



School of Pharmacy

Course Syllabus

Spring – P2

Pharm 6472 – ISBP Track

Integrated Systems-Based Pharmacotherapy IIB1

Course Dates: January 19 – March 9, 2021

Scheduled Course Time: Monday, Tuesday, Wednesday, Thursday 9 – 9:50 and 10 – 10:50 AM

Location: Online (Virtual)

IPPE: 0 hours / IPE: 0 hours

Course Coordinator

Natalie Arndt, PharmD, Clinical Assistant Professor	
Office Room Number: Campbell 503 Office Phone: (915) 747-8557 E-mail: nnarndt@utep.edu	VIRTUAL OFFICE HOURS: 11-12 PM Tuesdays, 11-12:30 PM Fridays and by appointment

Course Faculty

Faculty Lecturers/Facilitators	
Jordan Bell, PharmD, Clinical Assistant Professor Office Room Number: Campbell 713 Email: jebell2@utep.edu Phone: (915) 747-8183 Preferred method of contact: email Office hours: by appointment	Ian Mendez, PhD, Assistant Professor Office Room Number: Campbell 715 Email: iamendez2@utep.edu Preferred method of contact: email or MS Teams Office hours: by appointment
Margie Padilla, PharmD, CDE, BCACP, Clinical Associate Professor Office Room Number: Campbell 702 Email: meperez@utep.edu Phone: (915) 747-8532 Preferred method of contact: email or MS Teams Office hours: by appointment	Suman Sirimulla, PhD, Assistant Professor Office Room Number: Campbell 716 Email: ssirimulla@utep.edu Phone: (915) 747-8530 Preferred method of contact: MS Teams or email (use ssirimulla@utep.edu NOT ssirimulla@miners.utep.edu) Office hours: by appointment

Note: The course coordinator may adapt the syllabus/course calendar as appropriate to support student and course success.

Office Hours

The coordinator will post office hours and accommodate all students as time permits. Students may request an appointment with the coordinator in person or via e-mail. Individual faculty lecturers should only be contacted regarding questions related to the material taught by them. All appointments should be made at least 2 business days in advance.

Virtual Office Hours will be held through the online platform of each instructor's choice (i.e. Blackboard Collaborate, Microsoft Teams, etc). Office hours will be used to discuss any questions regarding course content, course logistic problems, or exam questions. The course coordinator will try to respond as soon as possible (generally within 24-48 hours) to meeting requests. When sending an email, please indicate the course number/name (e.g., PHAR 6472 ISBP IIB1) and the issue/topic in the subject line of the email. For individual faculty, please email directly for their online office hours.

Reviewing exams can be done during the course coordinator's office hours, or by appointment with the course coordinator or content instructors. Due to virtual platform, exam content will be discussed generally rather than read or shown in order to protect exam integrity. To better focus future studying and review, discussion of exam content will focus on concepts related to missed questions rather than just right/wrong answers.

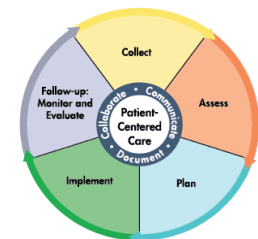
Questions Related to the Course and Grading/Exams

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.

Course Description

The Integrated Systems-Based Pharmacotherapy (ISBP) course series begins in the P2 year (primary care focus) and continues through the P3 year (advanced pharmacotherapy/acute care/specialty focus), providing the essentials for integrating foundational knowledge with practice and care. Faculty from Pharmaceutical Sciences and Clinical Sciences will work together to design a comprehensive, integrated approach to pharmacotherapy, which includes a practical application lab and an integrated lab. The topics in this course include: Endocrine, Men's and Women's Health, Dermatology, Ophthalmology, Hematology, and Musculoskeletal and Connective Tissue Disorders.



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

Pharmacists' Patient Care Process: This course will help students utilize the concepts of pathophysiology, medicinal chemistry, pharmacology, and therapeutics in the evaluation and treatment of various disease states.

