MUST follow the process described at <http://rxweb.ulm.edu/pharmacy/student/specialneeds.pdf>.

Mental Wellness on the ULM Campus

If you are having problems with emotional, social, and/or behavioral issues please call any of the mental health clinics on the ULM campus to make an appointment. All services are free to ULM students, staff, and faculty, and are strictly confidential.

- COP Office of Student and Professional Affairs: 342-3800
- ULM Counseling Center: 342-5220
- Marriage and Family Therapy Clinic: 342-5678
- Community Counseling Center: 342-1263
- ULM HELPS (Helping Educators and Learners Prevent Suicide) Project Office: 342-1335

The University of Louisiana at Monroe strives to serve students with special needs through compliance with Sections 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. These laws mandate that postsecondary institutions provide equal access to programs and services for students with disabilities without creating changes to the essential elements of the curriculum. While students with special needs are expected to meet our institution's academic standards, they are given the opportunity to fulfill learner outcomes in alternative ways. Examples of accommodations may include, but are not limited to, testing accommodations (oral testing, extended time for exams), interpreters, relocation of inaccessible classrooms, permission to audiotape lectures, note-taking assistance, and course substitutions.

Title IX of the Education Amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including federal loans and grants. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. If you encounter unlawful sexual harassment or gender-based

discrimination, please contact Student Services at 318-342-5230 or to file a complaint, visit www.ulm.edu/titleix.

G. Emergency Procedures: Please review the emergency escape plan in the classrooms and hallways of the Bienville building. Move quickly and in an orderly manner to the appropriate stairwell and exit the building. The meeting place for this class will be the far end of the north parking lot between the Bienville building and Broadmoor Blvd. Under no circumstances is the elevator to be used for emergency evacuation. Any student needing assistance should notify the professor immediately. For emergencies, to contact University Police, call 1-911 from landlines and **342-5350 from cell phones**. **The course coordinators reserve the right to adjust the syllabus or schedule, in accordance with University and School policies and procedures.**

H. Discipline/Course Specific Policies: Students are responsible for all information on Moodle® and for information sent to their ULM email account. Students are expected to check these sources regularly to access class materials, required readings, assignments, and other information necessary for this course.

The use of programmable calculators and electronic devices capable of storing, receiving or transmitting data are prohibited during an exam or quiz unless expressly authorized by the course instructor. Such devices must be turned off and left with your belongings in the front of the room.

Federal Regulations require determination and verification of every students' physical location while enrolled in classes (where they are physically located while taking classes), regardless of the delivery method (on campus, online). At the beginning of every semester and whenever physical location changes, students must update or verify their current location through banner https://ssb-prod.ec.ulm.edu/PROD/bwggkogad.P_SelectAtypUpdate. Students should do this by the end of the first week of classes.

This course is a major requirement for the Doctor of Pharmacy degree. Completion of degree requirements leads to eligibility for professional licensure and/or certification in Louisiana upon graduation. Federal Regulations require universities to provide information to students about the alignment between Louisiana's requirements and those of other states. ULM has created a web page with discipline-specific information containing hyperlinks to Licensure Boards in the United States <https://www.ulm.edu/professional-licensure-disclosures/index.html>. Program Directors and/or faculty will discuss this information with you during advising or other program meetings but is also available to answer questions and address any concerns you might have. It is also important to note that licensure or certification requirements are subject to change. Although ULM Program Directors annually review and update licensure information for every state, the faculty recommends that before enrolling in a program and throughout enrollment, students communicate with the applicable state board to confirm understanding and whether upon completion of ULM's program, they will meet requirements.

X. Tentative Course Schedule**A. Contact Information:** Jessica Brady, PharmD, BCPS; brady@ulm.edu; 318-342-1697**B. Schedule:** *The coordinator reserves the right to adjust the schedule as needed.*

PHRD 5054 Hospital Pharmacy Practice Mondays 2:00 – 3:50 pm B170		
Date	Topic	Instructor
16-Aug	Course overview History of hospital pharmacy	Brady
23-Aug	ASHP's Practice Advancement Initiative	Savage
30-Aug	Legal and regulatory issues in health-systems <ul style="list-style-type: none"> • Practice standards • Quality management 	Brady
6-Sept	Labor Day	
13-Sept	Managing medication use <ul style="list-style-type: none"> • Formulary management • Medication utilization evaluation • Pharmacy and therapeutics committee 	Robertson
20-Sept	Sterile product preparation and administration	Barbo
27-Sept	Managing medication use <ul style="list-style-type: none"> • Medication safety • Patient safety 	Savage
4-Oct	Medication safety activities	Brady
11-Oct	Managing medication distribution <ul style="list-style-type: none"> • Medication distribution systems • Purchasing and inventory control • Controlled substances management • Financial management and cost control 	Guest (R. Cloud)
18-Oct	Managing people <ul style="list-style-type: none"> • Leadership and management • Pharmacy personnel 	Guest (L. Lemoine)
25-Oct	Using technology <ul style="list-style-type: none"> • Automation • Informatics • Electronic data management 	Guest (M. Mohundro)
1-Nov	Fall Break	
8-Nov	Health-System Pharmacy Practice Careers and Residency Training	Comeau
15-Nov	Ask the Health-System Pharmacists	Brady
22-Nov	PAI project presentations	Brady
29-Nov	PAI project presentations	Brady