



**School of Pharmacy Required Course Syllabus**  
**PHAR 6169 Practical Application Laboratory (PALS) IIIB**  
 Jan 20<sup>th</sup> – May 7<sup>th</sup>, 2026  
 Wednesdays 3:00-4:20pm | Campbell Building Rm 211

**Course Coordinator**

<b>William Campillo Terrazas, PharmD, MPH</b>	
Clinical Assistant Professor Office Phone: (915) 747-8267 Office Room Number: Campbell Room 316 Email: wcampilloterr@utep.edu	<b>OFFICE HOURS:</b> Thursdays, 3-5pm or by appointment ( <b>Booking link</b> ). Office hours will be offered either virtually or live by appointment only.

**Course Faculty**

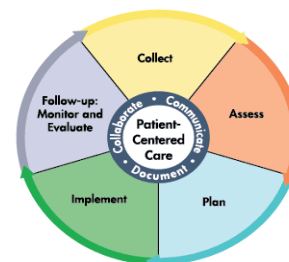
<b>Course Faculty/Instructors</b>				
<b>Faculty</b>	<b>Title</b>	<b>Office</b>	<b>Contact</b>	<b>Office Hours</b>
Mandi Bever, PharmD, MBA	Clinical Assistant Professor	CABL 718	<a href="mailto:mlbever@utep.edu">mlbever@utep.edu</a> (915) 747-8284	<i>By appointment</i>
Margie E. Padilla, PharmD, CDCES, BCACP	Clinical Professor	CABL 702	<a href="mailto:meperez@utep.edu">meperez@utep.edu</a> (915) 747-8532	<i>By appointment</i>
Nicole Dominguez Davis, PharmD, BCPS, BCOP	Clinical Assistant Professor	Virtual	<a href="mailto:nddavis@utep.edu">nddavis@utep.edu</a> (915) 747- 8390	<i>By appointment</i>
Sebastian Perez, PharmD	Clinical Associate Professor	CABL 712	<a href="mailto:sebperez@utep.edu">sebperez@utep.edu</a> (915) 747-8184	<i>By appointment</i>

**Office Hours**

Students are encouraged to request appointments with the course coordinator or individual faculty members via email. Course faculty will provide office hours on days when they are delivering lectures. To ensure availability, students should schedule appointments at least two (2) business days in advance. Virtual office hours will be conducted synchronously using a UTEP-approved platform (e.g., Microsoft Teams, Blackboard, or Zoom). These sessions are intended to address questions regarding course content, clarification of material, and course logistics. The course faculty will make every effort to respond to student inquiries as promptly as possible, typically within 24–48 hours during business days.

**Course Description**

Practical Applications Laboratory IIIB is an integrated body-system approach to patient assessment, clinical pharmacokinetics, pharmaceutical calculations, and pharmacogenomics within the scope of practice of specialized or acute care settings. PALS IIIB is an 80-minute weekly laboratory session aligned with ISBP pharmacotherapy course content.



Source: <https://doi.org/10.21019/9781582122564.ch6>

## Course Learning Objectives (mapped to national outcomes):

At the conclusion of this course, students should be expected to:

Course Objectives	COEPA 2022	NAPLEX 2025	Types of Activities to meet Learning Objectives	Assessment Measures	Level of Assessment (I) Introduce (R) Reinforce (A) Apply
Gather information necessary to evaluate patient drug therapy (both patient history and utilization of a chart)	1.1, 2.1, 2.4, 2.6	3.A, 3.C.1, 3.C.2, 3.D.1, 3.D.2, 3.D.3	Lectures, discussions, class activities	Assignments, Worksheets, Quizzes, Patient Cases	R, A
Perform a basic review of a patient's medication profile to identify medication allergies, correct doses, duplicate medications, and important drug interactions	1.1, 2.1, 2.4, 2.6	3.A, 3.C.2, 3.C.3., 3.C.4.			R, A
Apply mathematical principles (e.g., accurately perform dose calculations, kinetics) in pharmacy practice	1.1, 2.1, 2.4, 2.6	1.C.1., 1.C.4., 1.C.9			I, R
Apply mathematics to pharmacokinetics in drug therapy regimen design and patient assessment.	1.1, 2.1, 2.4, 2.6	1.C.1., 1.C.4., 1.C.9			I, R
Apply knowledge of pharmacogenomics including phenotypes and genotypes in management of drug therapy	1.1, 2.1, 2.4, 2.6	1.A.2			I, R

## Additional / Detailed Course Meetings & Location

Wednesdays from 3:00-4:20pm in Campbell Building Room 211

### Online Platform (Blackboard and CORE ELMS):

This semester the course will be taught using Blackboard as the primary learning management system. All lectures, handouts, and course material will be located in Blackboard. All experiential education materials will be located in CORE ELMS. The course is individualized and students may access lectures/handouts as they are made available by course instructors. Except in cases of a UTEP network being "down" or "offline" you are ultimately responsible to ensure that your computer is connected to the internet and that any issues are addressed prior to class and/or assessments.

