



School of Pharmacy - Required Syllabus
Fall P2 PHAR 6266/ Track: ISBP
Practical Application Laboratory IIA (IPPE 5 hours)

Course Coordinator:

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Office Hours: Tuesday 3:50pm to 5:00pm

Faculty	Title	Office	Contact	Office Hours
Jeri Sias, PharmD, MPH	Clinical Professor	CABL 714	jjstias@utep.edu 915-747-8599	By appointment

Additional Faculty	Title	Contact	Office Hours
Vickie Howe, PharmD, BCPS	IPPE Coordinator	vlhowe@utep.edu 915-747-8270 CABL 705	By appointment
Sweta Andrews, MBA, BCACP	Shadow Health Clinical Assistant Professor	sandrews@utep.edu 915-747-8183 CABL 713	By appointment
Armando Stuart-Gonzalez, PhD	Complementary and Integrative Medicine	Asgonzalez1@utep.edu 915-345-0741	By appointment

TEACHING Assistants	Title	Office	Contact
Sandra deAnda, PharmD	Clinical Instructor PGY1 Community Based Resident	CABL 516-7	sdeanda@utep.edu
Shelby Ramion, PharmD	Clinical Instructor PGY1 Community Based Resident	CABL 516-7	sramion@utep.edu

Biographical sketches of course faculty can be found on the following UTEP website:
<http://www.utep.edu/pharmacy/people/faculty.html>

Course Description

The Practical Applications Lab is a 2-semester credit course for P2 pharmacy students. It is comprised of a 3-hour laboratory session (1.5 hours per credit hour) each week. This course aligns with the pharmacotherapy course content while integrating nonprescription medication, complementary and integrative health, patient assessment skills, and point-of-care devices. Through written and practical exams, students will demonstrate a thorough knowledge of anatomy, physiology and common patient examination techniques.



<http://pharmacylibrary.com/doi/book/10.21019/9781582122564>

Pharmacists' Patient Care Process (PPCP): This course will help students utilize the concepts of pathophysiology, pharmacology, and therapeutics to be able to **collect and assess** patient information using safe and effective assessment skills (Past medical history, Current medications, Physical assessment, Point-of-Care) of various disease states. Further students will work with patients to plan and implement a **self-care plan**. Students will be able to use the PPCP to **communicate** information about assessment findings and self-care education to patients.

Office Hours (Tuesdays 3:50pm to 5:00pm)

Questions related to the course in general should be directed to the facilitator, whereas content/topic-specific questions should be directed to the instructor.

Students are strongly encouraged to initially post course questions related to content/topics to the Blackboard site for this course. Faculty Instructors will monitor and respond to these questions. Further assistance with course related materials or for all other issues, please see the information below to attend or schedule an in-person appointment during office hours.

Guest lecturers will provide office hours based on appointments. Students can request an appointment in person or via e-mail. All appointments should be made at least 48 hours in advance.

Course Meetings & Location

Campbell Building Classroom # **B-32**
Tuesdays 1-3:50pm

In a major disruption (e.g., H1N1 epidemic, subzero weather), be prepared to maintain course progress via other means (e.g., Internet, our Blackboard course shell, etc.) and check your email (especially your UTEP miners account) regularly.

Online Platform/Blackboard:

Accessing Course Content on Blackboard: All lectures, handouts, and course material will be located in Blackboard. Log into My UTEP.edu and click on the Blackboard link to access the online course for PHAR 6266. 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.

Online Assessment Requirements:

This course requires the use of ExamSoft® (or CORE ELMS®). Students are responsible for creating their online login within the first week of class. If you cannot access your online account, please contact Dr. Jessica Shenberger (jmshenberger@utep.edu) to resolve this issue. If you cannot access your online account to CORE ELMS®, please contact Ms. Alma Dominguez (arsaldana2@utep.edu). Students are responsible for ensuring they have access to the online assessment system. Assessments (e.g., assignments, quizzes, and exams) may be disseminated before the due date. This requires students to download the assessment using an internet connection. It is the student’s responsibility to maintain access to a reliable internet connection (with the rare exception of when UTEP’s systems are down).

