

Pharmacotherapeutics IV - PHM 385G
Fall 2016 MWF
Endocrine disorders, GI disorders and Nutritional Supplementation

Course Description: An integrated approach covering the biology and pharmacotherapy of endocrine disorders, GI disorders and nutritional supplementation

Course Coordinator: Christine Duvauchelle, PhD
 Pharmacology and Toxicology Division
duvauchelle@mail.utexas.edu
 Office: Austin, PHR 5.224D
 Office hours: Drop in and by appointment

Region	Section number	Class Room	Time (Local)
Austin	59540	PHR 3.106	9:00am – 12:00pm
El Paso	59545	237 Campbell	8:00am – 11:00am
San Antonio	59550	McDermott 2.108	9:00am – 12:00pm
Rio Grande Valley	59555	1.202	9:00am – 12:00pm

Course Team Faculty

Faculty	E-mail	Phone	Location
Nile Barnes, PharmD Pharmacy Practice	jnbarnes@austin.utexas.edu	512-232-3494	Austin - PHR 2.222F
Kirk Evoy, PharmD Pharmacotherapy	kirkevoy@gmail.com	317-750-7934	San Antonio
Dawit Kidane-Mulat, PhD Pharmacology/Toxicology	Dawit.kidane@austin.utexas.edu	512-495-4720	Austin – DPI 2.220
Edward Mills, PhD Pharmacology/Toxicology	tedmills@austin.utexas.edu	512-471-6699	Austin - BME 3.510D
Dannielle O'Donnell, PharmD	odonnell@utexas.edu	512-248-8099	Austin
John Richburg, PhD Pharmacology/Toxicology	john.richburg@austin.utexas.edu	512-471-4736	Austin - BME 3.510A
Andy Ruiz, PharmD Stonegate Pharmacies	andy.david.ruiz@gmail.com	512-537-5867	
Lurajo Ryan*, PharmD Pharmacotherapy	ryanl@uthscsa.edu	210-567-8320	San Antonio
Stephen R. Saklad Pharm.D, SA Coordinator	saklad@uthscsa.edu	210-567-8355	San Antonio
Emily Christenberry EP Course Coordinator	ejchristenberry@utep.edu	915-747-5675	El Paso
Yasar Tasnif RGV Course Coordinator	yasar.tasnif@utrgv.edu	956-665-5255	UTRGV RAHC 1.100

Lecture Topics and Exam Schedule

Day	Date	Time	Module	Topic	Location	Faculty
			MODULE 1	DIABETES		
Wed	8/24/16	9:00 AM		<i>Intro to Course</i>	Austin	Marinelli & Duvauchelle
		9:30 AM 10:00 AM 11:00 AM	1: <i>Diabetes</i>	Diabetes Diabetes Diabetes	Austin Austin Austin	Mills Mills Mills
Fri	8/26/16	9:00 AM 10:00 AM 11:00 AM	1: <i>Diabetes</i>	Diabetes Diabetes Diabetes	SA SA SA	Ryan Ryan Ryan
Mon	8/29/16	9:00 AM 10:00 AM 11:00 AM	1: <i>Diabetes</i>	Diabetes Diabetes Diabetes	SA SA SA	Ryan Ryan Ryan
Wed	8/31/16	9:00 AM 10:00 AM 11:00 AM	1: <i>Diabetes</i>	Diabetes Diabetes Diabetes	SA SA SA	Ryan Ryan Ryan
Fri	9/2/16		Module 1 Exam: Diabetes 9 a.m. - 10:50	12 hrs covered by exam	ALL Locations	
Mon	9/5/16	9:00 AM 10:00 AM 11:00 AM	<i>LABOR DAY NO CLASS</i>			
			MODULE 2	GASTROINTESTINAL		
Wed	9/7/16	9:00 AM 10:00 AM 11:00 AM	2: <i>Gastrointestinal</i>	Hepatic Cirrhosis Hepatic Cirrhosis Hepatic Cirrhosis	SA SA SA	Ryan Ryan Ryan
Fri	9/9/16	9:00 AM 10:00 AM 11:00 AM	2: <i>Gastrointestinal</i>	IBS, Drug/Nutrient Interactions IBS, Drug/Nutrient Interactions IBS, Drug/Nutrient Interactions	SA SA SA	Ryan Ryan Ryan
Mon	9/12/16	9:00 AM 10:00 AM 11:00 AM	2: <i>Gastrointestinal</i>	Pharmacotherapy of gastric acidity, peptic ulcers and gastroesophageal reflux disease	Austin Austin Austin	Richburg Richburg Richburg
Wed	9/14/16	9:00 AM 10:00 AM 11:00 AM	2: <i>Gastrointestinal</i>	Treatment of disorders of bowel motility and water flux Anti-nauseants and -emetic agents	Austin Austin Austin	Richburg Richburg Richburg
Fri	9/16/16		Module 2 Exam: Gastrointestinal 9 am-10:50	12 hrs covered by exam	ALL Locations	