The course coordinator reserves the right to adjust the syllabus or course calendar as needed to promote student learning and overall course success. Any modifications will be communicated to students through Blackboard and/or their UTEP Miners email account. Students are responsible for checking these platforms regularly to remain informed of announcements and updates.

### Methods of Instruction/Learning

UTEP or SoP may change to primarily online course if major disruption (e.g., pandemic, weather). For tips on succeeding in an online environment, see: <https://www.utep.edu/extendeduniversity/utepconnect/blog/february-2017/tips-for-online-learning-success.html>.

The learning outcomes in this course will be achieved via the following activities:

1. **Weekly Active Participation**
  - Attendance and active participation in class activities/assignments
2. **Weekly Assessments**
  - Pre-recorded/In-class Lectures
  - Assignments/Activities
    - Case discussions, SOAP notes, team assignments, documentation, quizzes, etc.
3. **IPE Experiences**
  - Provides simulated and/or real-world pharmacy practice experience

## Required Course Technology/Tools/Needs

### Required Online Resources

- EHR GO® provides an online, comprehensive customizable, and realistic simulated electronic medical record (EMR)
  - To log on: <https://web21.ehrgo.com/auth/login>
- Gradescope

### Calculator

- Students are expected to bring a non-programmable calculator to class and to all assessment activities.

### Software/Technology must be tested in orientation/first week of courses to ensure functionality

- iClicker®
- CoreELMS® for Experiential Learning

## Attendance

**Attendance for PALS IIIB is mandatory and will be taken in each class.** Tardiness will be assessed by laboratory course coordinators/instructors using in-class assignments (quizzes, activities, polls, etc.) at the beginning of each lab session. It is the responsibility of students to be on time and prepared for class to receive credit for the day's assignments. On time means being seated, prepared, and ready to participate in the lab at the time of the beginning of class. It is also the responsibility of the students to monitor their attendance throughout each week of the semester. Any discrepancies in attendance and/or tardiness must be addressed with the course coordinator no later than 24 hours from the contested date. If a student is caught falsifying or aiding others in falsifying attendance records, a Student Professionalism Report will be filed and forwarded to the Office of Community Standards at UTEP.

If a student has an excused absence, they should immediately:

1. Notify the course coordinator(s) and instructor(s)
2. Contact the Director of Student Affairs (Mrs. Carmen Ramos: [crtorres2@utep.edu](mailto:crtorres2@utep.edu)) via online form: <https://www.utep.edu/pharmacy/current-students/student-absence-form.html>
3. If absence is expected for IPE experiences, students must also contact the preceptor and Clinical Coordinator and carbon copy the Director of Experiential Education.

## Missed Quizzes/Assignments – Excused/Unexcused Absences

Due to the applied and experiential nature of the Practical Application Laboratory (PALS) IIIB course, attendance at all scheduled laboratory sessions, simulations, and experiential activities is required. Students are responsible for completing all course requirements and meeting all stated deadlines.

For absences that are **excused** in accordance with the UTEP School of Pharmacy Student Handbook, students may be required to complete assigned make-up work to demonstrate achievement of the associated learning objectives. Make-up work may take the form of an equivalent alternative assignment at the discretion of the course or laboratory coordinators. Credit for in-class activities (e.g., attendance, quizzes, real-time assessments) will not be awarded for missed sessions.

For **unexcused absences**, students will not be permitted to make up missed laboratory activities, quizzes, or assignments, and a grade of zero will be assigned for all components associated with the missed session.

Because laboratory activities are skill-based and interactive, **no points will be awarded for make-up work for missed laboratory sessions**, regardless of whether the absence is excused or unexcused. Exceptions will be considered only under extraordinary circumstances and will be evaluated on a case-by-case basis by course leadership. When approved, the course coordinator will determine an adjusted overall course score to account for missed coursework, in accordance with School of Pharmacy policies.

Students who miss **three (3)** laboratory sessions may not earn a final course grade higher than a **“C.”** Students who miss **four (4) or more** laboratory sessions will receive a final grade of **“F.”** Completion of all required laboratory work is mandatory to be considered eligible for course remediation.

Experiential education activities may occur outside of scheduled class hours, including evenings, weekends, and university holidays. Students are expected to plan accordingly and ensure availability for all required experiential components.

### Simulation and Experiential Activities

- Any **unexcused absence** from a required simulation activity will result in a **grade of zero** for that simulation.
- Any **unexcused absence** from an Interprofessional Practice Experience (IPE) activity will result in **failure of the course**, in accordance with the UTEP School of Pharmacy Student Handbook.

### Expectations of Students During Course

Students are responsible for actively monitoring their academic progress throughout the course and ensuring that they are meeting the required competency and performance standards. Students are expected to seek guidance and support from the course facilitator in a timely manner if they experience academic, professional, or skill-based challenges.