CAPE Educational Outcomes

The Center for the Advancement of Pharmacy Education (CAPE) has defined educational outcomes to guide the PharmD curriculum (see AACP CAPE Outcomes [weblink](#)). The content of this course will cover the following CAPE educational outcomes. **Level of Assessment:** 1 – Introduce 2 – Reinforce 3 – Apply

CAPE Outcomes		Level of Assessment
2.1	Patient-centered care (Caregiver) - Provide <i>patient-centered care</i> as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).	1,2
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.	1,2
3.2	Educator (Educator) Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.	1,2
3.6	Communication (Communicator) Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.	1,2
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.	1,2
PCOA Outcomes		
4.5.1	Recognize the proper use of nonpharmacologic therapies, including complementary and alternative medicines	1,2
4.6.1	Describe techniques for obtaining a comprehensive patient history	1,2
4.6.2	Describe how to perform patient physical assessments: inspection, palpation, percussion, auscultation	1,2
4.6.3	Differentiate between normal physical assessment findings and modifications caused by common disease states and drug therapy	1,2
4.6.4	Interpret common clinical laboratory values and diagnostic tests	1,2
4.6.5	Perform calculations related to patient assessment: BMI, CrCl, lab adjustments	1,2
4.6.6	Describe the use of OTC point-of-care testing devices: glucometers, pregnancy tests, home testing for HbA1c, drug screening	1,2

Course Learning Objectives

OBJECTIVE	CAPE OUTCOMES	PCOA NAPLEX	LEARNING ACTIVITIES	ASSESSMENT
Identify the patient care process (collect, assess, plan, implement and follow-up)	2.1	4.6.1	Readings, videos, online simulation, live simulation and application, pod-cast	Written exam, practical exam, online quizzes
Demonstrate the patient care process and its role in assessment	2.1, 2.3, 3.2	4.6.1		
Differentiate normal from abnormal physical findings for body systems covered in class	3.6	4.6.2; 4.6.3		
Describe the normal physiology of the major body systems covered in class	3.6	4.6.2; 4.6.3		
Accurately record and calculate the results of a physical examination	3.6	4.6.4, 4.6.5		
Demonstrate the skills needed to perform patient assessment in the clinical environment	3.2, 2.6, 4.4	4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, 4.6.6		
Demonstrate skills needed to performance patient assessment utilizing point of care devices	2.3	4.6.6		
Demonstrate knowledge and understanding of over-the-counter medications, herbals and supplements and their role in assessment	2.3	2,3.2 4.5.1		

Introductory Pharmacy Practice Experience (IPPE)

IPPE hours and activities have been assigned to this course. Students will be responsible to complete a total of five hours as part of this course (3 hours Site, 2 hours Simulation). The IPPE requirements of the course (e.g. site assignments) will be coordinated by Dr. Vicki Howe with guidance from the Office of Experiential Education. At the complete of the Site IPPE activity, students should be able to:

1. Triage and immunize patients according to vaccine schedules and guidelines

To guide this experience, students will complete a checklist/activity documenting the achievement of each learning objective. Specific information regarding these elements will be available to students in the Blackboard Course and CORE ELMS as appropriate.

During the semester, students will select IPPE slot preferences through CORE ELMS. Please refer to CORE ELMS for specific dates from which they may select to schedule IPPE hours.

At all times during the IPPE, students are expected to follow OEE policies, including the dress policy, and maintain professionalism. Refer to the OEE handbook for details. Additionally, while at IPPEs, students are always expected to carry with them their Texas State Board Trainee Letter/Intern Card. Students must always have readily available electronically on CORE ELMS® the following: Unexpired BLS CPR Card, HIPAA Training Certificate, Bloodborne Pathogen, etc. Refer to OEE Handbook for a complete list. Failure to exhibit credentials will result in the student being asked to leave the pharmacy site. Eligibility to return to site is determined by the preceptor and the Experiential Programs Director.