Course Objectives mapped to National Pharmacy Education Outcomes

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

Course Objectives	CAPE Outcomes	PCOA	NAPLEX	Level of Assessment	Assessment Measures
Objective 1: Apply the basic anatomy and physiology concepts to understand the cellular and molecular organization of the system	1.1	1.1		R, A	Exams, iClicker questions, TBL cases, Class participation
Objective 2: Describe the pathophysiology responsible for all disease states covered.	1.1	4.2.1	1.5	I, R	
Objective 3: Integrate pathophysiology concepts into the therapeutic decision making process	1.1	4.2.1 4.1.5, 4.1.6 4.6.4, 4.7	3.2, 3.9, 3.10, 4.1, 5.1	R, A	
Objective 4: Determine the structure-activity relationships (SARs) to drug receptor/target interactions	1.1	2.1.1, 2.1.2, 2.1.4, 2.1.5	2.1, 3.10	R	
Objective 5: Identify SARs with regard to characteristic pharmacophores and drug-receptor interactions for specific drugs and drug classes.	1.1	2.1.3, 2.1.4	2.1, 3.10	R	
Objective 6: Explain the mechanism of pharmacological action (including toxicology, adverse effects, and drug-drug interactions) of specific drugs and drug classes in affecting/treating a targeted disease state.	1.1	2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.6	2.1, 2.3, 2.4, 3.6, 3.7, 3.8	R, A	
Objective 7: Apply general principles of drug pharmacokinetics, the PK/PD relationship, and the concept of dose-response into the drug therapy plan.	1.1	2.5, 2.6 4.3	3.10	R, A	
Objective 8: Describe the etiology, incidence, and prognosis associated with disease states covered, including toxicological conditions.	1.1	2.2, 3.1.4	1.5, 1.6	R	
Objective 9: Identify the major signs, symptoms, and clinical findings associated with each disease state, including toxicological conditions	1.1	2.2 4.6.3	1.5, 1.6, 3.1, 3.2, 4.1	I, R	
Objective 10: Identify usual medication doses, dosage forms, adverse drug reactions, and monitoring parameters of drug classes	1.1	2.2.3, 4.7	2.1, 2.2, 2.3, 3.3, 3.4, 3.5, 3.7, 3.9	I, R, A	
Objective 11: Formulate a comprehensive drug therapy plan that incorporates non-pharmacologic and pharmacologic approaches including first-line therapy, alternative therapies, monitoring parameters and diagnostic interpretations, desired therapeutic goals/outcomes, and considerations for special populations (e.g. pediatrics, geriatrics, multiple disease states).	2.1 3.1	4.1.4 4.5, 4.6.4, 4.7	1.1, 1.4, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 3.9, 3.11, 3.12, 6.4	I, R, A	

I = Introduce, R = Reinforce, A = Apply

Detailed Course Meetings Requirements

This course will be held online on Monday, Tuesday, Wednesday, and Thursday from 9 to 10:50 AM.

Classes will either be held synchronously or asynchronously per the determination of individual faculty members delivering each day's content. All lectures will be recorded. Please refer to the course Blackboard page for the most up-to-date course calendar, expectations, and explanations of how course content will be delivered and which electronic platforms will be utilized (Blackboard, MS Teams, Zoom, etc).

Exams will be held synchronously on Tuesday mornings from 7:30-8:50 AM on dates provided in the course calendar until otherwise stated. The final exam will occur synchronously on Monday March 22nd from 3-5:45 PM.

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 will be utilized as the primary learning management system.

Accessing Course Content on Blackboard: All lectures, handouts, and course material will be located in Blackboard. To access Blackboard, log into My UTEP.edu and click on the Blackboard link then access the online course for PHARM 6472. 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

This semester, the course will be taught primarily online via Blackboard Learning Management System. 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 activities such as:

1. Outside Preparation (e.g. readings, micro-lecture videos)
2. Lectures (synchronous and asynchronous)
3. Individual Assignments/Activities
4. Team Assignments/Activities
5. Case Discussions
6. Simulated Patient Interviews
7. Exams/Quizzes

Required Course Technology/Tools/Needs

Required Textbooks:

