



School of Pharmacy
Elective Course Syllabus

Spring P2/P3

Course # PHAR 6170 / Track: ISBP

Course Dates (e.g., January 19 – March 9, 2022)

Scheduled Course Time: Thursday 4-5:50 pm

Location: Campbell Rm 202: Hybrid (Live / Virtual)

Course Coordinator

Harleen Singh	
Office Room Number: 515 Office Phone: (915) 747-8189 E-mail: hsingh3@utep.edu	OFFICE HOURS: <i>By appointment</i>

Course Co-Coordinator

Alaa K Abdelhakiem	
Office Room Number: 717 Office Phone: (417) 225-0325 E-mail: akabdelhakie@utep.edu	OFFICE HOURS: <i>By appointment</i>

Office Hours Statement

The coordinators will hold weekly office hours by appointment (in-person /virtual). Students can book an appointment with Dr. Singh and Dr. Abdelhakiem using the Microsoft Bookings link available in Blackboard.

Course Description

This 1-credit hour elective course will build upon the foundation of cardiology topics covered in the Integrated Systems-Based Pharmacotherapy (ISBP). This is a concentrated learning experience where the student will gain a breadth of knowledge when it comes to taking care of patients with cardiac problems. The student will gain practical insight into the pharmacotherapy related to treating hypertension, heart failure, myocardial infection, unstable angina anticoagulation, and atrial fibrillation in the inpatient and outpatient settings. Every week students will work through simulated cardiology cases encountered in clinical practice. Students will develop the skills to review patient’s profile for appropriateness of drug therapy, assist in the pharmacokinetic monitoring on all therapeutically monitored drugs, and educate patients prior to hospital discharge and in the ambulatory setting. Topic discussions, referring to the guidelines and reading key articles will be used to help develop the student's patient care skills for cardiovascular diseases.



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

Course Meetings & Location

This course will meet on Thursdays from 4-5:50 pm in Campbell Room 202. There may be limited asynchronous sessions which will be noted on the course calendar.

Course Learning Objectives

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

Course Objectives	CAPE ¹	PCOA ²	NAPLEX ³	EPA ⁴	Learning Activities	Assessment Measures	Level of Assessment ⁵
Demonstrate functional knowledge of cardiovascular clinical topics including disease state management, therapeutics, calculations, etc. (1.1.1)	1.1.1		1.5		Topic discussions	Quiz	R
Demonstrate ability to implement the pharmacist's patient care process including the following components: collect necessary patient information, assess information collected, develop individualized patient-centered care plan, implement care plans, and provide appropriate monitoring	2.1.1, 3.1.1	4.6 4.7	3.1-3.12	1,3,5 9	Simulated Patient case discussions	Case Assignments Quiz Case presentation	R
Retrieve, analyze, and interpret the professional, lay, and scientific literature to make informed, rational, and evidence-based decisions	1.1.4, 2.1.2	4.1	1.7, 3.11	2, 13	Patient Cases Journal club	Journal club presentations	R, A
Understand and apply essential concepts, emerging topics, and areas of controversy in both the literature and clinical guidelines for cardiovascular diseases	2.1.1, 2.1.2, 3.6.6	4.7	1.7, 3.11	13	Patient Cases Journal club Infographics	Case Assignment, Patient case discussions	R, A
Use the simulated patient cases to gather and organize relevant patient information to prioritize medication-related problems and develop a treatment plan	2.1.1, 2.1.2, 3.1.1, 3.1.2	4.7	3.3, 3.9	6	Patient cases	Case Assignments Patient case discussions	R, A
Demonstrate effective communication skills and exhibit professional behavior	2.1.4, 3.6.1, 3.6.6, 4.4.1, 4.4.2)	4.1		12	Journal Club Team Presentation	Journal Club Presentations Case presentations Infographic presentation	R, A

1. Medina MS, Plaza CM, Stowe CD, et al. Center for the Advancement of Pharmacy Education 2013 educational outcomes. *Am J Pharm Educ.* <https://www.aacp.org/sites/default/files/2017-10/CAPEoutcomes2013%20%281%29.pdf>

2. [PCOA Content Areas](#). Updated August 2016. Accessed December 4, 2020.

3. [NAPLEX Competency Statements](#). Updated January 1, 2021. Accessed December 4, 2020.