			MODULE 3	HORMONES		
Mon	9/19/16	9:00 AM 10:00 AM 11:00 AM	3: <i>Hormones</i>	Growth Hormone Anabolic Steroids Thyroid Dysfunction	Austin Austin Austin	Kidane-Mulat Kidane-Mulat Mills
Wed	9/21/16	9:00 AM 10:00 AM 11:00 AM	3: <i>Hormones</i>	Thyroid Dysfunction Thyroid Dysfunction Thyroid Dysfunction	Austin Austin Austin	Barnes Barnes Barnes
Fri	9/23/16	9:00 AM 10:00 AM 11:00 AM	3: <i>Hormones</i>	Female Hormones: Contraception Female Hormones: Contraception Female Hormones: Contraception	Austin Austin Austin	O'Donnell O'Donnell O'Donnell
Mon	9/26/16	9:00 AM 10:00 AM 10:30 AM 11:00 AM	3: <i>Hormones</i>	Osteoporosis Osteoporosis Menopause and endometriosis Menopause and endometriosis	SA SA Austin Austin	Evoy Evoy Ruiz Ruiz
Wed	9/28/16	9:00 AM 10:00 AM 11:00 AM	3: <i>Hormones</i>	Female Hormones and Pregnancy Female Hormones and Pregnancy	Austin Austin	Kidane-Mulat Kidane-Mulat
Fri	9/30/16		Module 3 Exam: Hormones 9 am-10:50 am	14 hrs covered by exam	ALL Locations	

Texts and Learning Resources:

There are no required course textbooks, but these textbooks are recommended:

Available online through "Access Pharmacy"

- Goodman and Gilman, *Pharmacological Basis of Therapeutics*, 12th Ed., 2011
- DiPiro, Talbert, Yee, et al. *Pharmacotherapy: A Pathophysiologic Approach*, 8th Ed., 2011.
- Chisholm-Burnes et al., *Pharmacotherapy: Principles and Practice*, 3rd Ed., 2013.

Not available online through "Access Pharmacy"

- Golan et al., *Principles of pharmacology; The Pathophys. Basis of Drug Therapy*. 3rd Ed., 2012.

PharmacyLibrary Active Learning

This is an exceptional resource that is available through the College's Clinical Information Center. This resource allows you to identify areas you want to focus on, and take any number of quiz questions you choose. Taking the quiz gives you instant feedback on your answers, and provides further specific review information if you feel you need it. To access the resource

- Go to the Clinical Information Center: <http://www.lib.utexas.edu/lsl/clinic/index.html>
- Access "PharmacyLibrary Active Learning Exercises", Naplex Review Tab
- Set-up your personalized account and select your areas for testing

Exams and scores

This course has 3 module exams and 1 final cumulative exam.

Module exams: 4 questions per 1 hour of lecture topic; each question is worth 2 points.

Final cumulative exam: 2 questions per 1 hour of lecture topic; each question is worth 1 point.

Extra-credit (bonus) points

In addition to the above points, students can earn up to 3 extra-credit (bonus) points by writing exam questions.

Writing exam questions (1 pt per Module)

Writing exam questions is a good way to review material, and to focus on “what’s important” for each topic. If you write at least two exam questions per module following the guidelines, and if you submit these questions prior to each Module exam (e.g., before midnight on 9/1, 9/15 and 9/29), you earn 1 point. If we get good questions, we might use some in the final exam!

Exam questions can be uploaded via Canvas®, but they *must be completed before each deadline (see above)* to receive credit. You will need your dedicated laptop, tablet, or smartphone to upload the questions.

Module Mastery

Because of the importance of each therapeutic module, doing very well on one module while failing another module (and having an overall average that would be passing) is not considered acceptable. There are three modules in this course, and students must pass each module with a grade of at least 70% in order to pass the course.

If a student does not reach 70% on a module exam, the student must earn at least 70% in that portion of the final cumulative exam. If a student does not reach 70% on that portion of the cumulative exam with this second attempt, a course grade of “F” will be assigned for the course grade. If the student does demonstrate mastery, the score originally attained on the module exam still applies (i.e., the first score earned) and will be used to calculate the final course grade.