- DiPiro JT. Pharmacotherapy: A Pathophysiologic Approach. 11th ed. ISBN 978-1-260-11681-6. Available in AccessPharmacy.
- Brunton LL. Goodman & Gilman's The Pharmacologic Basis of Therapeutics. 13th ed. ISBN 978-0071624428. Available in AccessPharmacy.
- Hammer GD. Pathophysiology of Disease: An Introduction to Clinical Medicine. 8th ed. ISBN 978-1-260-02650-4. Available in AccessPharmacy.
- Katzung BG. Basic and Clinical Pharmacology. 14th ed. ISBN 978-1259641152. Available in AccessPharmacy.
- Krinsky DL. Handbook of Nonprescription Drugs: An Interactive Approach to Self-Care. 19th ed. ISBN 978-1582122656. Available in Pharmacy Library.

- O'Connel MB. Women's Health Across a Lifespan. 2nd ed. Available in AccessPharmacy.
- Roche V, et al. Foye's Principles of Medicinal Chemistry, 8th ed. ISBN 978-1496385024. *Available in the bookstore or through Amazon.com

Recommended Textbooks:

- Golan DE. Principles of Pharmacology: The Pathophysiologic Basis of Therapeutics. 4th ed. ISBN 978-1451191004.

*Note: this list is not exhaustive. Course faculty may require or recommend additional resources. These will be posted on the Blackboard course page as needed.

Laptop Computer

- Students are expected to have computer access for class each day and 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).
- **Audio (speaker & microphone) and video (camera) MUST be checked to be functional for classes and online exams.**
- Students should be ready at any time to share their screen with classmates/faculty for course learning

Calculator

- Students are expected to bring a non-programmable calculator to class and to all assessment activities. Some exams (e.g., ExamSoft®) may use the software calculator.

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

- ExamSoft® Exam Monitor
- Blackboard® Collaborate: Chrome Browser
- Microsoft® Teams
- Blackboard® Respondus Lockdown
- Zoom®
- **Audio (speaker & microphone) and video (camera) MUST be checked to be functional for classes and online exams**
- iClicker account and REEF mobile app or website
 - If you have not already, go to <https://app.reef-education.com> to create a free iClicker account. Search for UTEP in the institution dropdown, enter your FIRST and LAST name and miners.utep.edu email address. If you already have an iClicker account, you will be able to add PHAR 6472 ISBP IIB1 to your course list. More information can be found at: https://www.utep.edu/technologysupport/Files/docs/iClicker-Reef_Student-Signup-Instructions.pdf

Conduct Expectations

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).

Attendance at lectures is not mandatory in that attendance will not be taken at each lecture. However, attendance and punctuality at lectures are strongly recommended and expected as a sign of professional behavior. The course coordinator and other instructors reserve the right to give unannounced quizzes. Additionally, individually instructors

may require attendance for their lectures or activities. If attendance is required, this will be indicated on Blackboard.

Missing class for work is NOT a valid reason for your absence.

If a student has an excused absence, they should immediately notify the course coordinator(s) and instructor(s) for each course day to be missed. Please also notify the Office of Student Affairs and follow all Handbook procedures for approving an absence to be excused. If this process is not followed, absences will be unexcused, and course faculty have no obligation to accommodate unexcused absences.

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.

Classroom 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). Laptops may be used during class for taking notes. Using laptops for other activities than taking notes causes a disruption to the class around you.

ONLINE: Your instructors and classmates want to generate a safe online learning environment. Please use appropriate online classroom behavior by reading the UTEP Netiquette Guide for Online Courses available at <https://www.utep.edu/extendeduniversity/cid/Files/docs/faculty-resources/student-orientation/NetiquetteGuideforOnlineCourses>.

Students are expected to conduct themselves at all times in a manner becoming to a pharmacy professional. This includes both "live" and virtual forms of communication (class sessions, video conferencing, assignment submissions, emails, etc). Aggressive, demeaning, or disrespectful communication to faculty or other students will not be tolerated.

Please refer to the Student Handbook for further details regarding professionalism expectations and repercussions of unprofessional conduct, which may include but are not limited to review by the Office of Student Affairs, the Progressions Committee, School of Pharmacy administrators, and even the Dean of Students.