Expectations of Students During Course

Students are expected to review relevant anatomy and physiology, read assignments prior to class, engage in class, participate on online virtual simulation activities, and laboratory activities. The mandatory laboratory sessions are to be utilized to develop skills for recommending over-the-counter and complementary products while practicing techniques for assessment and point-of-care use.

Methods of Instruction/Learning

Provide a list of the methods of instruction and/or learning used in the course. Use the following as an example.
The learning outcomes in this course will be achieved via:

1. **Outside Preparation:** watch course lectures/videos via blackboard, respond to colleague's postings via blackboard, prepare weekly assignments for group discussion in class
2. **In-class Demonstration/lecture:** Introduces and reinforces concepts related to co-curriculum
3. **Written Assignments:** demonstrate the course ability outcomes and permit instructors to provide necessary feedback
4. **In-class worksheets, labs, and activities:** provides opportunities to review baseline knowledge and develop/practice self-care, point of care, and patient assessment skills.
5. **Exams/(OSCE) Observed Structure Clinical Examination** – allows students to demonstrate the course ability outcomes

Required Course Technology/Tools/Needs

Required Textbooks/Online Resources:

- Jones, Rhonda M. Patient Assessment in Pharmacy Practice. 3rd ed. Wolters Kluwer. 2015.
- Eds. Krinsky DL, Berardi RR. Handbook of Nonprescription Drugs, 19th edition (online). UTEP Library. American Pharmacists Association. 2018.
- Community Pharmacy-Based Point-of-Care Testing Certification (One-time fee)
- USP Herbal Medicines Compendium (Online). UTEP Library.
- Herbal Safety (UTEP Website): <http://www.herbalsafety.utep.edu>
- **Shadow Health Digital Clinical Experience™ (DCE)**: Provides a clinical simulation designed to improve your assessment skills in a safe learning environment. You will examine digital patients throughout the course that are accessible online 24/7.
 - For registration and purchase
 1. Registration directions: <http://link.shadowhealth.com/How-To-Register>
 2. If you already have a Shadow Health account, you do not need to register for an additional student account. To add a course to your existing account. All you will need to do is to log in to your account and follow the following instructions:
 - a. Click the teal "add a course" button on the top right of your screen.
 - b. Enter Course PIN: **5737-3561-7809-545**
 - c. If you need additional guidance, please follow these instructions:
<http://link.shadowhealth.com/How-To-Add-A-Course>

Optional Textbooks:

- Bickley, L. Bates' Guide to Physical Examination and History Taking, 12th ed., Philadelphia: J.B. Lippincott, 2016.
- Bates' Pocket Guide to Physical Examination and History Taking
- Bates' Visual Guide to Physical Examination

Required Equipment:

- 3M Littmann Master Classic II 27" Stethoscope or Classic III™ 27" Stethoscope

Optional Equipment:

- Blood pressure cuff
- Pen lights
- Reflex Hammer

Laptop Computer

- Students are expected to bring laptop computers to the class each day for participation in on-line exercises or assessments. It is the responsibility of the students to make sure that the laptops are in working condition and meets the University and School of Pharmacy IT requirements. (See SOP Student Handbook)

Evaluation and Grading Policy

Course point distribution will be as follows:

Type of Assessment	Total Points	% Course Grade
Midterm Written Exam	100	20%
Midterm Practical Exam (SIM IPPE link)	100	20%
Final Written Exam	100	20%
Final Practical Exam (SIM IPPE link)	100	20%
Pre-lab Quizzes	100	10%
Site IPPE	Pass/Fail	Pass/Fail
Shadow Health Assignments	100	10%
Total	600	100%

*Need at least 70% on both practical exams to pass the course

Assignment of grades:

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

**Point earned/percentage may not be rounded-up*

All written exams will be administered via ExamSoft®, unless noted otherwise. All practical exams will be conducted in a simulated pharmacy/clinic setting where students are expected to dress professionally, bring appropriate assessment materials (e.g., stethoscope or other relevant items) and wear white lab coats. Students will not be able to use cell phones during the assessment exams.

