

**PHRD 4047 Parenterals
CRN# 61109**

I. Contact Information

Course Coordinator & Instructor

ACPE APPENDIX 1

Pharmaceutical Sciences	Social/Administrative/ Behavioral Sciences	Clinical Sciences
Clinical Chemistry Extemporaneous Compounding Pharmaceutical Calculations Pharmacokinetics	Healthcare Systems Pharmacy Law & Regulatory Affairs Professional Communication Professional Development/Social & Behavioral Aspects of Practice	Clinical Pharmacokinetics Health Information Retrieval & Evaluation Medication Dispensing, Distribution & Administration Patient Safety Pharmacotherapy Public Health

V. Course Specific Objectives and Outcomes

The overarching objective for the course is to introduce the student to basic principles of parenterals.

At the end of this course, the student should be able to:

- Be familiar with parenteral access and administration techniques
- Comply with USP and other pharmacy regulations detailing the compounding of parenterals
- Utilize calculations to formulate parenterals
- Identify and utilize equipment used in the creation of parenterals
- Apply pharmacokinetic principles to various parenteral concepts
- Identify IV compatibility/stability issues
- Express an understanding of the pharmaceutical side of parenteral nutrition
- Identify issues affiliated with parenteral nutrition

VI. Course Topics (See Tentative Teaching Schedule)

VII. Instructional Methods and Activities

Instructional methods may include: team-based learning (TBL); traditional and technology-driven lectures; in-class discussion &/or activities; problem &/or case-based learning; group projects; distance learning; quizzes and exams; reflection essays and outside of class assignments/activities.

VIII. Evaluation and Grade Assignment (The instructor reserves the right to adjust these as needed)

- Attendance 5%
- Active Learning Exercises 20%
- Miscellaneous graded items 25%: in-class or out-of-class activities/assignments, quizzes, etc.
- Exams 50% total: Midterm 25%, Final 25%

An overall class grade of 70% is required to pass the course. The

course coordinator to take it at an alternate location &/or time. Those attempting to take an assessment outside of class or class time without consent from the coordinator will receive a grade of a zero for that assessment and they will be submitted to the Dean of Academic Affairs for cheating and violating the code of conduct/ethics.

Exams: A midterm and final examination will be administered during the course. The dates of exams and the material covered by each exam are mentioned in the *course schedule*. As student's knowledge of the course material builds throughout the semester, students may occasionally see some overlapping material, belonging to preceding lecture topics, asked in later progress exams.

Student Success & Remediation policies:

**Students scoring <70% on any exam and an overall exam average <70% (excludes quizzes, assignments, bonus, etc.) will be required to submit to the coordinator written, narrative responses to select lecture objectives that will be provided within 24 hours of the posting of their exam grade to Moodle. These objectives will be in the form of a Moodle assignment and represent unit-- or lecture-- level objectives to be tested upon in the next scheduled course exam.

Written responses must be submitted no later than one calendar week before the next scheduled exam. Responses must be written in complete sentences and may not be copied or pasted from any source, including class notes, treatment guidelines, textbooks, or any internet site. Submissions found to contain responses that have not been written in a student's own words will be considered a failure to submit.

In addition, students will be required to review each failed exam's ExamSoft-- generated missed item report with the course coordinator or instructor responsible for each section of material. The discussion should include the student's reasoning for the incorrect answer as well as the reason for the correct answer.

In addition to answering objectives as described above and reviewing missed item reports, first professional year students scoring <70% on any exam and having an overall exam average <70% (excludes quizzes, assignments, bonus, etc.) will meet with the Director of Professional Affairs.

Failure to submit this required assignment will result in ineligibility to remediate.

These policies are located at the following websites:

- **Student Success:** <http://www.ulm.edu/pharmacy/currents.html>
- **Remediation:** <http://www.ulm.edu/pharmacy/currents.html>

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

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:

Lecture materials/handouts

Access to computer with internet, ULM warhawks zoom account

B. Attendance Policy:

Tardies & leaving before dismissed will result in no credit given for that lecture

- **Periodic absence(s) during lecture may result in no credit for attendance activities/assessments missed while away.**

Class participation is expected of all students and credit may not be given towards attendance activities/assessments if a student is not participating in class.

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: (1) may prevent access to the classroom during regularly scheduled times; (2) may jeopardize a student's scholastic standing; (3) may prevent utilization of remediation and (4) may lead to suspension from the School or University. This course follows ULM's attendance policy located at the following website:

http://catalog.ulm.edu/content.php?catoid=23&navoid=2875&hl=attendance&returnto=search#Class_Attendance_Regulations_Excused_Absences

Any student who is not present for at least 75% of the scheduled class sessions in any course may receive a grade of "W" if this condition occurs prior to the last day to drop a course or a grade of "F" after that date. Any University-related activity requiring an absence from class will count as an absence when determining if a student has attended 75% of class meetings. Students are responsible for the effect absences have on all forms of evaluating course performance. Thus, the student is responsible for arranging the allowed make up of any missed work.

Excused absences will be determined using the guidelines stated in the University Catalog and the ULM College of Pharmacy. 00.00000912 0 612 792 reW* nBT/F3 11.04 TfB0 612 792 reW* nBT8b/F3g rs:11.04 Tf1 0 0 1 BT/F2 11.04

dropped off in the OSPA. The student should provide the course coordinator with the validated excuse within two business days of its validation.

Contacting Course Coordinator:

Contact information for the course coordinator is located in the syllabus; however, students are encouraged to pre-program the coordinators office phone number into their cell phones. Students may contact the Office of the Dean (318-342-

ULM student services, such as Student Success Center (<http://ulm.edu/cass/>), Counseling Center (<http://ulm.edu/counselingcenter/>), and Student Health Services, are 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.

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TENTATIVE COURSE SCHEDULE and MEETING INFORMATION

Note: The instructor reserves the right to adjust the schedule as needed

APPENDIX

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