COVID-19

**If the course meets on campus during the semester, then all CURRENT public health precautions/measures should be taken. For up-to-date UTEP policies, please see: <https://www.utep.edu/resuming-campus-operations/?home>

Expectations of Students During Course

Evaluation and Grading Policy

Course point distribution will be as follows: (4 points per contact hour for first 5 exams)

Type of Assessment	Total Points	% Course Grade
Assignments, Activities, Participation	50	14.3%
Exam 1	56	16.0%
Exam 2	32	9.1%
Exam 3	52	14.8%
Exam 4	36	10.3%
Exam 5	40	11.4%
Final Exam	84 (16 new content + 68 cumulative)	24%
Total Points	350	100%

Assignment of grades:

A = 90 – 100%

B = 80 – 89%

C = 70 – 79%

D = 60-69%

F = < 60%

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.

Grades are earned throughout the course, not given at the end. As such, grade will be determined on the basis of completed coursework. Final grades will be rounded per typical rounding conventions (≥ 0.5 will be rounded up to the next whole percentage point).

For instance, a 79.6% rounds up to an 80%, equating to a letter grade of a B. However, a 79.2% rounds down to a 79%, equating to a letter grade of a C.

Assignments & Activities: Faculty may assign pre-class assignments such as reading or watching “micro-lecture” videos to assist with outside class preparation. This may be done through a variety of platforms. All requirements will be posted on the class Blackboard shell. Faculty may assess your completion of these activities and knowledge through quizzes embedded in the videos or through the use of a quiz (iClicker, Blackboard Respondus, etc) at the start of class. Active learning using iClicker and cases may be administered throughout the course.

These and any other class participation activities will contribute a total of 14.3% towards the total course grade. The coordinator may drop one or two of the student’s lowest-scoring activities at the end of the semester, per their discretion.

Exams:

There will be a total of five exams and a comprehensive final exam. The exams will consist of question types including true/false, matching, multiple choice, fill in the blank, multiple choice, multiple answer (e.g. select all that apply), and short answer questions. All exams will be administered via Examsoft®, unless otherwise noted.

REGRADE REQUEST: Regrade requests for assignments or exams should be made within five (5) **business days** of the posting of the grades. Requests must be made in writing with evidence/rationale to support the requested appeal.

Requests will not be entertained after this period (unless excused absence due to extenuating circumstances or faculty coordinator).

Exam Policies and Procedures: Please see the UTEP School of Pharmacy Exam Guidance document available on Blackboard for more information regarding the procedure followed for all exams.

Online Assessment Requirements:

This course requires the use of ExamSoft®. Students are responsible for ensuring they have access to the online assessment system. Assessments will 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). Students are also expected to maintain a functioning camera and microphone with their computer, in the case that ExamSoft's® ExamMonitor feature is utilized for remote exam testing.

If students cannot access your online account, please contact **Adrian Enriquez** (aealonso@utep.edu) to resolve this issue **within five (5) business days of the first day of class**. Students are responsible for ensuring they have access to the online assessment system. Mr. Enriquez is **NOT available** for questions or laptop failures/requests **after business hours or on weekends**.

Electronic exams need to be **downloaded at a minimum of 2 hours prior to the examination to avoid a 10% grade penalty deduction**. Repeated instances (> 1 time) of not downloading electronic exams will result in a referral to the professionalism committee on the **SOP Progression Committee and additional 10% grade penalty deduction** from the student's earned exam score.

Missed Quizzes / Exams / Assignments – Excused/Unexcused Absences

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. Students should consult the UTEP School of Pharmacy **Student Handbook** for definitions and examples of excused absences.

- The course coordinator **MUST** be notified on the day of the exam for the student to be excused from that exam for an **emergency**.
- In the case of **religious holidays**, the student **MUST** notify the course coordinator **10 business days prior** to the exam. Students should not assume that they can miss an exam for vacation or other personal conflicts.
- Any excused absence from an exam for **health reasons** must be documented with a note from an appropriate health professional.
- Any unexcused absence from an exam will result in a grade of zero for that exam.