4. UTEP SoP Entrustable Professional Activities (adapted from [AACP Core Entrustable Professional Activities for New Pharmacy Graduates](#))

- a. EPA 1: Collect information to identify a patient's medication-related problems and health related needs
- b. EPA 2: Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs
- c. EPA 3: Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective
- d. EPA 5: Follow-up and monitor a care plan
- e. EPA 6: Provide culturally and linguistically appropriate care
- f. EPA 9: Minimize adverse drug events and medication errors
- g. EPA 10: Maximize the appropriate use of medications in a population
- h. EPA 12: Educate patients and professional colleagues regarding the appropriate use of medications
- i. EPA 13: Use evidence-based information to advance patient care

5. (I) introduce, (R) reinforce, (A) apply

Course Needs

Please check your course Blackboard shell regularly (minimum three times per week) and your email (minimum once daily) to keep updated with course announcements, assignments, and any alterations to the schedule.

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 6170 – Special Topics Therapeutics. 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.

Methods of Instruction/Learning

The learning outcomes in this course will be achieved via:

1. Live Lectures
2. Journal Club and Case assignments
3. Case discussions
4. Quizzes
5. Creating leaning material

Evaluation and Grading Policy

Course point distribution will be as follows:

Type of Assessment	Evaluation	% Grade
In-Class Participation/Attendance	<ul style="list-style-type: none"> • 8 Class Sessions 	30%
Pre-Class Assignments	<ul style="list-style-type: none"> • 4 Case Assignments • 3 Journal Club Assignments 	30%
In-Class Quizzes	<ul style="list-style-type: none"> • 4 Quizzes 	30%
Infographic Project	<ul style="list-style-type: none"> • 1 Assigned Infographic 	10%
TOTAL		100%

Assignment of grades:

- A = 90 – 100%**
- B+ = 88-89%**
- B = 80 – 87%**
- C+ = 78-89%**
- C = 70 – 77%**
- D = 60-69%**
- F = < 60%**

All Assessments will be administered via Blackboard unless noted otherwise. All quizzes, exams, and written assignments will be due on Thursday by 3:59PM every week.

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.

Quizzes: Online quizzes will be administered via Blackboard covering the course syllabus and weekly material

Case Assignments: Cases will be released a week in advance and students will be expected to complete case assignments prior to the class session.

Journal Clubs: Students will evaluate three Journal articles and are expected to complete pre-journal club assignments prior to the class session.

Infographics: Each student will develop an infographic and present to faculty and peers.

Participation: All students will earn participation points based on the level of participation in each class. Students may lose points for being late to class, not turning on video for Zoom classes, not actively participating in in-class activities, etc.

Questions Related to the Course and Grading/Exams

In general, questions related to the overall course should be directed to the coordinator. **Content/topic-specific questions** should be directed to the content instructor within **five (5) business days** of the material being presented.

Any questions concerning **assignments/exam grades** should be discussed with the **course coordinator within five (5) business days** after the grades have been posted.

Attendance

The attendance policy for the School of Pharmacy is outlined in the Student Handbook. It is expected that students should demonstrate their commitment to the profession and respect for faculty, guest speakers, and colleagues by attending all classes and arriving to class on time prepared for the day's lesson(s).

As this is a small cohort, elective, special topics course delivered over part-of-term, attendance and punctuality are expected at all class meetings. Students will receive point deductions from their participation grade for being late, not turning camera on, etc.

If a student has an excused absence, they should immediately notify the course coordinator(s) and instructor(s). To secure approval for an absence related to travel for professional meetings or for events that fall outside of the criteria outlined in the Student Handbook, please refer to the Handbook for more information regarding required documentation for submission to the Office of Student Affairs.

Behavior

Students are expected to be professionals and will be treated as such unless circumstances deem otherwise. Any behavior that impairs student ability to learn will not be tolerated (e.g., side conversation, cell phone use, electronic device use for activities not related to coursework).

Expectations of Students During Course

It is the responsibility of the **student** to monitor his/her progress during the course. Students should seek advice and assistance from the course coordinator as soon as he/she encounters any difficulty in the course.

Students will be responsible for checking Blackboard and email routinely for any course updates or announcements.

While all quizzes and case assignments will be open-book, **students are expected to complete them independently and without collaboration of other classmates, colleagues, or faculty.**

Students will be expected to verify an academic integrity statement at the beginning of each quiz or exam. Any concerns of academic dishonesty or plagiarism will be referred to the Office of Student Conduct and Conflict Resolution (OSCCR) and may result in penalties, including, but not limited to: score of "zero" on assignment or exam or failure in the course.