It is the responsibility of the **student** to monitor his/her progress during the course and see that he/she is maintaining the required competency level. Students should seek advice and assistance from the course facilitator as soon as he/she encounters any difficulty in the course.

WEEKLY ASSIGNMENTS:

Students will be expected to complete weekly assignments to assist in preparation and/or formative assessment of the written and practical exams. Weekly assignments will be in one of the following formats:

- 1) Mini-assessment toward the end of class demonstrating formative understanding of how to perform a physical assessment procedure, use a point-of-care device or durable medical equipment, and/or demonstrate use of an over-the-counter/complementary alternative medicine (assessed from range of full understanding (100%) to no understanding (0%))
- 2) Quiz

Shadow Health ASSIGNMENTS:

- 1) You will need to complete a total of assignments on Shadow Health.
- 2) All shadow health assignments are due on **Monday by midnight**. Please refer to the Shadow Health assignment due dates outline for specific due dates.
- 3) Each assignment is worth 10 points, and you will score based on percent obtained on each Shadow Health assessment.

Missed Quizzes / Exams / Assignments Policy

Only students who miss an exam, quiz, or an assignment due date as a result of an **excused absence** will be allowed to make-up the missed assignment or assessment; in some cases, the same exam, quiz, and/or assignment may not be feasible and an alternative assignment designated by the course coordinator will be made available. In-class pop-quizzes will not be allowed to be made up for students who miss class either for an excused or unexcused absence or who are tardy for class. Students should consult the UTEP School of Pharmacy Student Handbook for definitions and examples of excused absences.

Students with unexcused absences will not be permitted to make up any exam, quiz, or assignment(s) and will receive a grade of zero. Any unexcused absence will also result in a 10% deduction of the overall course grade.

Failure to complete the necessary assessments and/or schedule a meeting with the designated faculty advisor may result in an incomplete for the course.

Excessive tardiness (> 2 instances) will be reported to the Office of Student Affairs. Any missed work due to tardiness will not be permitted for make-up. Grade deductions proportionate to the time tardy for class will be applied to assignments (i.e. 10% class time missed due to tardiness = 10% grade deduction on the assignment), and the minimum grade penalty for tardiness is a 5% deduction. If class does not include an assignment (i.e. guest lecture series, etiquette exercise, etc.) entry into the classroom after the session has started will be recorded as an unexcused absence for the day; see the above policy for grade reduction related to unexcused absences.

Assignments with a scheduled due date and time with submission passed the established date/time requirements will receive a grade penalty of 10% per calendar day. *Example: Assignment #2 is due 10/12 at 1pm, starting at 1:01pm on 10/12 a 10% grade penalty will be recorded; on 10/13 at 1:01 a 2nd 10% grade penalty will be applied and so forth until zero is reached.*

Remediation Policies:

Please refer to the Student Handbook for end-of-course remediation policies and timelines (*see Table of Contents for End of Course Remediation*).

Technical Assistance

Shadow Health Technical Support:

Contact Shadow Health with any questions or technical issues regarding Shadow Health before contacting your instructor.

Support is available at <http://support.shadowhealth.com>

Advanced Technical Support Hours

Mon - Fri 9:00 AM - 9:00 PM ET

Sat - Sun 12:00 PM - 9:00 PM ET

Call or Email assistance:

- Toll Free:800-860-3241
- support@shadowhealth.com

Login page: <http://app.shadowhealth.com>

Technical requirements

1. Review requirements: <http://link.shadowhealth.com/Minimum-System-Specifications>
2. Tablets and mobile devices are currently not supported.

To use Speech-to-Text, you must complete assignments in Google Chrome.

If you are off campus, you may need to set up a Virtual Private Network (VPN) in your computer to access UTEP resources for this class (i.e. Library). The link below provides information for you to set up a VPN connection depending on your operating system. You can contact the Help Desk for assistance (See Technical Assistance information).

<http://admin.utep.edu/Default.aspx?tabid=58534>

If you are experiencing technical problems with the course, please contact the UTEP Helpdesk during: M-F: 8AM – 5PM. Calling within UTEP: 915.747.4357. Calling outside UTEP: 915.747.5257. For more information, please visit <http://helpdesk.utep.edu>.