The course coordinator will determine the time and date for a make-up exam, which will occur before the final exam period. If the student is unable to attend either the original exam or the make-up exam, the course coordinator is not required to provide additional opportunities for the student make-up exam. The format of the make-up examination is at the discretion of the course coordinator, and may include any question type including, but not limited to, open-ended questions, an essay examination, or oral examinations.

Remediation Policy

Remediation occurs if a student fails the course. 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 Student Handbook: Table of Contents for End of Course Remediation*).

General Course Policies

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*).

Cell Phones

Students should carry cell phones, but keep the phone on the vibrate mode in the event students need to be notified by the emergency alert system. Cell phone use for the purpose of texting, email or social media is not permitted. This use is disruptive to fellow classmates, faculty and the learning environment. The use of a cell phone or the ringing of the phone in class is considered unprofessional behavior. No cellphones, calculators, laptops or other items may be used during an assessment (e.g., exam or a quiz) unless specifically as part of that assessment and approved by the faculty member/instructor.

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. For help with ExamSoft: 866.429.8889 or 954.429.8889.

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

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.

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/>

Additional Information

Campus Concealed Carry:

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

Civility Statement:

You are expected to follow basic standards of courtesy (<https://www.utep.edu/student-affairs/dean-of-students-office/community-of-care/index.html>) and may be dismissed from class for blatant or sustained disruptive behavior.

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): **915-747-5302**, which after-hours goes to a crisis line
- Mental Health Crisis Line: 915-779-1800
- National Suicide Prevention Hotline: 1-800-273-8255 / suicidepreventionlifeline.org
- **Veterans Crisis Line: 1-800-273-8255 / www.veteranscrisisline.net**
- NAMI (National Alliance on Mental Illness) of El Paso: 915-534-5478 / <https://namiep.org>

Further resources are available to students on the "Current Students" tab of the UTEP SOP website.

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 <https://www.utep.edu/titleix/>]

PHAR 6472: Course Calendar
Integrated Systems-Based Pharmacotherapy IIB1

Course Dates: January 19 – March 9, 2021

Scheduled Course Time: Monday, Tuesday, Wednesday, Thursday 9 – 9:50 and 10 – 10:50 AM

Location: Online (Virtual)

Exam	Week	Date	Time	Class Number	Topics	Preparation	Instructor		
Endocrine Module 1: Diabetes	Week 1	Mon 1/18	Martin Luther King Jr. Day: NO CLASS						
		Tues 1/19	9-9:50 AM	Class 1	Course overview/Syllabus Review Anatomy and Physiology of Endocrine System	G&G Ch 42	Arndt		
			10-10:50 AM	Class 2	Diabetes [Pathophysiology]	G&G Ch 47 DiPero Ch 91	Arndt		
		Wed 1/20	9-9:50 AM	Class 3	Diabetes [Med Chem]	N/A	Sirimulla		
			10-10:50 AM	Class 4	Diabetes [Intro, Epidemiology]	DiPiro Ch 91	Padilla		
		Thu 1/21	9-9:50 AM	Class 5	Diabetes [Non-insulin Agents Pharmacology]	G&G Ch 47 DiPiro Ch 91	Arndt		
	10-10:50 AM		Class 6						
	Week 2	Mon 1/25	9-9:50 AM	Class 7	Diabetes [Non-insulin Agents Pharmacotherapy]	DiPiro Ch 91	Padilla		
			10-10:50 AM	Class 8					
		Tue 1/26	9-9:50 AM	Class 9	IRAT/TRAT/Cases over Non-Insulin Agents	*HOMEWORK Assignment	Padilla/ Arndt		
			10-10:50 AM	Class 10	Diabetes [Insulin Pharmacology]	G&G Ch 47 DiPiro Ch 91	Arndt		
		Wed 1/27	9-9:50 AM	Class 11	Diabetes [Insulin Pharmacotherapy]	DiPiro Ch 91	Padilla		
			10-10:50 AM	Class 12	Diabetes [Gestational, other topics]	DiPiro Ch 91			
	Thu 1/28	9-9:50 AM	Class 13	IRAT/TRAT/Cases over Insulin and Diabetes Management	N/A	Padilla/ Arndt			
10-10:50 AM		Class 14							
End of Material for Exam 1									
Endocrine Module 2	Week 3	Mon 2/1	9-9:50 AM	Class 15	Endocrine Glands Pathophysiology	G&G Ch 42	Mendez		
			10-10:50 AM	Class 16	Pituitary/Adrenal Gland Disorders [Med Chem]	N/A	Sirimulla		
		Tue 2/2	Exam I: 2/2 7:30-8:50 AM, Content: Class 1-14 (14 hrs)						
			9-9:50 AM	Class 17	Pituitary Disorders [Pharmacology]	G&G Ch 42	Mendez		
		Wed 2/3	10-10:50 AM	Class 18	Adrenal Disorders [Pharmacology]	G&G Ch 42	Mendez		
			9-9:50 AM	Class 19	Thyroid Disorders [Med Chem]	N/A	Sirimulla		
	Thu 2/4	10-10:50 AM	Class 20	Thyroid Disorders [Pharmacology]	G&G Ch 43	Mendez			
		9-9:50 AM	Class 21	Pituitary, Adrenal, Thyroid Disorders [Pharmacotherapy]	DiPiro Ch 92, 93, 94	Padilla			
10-10:50 AM	Class 22								
End of Material for Exam 2									