Student Expectations Prior and During Examination/Quizzes

All exams/quizzes will be open book and administered via Blackboard. All assessments will be due by 9:59 pm on Sunday evenings. Quizzes and assignments will have a time limit for completion. **Late submissions of quizzes/assignments will NOT be accepted.**

Missed Quizzes / Assignments – Excused/Unexcused Absences

Only students with an excused absence will be permitted to make-up a quiz, exam, or assignment. Late assignments will receive a 1 letter grade (10%) grade deduction **for each day the assignment is late**

Students experiencing prolonged emergencies or personal illness will need to follow the policies in the UTEP School of Pharmacy **Student Handbook** for securing an excused absence. Only students with an excused absence will be permitted to make-up a quiz, exam, or assignment. It is the student's responsibility to stay up-to-date with course materials.

Remediation Policy

Students must participate fully in the course to be eligible for remediation. Please refer to the Student Handbook for end-of-course remediation policies and timelines (*see Table of Contents for End of Course Remediation*).

Course Evaluation

During this course, you will be provided with an opportunity to evaluate this course and your instructors. The Associate Dean for Assessment, Accreditation, and Strategic Planning will send an email reminder toward the end of this course for you to complete the course evaluation. UTEP uses an online course evaluation system. Course Evaluations can be taken at my.utep.edu by clicking on the CLASSES TAB on the left. The Course Evaluation module will appear, and your classes will be listed. Click on the Course Name, or CRN, to complete the evaluation for the course. Your participation is an integral part of this course and the accreditation process, and your feedback is vital to improving education at the School of Pharmacy.

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 the student's responsibility to review the syllabus periodically for updates.

UTEP and SOP Policy for Academic Integrity

Any student who commits an act of academic dishonesty is subject to discipline. The instructor is required to report all suspected academic dishonesty to the UTEP Office of Student Conduct and Conflict Resolution. Please refer to the Student Handbook for SOP guidance on academic integrity (*see Table of Contents for Curriculum and Classroom Policies: Academic Integrity*).

Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, and any act designed to give unfair advantage to a student or the attempt to commit such acts.

Proven violations of the detailed regulations, as printed in the Handbook of Operating Procedures (HOP), and available in the Office of the Dean of Students and on the homepage of the Dean of Students at www.utep.edu/dos, may result in sanctions ranging from disciplinary probation to a failing grade on the work in question, to a failing grade in the course, to suspension or dismissal, among others. (For more information, see: <https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html>)

Professionalism and Professional Conduct

While enrolled at the University, a student neither loses the rights nor escapes the responsibilities of citizenship. Thus, UTEP and the SOP value professionalism and expect all students to not only acquire but also maintain the highest standards of professional attitudes and behaviors in their interactions with their fellow classmates, staff, faculty, colleagues and their patients, as described in **the UTEP School of Pharmacy Student Handbook** and as per UTEP's student conduct policies (see <https://www.utep.edu/student-affairs/osccr/student-conduct/index.html/> for further information). Any student who engages in conduct that is prohibited by the Board of Regents' Rules and Regulations, University or SOP rules or by federal, state, or local law is subject to discipline whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct. Please refer to the Student Handbook for specific expectations regarding professional conduct in the SOP (*see Table of Contents for Academic Progression: Good Standing: Professional*).

Technical Assistance

Checking computer requirements and ensuring that all software up to date is essential for students to access course content. **Supported browsers include –**

- 1) **For a PC:** FireFox, Internet Explorer (Do NOT use IE7), and Chrome
- 2) **For a Mac:** Safari, Firefox, and Chrome

To enhance browser performance, students should clear the browser cache and allow pop-ups. In addition to testing the web browser, check to ensure that the computer has an updated version of **Java** (go to <http://java.com>, click on "Do I have Java", click on "Verify Java Version," update Java if needed). Additional browser plug-ins may also be needed to view some content that your instructor may share on the learning management system. Common plug-ins include **Adobe Reader, Flash Player, Windows Media Player, QuickTime**. When creating documents, slide presentations, spreadsheets, etc., be sure to use Microsoft Office or a compatible program (see 10 Free MS Word Alternatives). The UTEP Technology Support Services (3rd floor, UTEP Library) can also provide students with any applications, compatibility packs, patches, and updates that may be needed.