You can also visit an on-campus lab such as the ATLAS lab located within the Undergraduate Learning Center (UGLC building) for additional technical assistance. So that UTEP can continue to provide a stable learning environment, 12:00-6:00am Mountain time on Thursdays is reserved for minor preventive maintenance. This maintenance window is scheduled during the lowest usage time for the system. Blackboard may or may not be available during this time, depending on whether maintenance is necessary. Whenever possible, this time will be utilized to perform all minor maintenance. Unscheduled outages occur rarely, but they do happen. In the event of an unscheduled outage, Course Development and Technology Support will confer with Student and Faculty Services to provide appropriate notifications to those affected including faculty, staff and students.

Attendance and Classroom/Lab Behavior

It is expected that students should demonstrate their commitment to the profession and respect for faculty, guest speakers, and colleagues by attending all classes/labs and arriving to class/lab on time prepared for the day's lesson(s). **Attendance will be recorded with each session. Grade deduction for tardiness of 0 to 15 minutes will proportionate to time (e.g., 5-minutes late = 5% deduction) and deducted from pre-lab quiz. Tardiness greater than 15-minutes or an unexcused absence will be counted as a "zero" for the pre-lab quiz for the day missed.** Students will responsible for the information which may be included on exams.

If you have an excused absence, you should immediately notify the course coordinator and instructor. The doctor's note or any other form in support of the excused absence should be provided to the course coordinator as soon as possible. There will be one review session before midterm and before final to provide an opportunity for make-up, review, question and answer.

As a required course in a professional curriculum, attendance is required for all lecture and laboratory sessions. Lab instructors will record student attendance for the laboratory sections. Students, regardless of the reason for absence, are still responsible for the material covered and must complete all examinations as scheduled.

Unique Dress Policy for Course: Students are required to attend lab in the following attire: conservative tank top, long shorts/work-out clothing, and easy to remove shoes/flip flops. Sweat pants and long-sleeve shirts may be worn when you are not being examined. Failure to present to lab in the correct attire will be treated as an unexcused absence. Students who are not able to meet dress code must request in writing to the instructor for consideration for the duration of the course. This request must be presented to Drs. Sias & Padilla prior to the first laboratory session. Students will also be required to bring stethoscope and professional demeanor to each class/OSCE.

During OSCEs, professional dress and white lab coat must be worn.

Exam Day Policy

Successful completion of PHR 6266 includes 2 equally weighted non-comprehensive examinations. Each exam will have both a written and practical portion. The written portion will be worth 40% of the exam score while the practical portion will be worth 60% of the exam score. The written portion will occur during the regularly scheduled lecture time. The practical portion will occur during the regularly scheduled lab time. For the practical portion, students will be randomly scheduled to complete the exam.

Exam Day Policy for Written Exam

1. **Seating:** Randomized assigned seating will be utilized for each examination.
2. **Room:** Students must arrive to room 15 minutes ahead of examination. Students are not permitted to be in the examination room prior to assigned seating. If the student arrives late to the examination a grade penalty can occur as stipulated by the syllabus. No additional time will be provided for the examination. If another student has already completed his/her exam and left the exam room when an unexcused late student arrival occurs, the late arrival will not be permitted to sit for the exam and will receive a grade of zero.
3. **Exams**
 - a. Electronic exams need to be downloaded at a minimum 2 hours prior to the examination to avoid a grade penalty as dictated in the syllabus (See Missed Exams/Quizzes/Assignments). Repeated instances (> 1 time) of not downloading electronic exams will result in a referral to the professionalism committee on the SOP Progression Committee.
 - b. Students are responsible for having a computer for electronic exams. Computers are available to check-out as a loan for exams from the ILC, and students should make early arrangements for securing computers. Students who show up without a computer to take an electronic exam will (1) be provided a paper exam, (2) may receive a grade deduction as stipulated in the course syllabus, and (3) will receive a professionalism referral to the SOP Progression Committee.
4. **Availability of items during exam**
 - a. By default, faculty will provide scratch paper for examinations, unless faculty determines scratch paper is not necessary in which case students will receive advance notice that scratch paper will not be provided. Only faculty will provide scratch paper, and only scratch paper provided by the School of Pharmacy can be used during the examination. Any scratch paper utilized during an examination must have the student's name on every page and all pages must be turned in at the completion of the examination. Any exemption will be noted accordingly in the syllabus.
 - b. No backpacks, purses, hats, large coats, and/or other bulky clothing permitted; these items need to be left outside the examination room or in an area in the exam room designated by the faculty/proctor.
 - c. No food or drink allowed
 - d. No electronic devices (for example: watches, phones, calculators, etc.) are permitted on the student during an examination unless approved by the instructor prior to the examination or inspected upon entry into the exam room for approval. A specific model for calculators