** This topical outline will be followed as closely as possible throughout the semester; however, the instructor(s) reserve the right to adjust the course schedule as deemed necessary**

Exam	Week	Date	Time	Class Number	Topics	Preparation	Instructor		
Men's and Women's Health Module 1	Week 4	Mon 2/8	9-9:50 AM	Class 23	Anatomy and Physiology of Men's and Women's Reproductive System [Pathophysiology]	Hammer Ch 22, 23	Arndt		
			10-10:50 AM	Class 24	Benign Prostate Hyperplasia/Erectile Dysfunction [Pathophysiology]	G&G Ch 45	Arndt		
		Tue 2/9	Exam II: 2/9 7:30-8:50 AM, Content: Class 15-22 (8 hrs)						
			9-9:50 AM	Class 25	Benign Prostate Hyperplasia/Erectile Dysfunction/Urinary Incontinence [Med Chem]	N/A	Sirimulla		
		Wed 2/10	10-10:50 AM	Class 26	Benign Prostate Hyperplasia/Erectile Dysfunction [Pharmacotherapy]	DiPiro Ch 99, 100	Arndt		
			9-9:50 AM	Class 27	Urinary Incontinence [Pathophysiology/Pharmacology]	G&G DiPiro Ch 101	Arndt		
		Thu 2/11	10-10:50 AM	Class 28	Urinary Incontinence [Pharmacotherapy]	DiPiro Ch 101	Arndt		
			9-9:50 AM	Class 29	Menstrual Cycle Overview [Physiology]	Katzung 40	Arndt		
		Tue 2/11	10-10:50 AM	Class 30	Menstrual Disorders [Pathophysiology and Pharmacotherapy]	DiPiro Ch 96, 97 O'Connell Ch 8, 9, 10, 11	Arndt		
			Mon 2/15	9-9:50 AM	Class 31	Contraception [Pharmacology]	N/A	Cox	
	10-10:50 AM	Class 32		Contraception [Pharmacotherapy]	O'Connell Ch 14	Arndt			
	Week 5	Tues 2/16	9-9:50 AM	Class 33	Contraception [Pharmacotherapy]	O'Connell Ch 14	Arndt		
			10-10:50 AM	Class 34	Emergency Contraception [Pharmacology and Pharmacotherapy]	O'Connell Ch 14	Arndt		
		Wed 2/17	9-9:50 AM	Class 35	Maternal Health (Infertility, Lactation, Post-Partum Care) [Pharmacotherapy]	DiPiro Ch 95	Arndt		
			End of Material for Exam 3						
		Thu 2/18	10-10:50 AM	Class 36	Menopause [Pathophysiology and Pharmacology]	DiPiro Ch 98 G&G Ch 44	Arndt		
			9-9:50 AM	Class 37	Menopause [Pharmacotherapy]	O'Connell Ch 12	Arndt		
		Tue 2/18	10-10:50 AM	Class 38	Osteoporosis [Pathophysiology and Pharmacology]	G&G Ch 48	Arndt		
Mon 2/22			9-9:50 AM	Class 39	Osteoporosis [Med Chem]	N/A	Sirimulla		
	10-10:50 AM	Class 40	Osteoporosis [Pharmacotherapy]	DiPiro Ch 108	Arndt				
Week 6	Tue 2/23	Exam III: 2/23 7:30-8:50 AM, Content: Class 23-35 (13 hrs)							
		9-9:50 AM	Class 41	Alopecia, Psoriasis/Eczema, Acne [Pathophysiology and Pharmacotherapy]	G&G Ch 70	Bell			
		10-10:50 AM	Class 42		DiPiro Ch 113, 114, 116	Bell			
	Wed 2/24	9-9:50 AM	Class 43	Dermatologic Disorders, Xerosis (Minor Burns, Dermatitis, Wounds) [Pathophysiology and Pharmacotherapy]	G&G Ch 70	Bell			
		10-10:50 AM	Class 44		DiPiro Ch 115, 117	Bell			
End of Material for Exam 4									