Students working off campus may need to set up a **Virtual Private Network (VPN)** on their computer to access UTEP resources for this class (i.e., Library). The link below provides information in setting up a VPN connection depending on the operating system. Students may contact the UTEP Help Desk (915-747-HELP) for assistance (or https://www.utep.edu/technologysupport/ServiceCatalog/NET_VPNGlobalProtect.html).

If technical problems are experienced with the course, students should contact the **UTEP Help Desk** during: Monday– Friday: 8AM – 5PM. If calling within UTEP: 915.747.4357. If calling from outside UTEP: 915.747.5257. For more information, please visit <http://helpdesk.utep.edu>. For help with **Blackboard**: https://www.utep.edu/technologysupport/ServiceCatalog/BB_Students.html

In order for UTEP to provide a stable learning environment, Thursdays from 12:00-6:00am MST are 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, Technology Support Services will confer with appropriate student and faculty networks to provide appropriate notifications to those affected.

Students can also visit an on-campus lab such as the ATLAS lab located within the Undergraduate Learning Center (UGLC building) for additional technical assistance. In addition to the various campus computer labs (ATLAS in UGLC or LACIT in Liberal Arts for example), Technology Support Services provides workstations for student use. To learn more, please visit: https://www.utep.edu/technologysupport/ServiceCatalog/BB_Students.html

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/>.

Students must notify the course coordinator by Thursday, March 25, 2021 if they will be using their accommodations. This is to allow sufficient time for the course coordinator to accommodate alternate exam-taking locations/times or any other accommodations approved by CASS.

Additional Information

Campus Concealed Carry:

Effective August 1, 2016. <https://www.utep.edu/campuscarry/>

Course Number PHAR 6170: Course Calendar and Topic Outline

Cardiology Elective

January 19th, 2023 – March 9th, 2023

Thursday 4:00 – 5:50 PM

The course coordinator may adapt the syllabus/course calendar to support student and course success.

WEEK	Date	Time/ Method	Topic	In-Class Quizzes	Course Assignment Due Date/Time	Faculty
1	Thursday, January 19 th	4:00-5:50 PM <i>Live*</i>	Course Orientation & Syllabus Overview (45 min) Review Infographic Project (15 min) Topic Discussion 1 (1hr); Case 1 & JC 1 Released	-	None	Singh Abdelhakiem
2	Thursday, January 26 th	4:00-5:50 PM <i>Synchronous</i>	Case Discussion 1 (1.5hr) & Debrief (0.5hr)	Quiz	<u>Due by January 26th at 3:59PM:</u> • Assignment 1	Singh Abdelhakiem
3	Thursday, February 2 nd	4:00-5:50 PM <i>Live*</i>	Topic Discussion 2 (1hr); Journal Club 1 (1hr) Case 2 & JC 2 Released	-	<u>Due by February 2nd at 3:59PM:</u> • Complete Journal Club 1	Singh Abdelhakiem
4	Thursday, February 9 th	4:00-5:50 PM <i>Synchronous</i>	Case Discussion 2 (1.5hr) & Debrief (0.5hr)	Quiz	<u>Due by February 9th at 3:59PM:</u> • Assignment 2 • Assigned infographic: Draft	Singh Abdelhakiem
5	Thursday, February 16 th	4:00-5:50 PM <i>Live*</i>	Topic Discussion 3 (1hr); Journal Club 2 (1hr) Case 3 & JC 3 Released	-	<u>Due by February 16th at 3:59PM:</u> • Complete Journal Club 2	Singh Abdelhakiem
6	Thursday, February 23 rd	4:00-5:50 PM <i>Synchronous</i>	Case Discussion 3 (1.5hr) & Debrief (0.5hr)	Quiz	<u>Due by February 23rd at 3:59PM:</u> • Assignment 3	Singh Abdelhakiem
7	Thursday, March 2 nd	4:00-5:50 PM <i>Live*</i>	Topic Discussion 4 (1hr); Journal Club 3 (1hr) Case 4 Released	-	<u>Due by March 2nd at 3:59PM:</u> • Complete Journal Club 3	Singh Abdelhakiem
8	Thursday, March 9 th	4:00-5:50 PM <i>Synchronous</i>	Case Discussion 4 (1.5hr) & Debrief (0.5hr)	Quiz	<u>Due by March 9th at 3:59PM:</u> • Assignment 4 • Assigned Infographic: Final <i>**Infographic presentations TBD (outside of elective course hours)</i>	Singh Abdelhakiem

****Attendance in CABL 202 for all LIVE lectures is mandatory unless previously excused by course coordinators.***