During any Interprofessional Practice Experience (IPE) activities, students must comply with all policies established by the Office of Experiential Education (OEE), including dress code requirements, attendance expectations, and standards of professional conduct. Students are expected to always demonstrate professionalism. Additional details and expectations are outlined in the OEE Student Handbook, which students are responsible for reviewing and adhering to.

### Evaluation and Grading Policy

Course point distribution will be as follows:

Type of Assessment	% Course Grade
<b>Weekly Lab Assignments/Quizzes/Labs</b> <ul style="list-style-type: none"> <li>• 100 points per week</li> <li>• <b>Lowest week's score will drop at end of semester</b></li> </ul>	100%
<b>Syllabus Acknowledgement*</b>	Pass/Fail
<b>IPE*</b>	Pass/Fail
*Students <b>MUST</b> pass the associated experiences/assignments to pass the course.	

#### Assignment of grades:

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

**Late Assignments:** All late submissions will be subject to a deduction of 10% for each day it is late for up to five calendar days beginning from the time that it is due. Late submissions will not be accepted beyond five calendar days.

**IPE Grade:** Students must pass Didactic and Experiential (IPE) components (for example: paperwork, hour documentation, etc) of the course to pass the course. If a student fails to pass the components, they fail the course and must follow UTEP School of Pharmacy remediation policy.

## **Questions Related to the Course and Grading/Exams**

### **1. Course Content and Material**

- Questions regarding overall course structure, policies, or logistics should be directed to the course coordinator. Questions related to specific content or instructional material should be addressed to the respective content instructor within five (5) business days of the material being presented.

### **2. Assignments and Examinations**

- Questions or concerns related to assignment or examination grades must be communicated to the course coordinator within five (5) business days of grades being posted.

### **3. Regrade Requests**

- Requests for re-evaluation of assignments, quizzes, or examinations must be submitted within five (5) business days following the posting of grades. Regrade requests must include a clear rationale and supporting justification. Requests submitted after this period will not be considered, unless the student was absent due to documented extenuating circumstances.

## **Additional Course Policies**

Please refer to the Common Syllabus for additional course policies that apply to all School of Pharmacy courses.

### Course Calendar Overview

Week – Date	Content	Activities	Instructor
1 – Jan 21 <sup>st</sup>	<b>Asynchronous Course Orientation in Blackboard</b>		
2 – Jan 28 <sup>th</sup>	Renal Dose Adjustments	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Campillo Terrazas
3 – Feb 4 <sup>th</sup>	Phenytoin PK & Calculations Part 1 – Initiation	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Campillo Terrazas
4 – Feb 11 <sup>th</sup>	Phenytoin PK & Calculations Part 2 – Maintenance	iRAT (25 points) tRAT (25 points) Application Activity (25 points) Post-Lab Quiz (25 points)	Bever
5 – Feb 18 <sup>th</sup>	Phenytoin PK & Calculations Part 3 – Order Verification	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Perez
6 – Feb 25 <sup>th</sup>	ICU Part 1 – Pain, Agitation, & Delirium	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Campillo Terrazas
7 – Mar 4 <sup>th</sup>	ICU Part 2 – ICU Order Entry	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Perez
8 – Mar 11 <sup>th</sup>	ICU Part 3 – ACLS & Epi-Pen Training	iRAT (25 points) tRAT (25 points) In-Class ICU NAPLEX Quiz (25 points) Application Activity (25 points)	Bever
9 – Mar 18 <sup>th</sup>	<b>Spring Break NO CLASS</b>		
10 – Mar 25 <sup>th</sup>	Pain PK & Calculations Part 1	iRAT (25 points) tRAT (25 points) Application Activity (25 points) Post-Lab Quiz (25 points)	Bever
11 – Apr 1 <sup>st</sup>	Pain PK & Calculations Part 2	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Perez
12 – Apr 8 <sup>th</sup>	Principles of Pharmacogenomics Part 1	Pharmacogenomics Activity (100 points)	Padilla
13 – Apr 15 <sup>th</sup>	Principles of Pharmacogenomics Part 2	Pharmacogenomics Activity (100 points)	Padilla
14 – Apr 22 <sup>nd</sup>	Chemotherapy Calculations Part 1	iRAT (25 points) tRAT (25 points) Application Activity (50 points)	Davis (virtual + live/synchronous)
14 – April 24 <sup>th</sup>	<b>Interprofessional Practice Experience (IPE)</b>		
15 – Apr 29 <sup>th</sup>	Chemotherapy Calculations Part 2	Quiz (25 points) Application Activity (75 points)	Davis (virtual + live/synchronous)
16 – May 6 <sup>th</sup>	PALS Comprehensive Overview	Participation Worksheet (100 points)	Campillo Terrazas
Finals Week	<b>No PALS IIIB Final</b>		