** This topical outline will be followed as closely as possible throughout the semester; however, the instructor(s) reserve the right to adjust the course schedule as deemed necessary**

Exam	Week	Date	Time	Class Number	Topics	Preparation	Instructor	
Musculoskeletal, Connective Tissue, Ophthalmic, Hematologic Disorders Module	2/25	Thu	9-9:50 AM	Class 45	Glaucoma, Macular Degeneration, Conjunctivitis, Drug-induced ophthalmic disorders [Pathophysiology and Pharmacotherapy]	G&G Ch 69	Bell	
			10-10:50 AM	Class 46		DiPiro Ch 110, 111, 112	Bell	
	3/1	Mon	9-9:50 AM	Class 47	Anemia [Pathophysiology, Pharmacology, Pharmacotherapy]	G&G Ch 41	Bell	
			10-10:50 AM	Class 48		DiPiro Ch 118	Bell	
	Exam IV: 3/2 7:30-8:50 AM, Content: Class 36-44 (9 hrs)							
	3/2	Tue	9-9:50 AM	Class 49	Rheumatoid Arthritis and Osteoarthritis [Med Chem]	N/A	Sirimulla	
			10-10:50 AM	Class 50	Systemic Lupus Erythematosus [Med Chem] (0.5 h) Gout/Hyperuricemia [Med Chem] (0.5 h)	N/A	Sirimulla	
	3/3	Wed	9-9:50 AM	Class 51	Rheumatoid Arthritis & Osteoarthritis [Pathophysiology]	DiPiro Ch 106, 107	Bell	
			10-10:50 AM	Class 52	Rheumatoid Arthritis and Osteoarthritis [Pharmacology]	DiPiro Ch 106, 107	Bell	
	3/4	Thu	9-9:50 AM	Class 53	Rheumatoid Arthritis and Osteoarthritis [Pharmacotherapy]	DiPiro Ch 106, 107	Bell	
			10-10:50 AM	Class 54				
	End of Material for Exam 5							
		3/8	Mon	9-9:50 AM	Class 55	Systemic Lupus Erythematosus [Pathophysiology/Pharmacology]	DiPiro Ch 103	Bell
				10-10:50 AM	Class 56	Systemic Lupus Erythematosus [Pharmacotherapy]	DiPiro Ch 103	Bell
Exam V: 3/9 7:30-8:50 AM, Content: Class 45-54 (10 hrs)								
3/9		Tue	9-9:50 AM	Class 57	Gout/Hyperuricemia [Pathophysiology/Pharmacology]	G&G Ch 38	Bell	
			10-10:50 AM	Class 58	Gout/Hyperuricemia [Pharmacotherapy]	DiPiro Ch 109	Bell	
Final Exam: 3/22 3 – 5:45 PM (New Materials: Class 55-58 (4 hrs), Cumulative Materials: Class 1-54)								

** This topical outline will be followed as closely as possible throughout the semester; however, the instructor(s) reserve the right to adjust the course schedule as deemed necessary**