- may be specified in the course syllabus or provided in advance of the examination to students.
- e. Disruption of examination time due to an electronic device can result in a grade penalty as stipulated in the syllabus.
 - f. Bathroom break: No bathroom breaks permitted during examinations unless a prior accommodation is made. Faculty maintain discretion over the permissibility of bathroom breaks; students should expect that a proctor will accompany them to the restroom and will wait outside the restroom if permission for restroom use is granted. No additional time will be provided for examinations when restroom breaks occur.

UTEP and SOP Policy for Academic Integrity

See Student Handbook

Professionalism and Professional Conduct

See Student Handbook

UTEP and SOP Policy for Special Accommodations (ADA)

“If you have or suspect a disability and need classroom accommodations, you should contact the Center for Accommodations and Support Services (CASS) at 747-5148.” You can also e-mail the office at cass@utep.edu or go by their office in Union Building East (Room 106). For additional information, visit the CASS website at <http://sa.utep.edu/cass/>

General Statement About Course Policy

The syllabus is subject to change to meet course needs, especially if there are unexpected disruptions or changes in class size, resources, etc. The most updated syllabus can be found on the course Blackboard shell. It is your responsibility to review the syllabus periodically for updates.

Additional Information

Campus Concealed Carry:

Effective August 1, 2016. <http://sa.utep.edu/campuscarry/>

Civility Statement:

Students are expected to follow basic standards of courtesy (<http://admin.utep.edu/Default.aspx?tabid=73922>) and may be dismissed from class for blatant or sustained disruptive behavior

Cell Phone Policy (Optional for Faculty to adapt or not)

All cell phones must be turned off before the beginning of the class. If a student forgets to turn it off, he/she will have to leave the classroom and may only return with the instructor’s permission.

Student Support:

UTEP provides a variety of resources for those in need (e.g., if you feel overwhelmed, stressed or dealing with a crisis):

- UTEP's Counseling Center (free counseling to all students): 747-5302, which after-hours goes to a crisis line
- Mental Health Crisis Line: 779-1800
- National Suicide Prevention Hotline: 1-800-273-8255
- Veterans Crisis Line: 1-800-273-8255
- NAMI (National Alliance Against Mental Illness) of El Paso: 534-5478
- <http://caringeducators.tumblr.com/survival>

Title IX:

Title IX of the Education Amendments of 1972 (Title IX), prohibit discrimination on the basis of sex in education programs or activities operated by recipients of Federal financial assistance. Sexual harassment of students, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. Sexual violence refers to physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent due to the victim's use of drugs or alcohol. An individual also may be unable to give consent due to an intellectual or other disability. A number of different acts fall into the category of sexual violence, including rape, sexual assault, sexual battery, sexual coercion, stalking, and relationship violence. All such acts of sexual violence are forms of sexual harassment covered under Title IX.

In accordance with Title IX of the Education Amendments of 1972, UTEP does not discriminate on the basis of sex in the operation of its educational programs and activities. This commitment to non-discrimination applies to both employment in and admission to such programs and activities. [Link to full text at <http://admin.utep.edu/Default.aspx?tabid=68750>]