Grading

Final scores are based on the sum of Exam scores and “Extra-credit (bonus) points”

Final scores are rounded to integers to reach letter-grades; for example: 86.49 ⇒ 86 = B

86.50 ⇒ 87 = B+

A	93 - 100%
A-	90 - 92%
B+	87 - 89%
B	83 - 86%
B-	80 - 82%
C+	77 - 79%
C	73 - 76%
C-	70 - 72 %
D+	67 - 69%
D	65 - 66%
F	<65%

Communication

How we communicate with you: Canvas®

All official communications about the course are through Canvas®. Therefore, it is mandatory that you visit the Canvas® website and/or check your email a minimum of every other day. There is no excuse for missing important announcements (e.g. new exam date or location, new office hours, etc...). Canvas® can be accessed from the UT homepage under the Resources section. If you encounter problems accessing Canvas® please contact the ITS helpdesk at: 512-475-9400 or the Canvas tutorials at <http://edutech.ctl.utexas.edu/students/>

How you communicate with us:

Course coordinator

You may contact the course coordinator at any time via

- Canvas® email
- Office hours: By appointment

Individual faculty

You may contact faculty members directly regarding lecture content – Contact information listed above. If you are unable to communicate with specific faculty, please contact the course coordinator (via Canvas® email).

Course Policies

Professionalism

We expect that all students demonstrate professionalism in all aspects of this course. Respect for others is to be demonstrated in class, with communication with instructors and students, during discussions, and in any completed assignment or group discussion. Unprofessional conducts will be dealt with in accordance to policies of the College of Pharmacy and The University of Texas. Failure to act professionally could result in failure of this course.

“Live” lectures

Attending “live” lectures (either in person, or televised) is one of the best way to learn the material in this course. This will allow you to work through the material with your peers, check and deepen your understanding of the material. Most importantly, attending classes gives you the opportunity to ask questions during class time; this facilitates learning, and avoids you feeling lost because of not understanding one particular topic/section. When lectures are not at “your” campus, you can still interact with the instructor and the rest of the students via televised communication. It is strongly recommended that you attend all “live” lectures.

Video recordings of live lectures

Video-streamed recordings of lectures are intended to facilitate learning, but are not a substitute for attending class. These recordings are solely for the purpose of review by students currently enrolled in the class. Faculty and students utilizing class recordings should be careful to not compromise the privacy of either themselves or other users (<http://registrar.utexas.edu/students/records/ferpa>), or the rights of the presenter. Any distribution of College- or student-generated recordings (regardless of format) is prohibited without the written and signed permission of the presenter and students identifiable on the recording.

Learning material

Each faculty may have his/her required learning material, so make sure you check with each faculty, to be sure you know what learning material to use for each lecture. Additional learning material can come from “outside the classroom” or from Canvas®.

Internet

In most cases, the internet is *not* a good learning resource, unless it is associated with an educational institution. For example, students sometimes use Wikipedia or similar sites. However, since Wikipedia is *not a reliable source*, it is recommended that you avoid using Wikipedia and similar sites to study for this course.

Exam Policies

Exam location, duration, and instructions

Module exams will be administered in the classroom at 9 am-10:50 CST on Sept, 2, 16 and 30th. Refer to Canvas® for information regarding the final exam.

During the exams, students are required to place their bags and other belongings in the front or side of the room. No cellphones smartphones or similar devices are allowed during exam time. Therefore, students need to arrive early on the day of the Module examinations to allow for these pre-examination preparations. All instructions and known corrections will be made at the beginning of the examination period and may not be repeated. Module exams last 110 minutes; the final cumulative exam lasts 3 hours.

Students arriving late will not be given extra time to make-up for late arrival. Students arriving after any student has already completed the exam and left the room may not be allowed to sit for the exam, and may receive a score of “zero” for the exam, at the discretion of the course coordinator.

There is no talking, whispering, or communicating with other students during exam time. Students are expected to complete their exam on their own (see Academic integrity).

Advance requests for absences from examinations

Under exceptional circumstances, you may request another exam time by contacting the Course Coordinator prior to the exam. In this case, you must also complete the College Form titled “Student Request for Alternate Exam Time” for consideration and final approval by the Course Coordinator. This should be done prior to the exam day – preferably as soon in the semester that you know you need to request exam re-scheduling. If permission is granted, the nature of the make-up exam will be at the discretion of the course coordinator (oral, written, increased weighting on the final, etc.).

Sickness and exam absences

No allowances will be made for an exam being missed after the fact without subsequent evidence documenting an illness or emergency that occurred immediately prior to the time of the exam. If you become sick and unable to attend the exam, you should immediately notify the Course Coordinator and Local Coordinator. You will be expected to take the exam as soon as possible. The nature of the make-up will be at the discretion of the Course Coordinator (oral, written, increased weighting on the final, etc.). An unexcused absence from an exam will result in a grade of “zero” for that exam.

Exam grading

The grading of exam questions is based on answers on the scantron sheets and not on answers written on your exam papers. There will be no re-grades based upon mis-keying answers from the exam to the scantron; therefore check and recheck your answers keyed onto your scantrons.

Scantrons need to include student name, signature, and UT EID. **Two points will be deducted if this student information is missing.** You must turn-in your scantron and your exam with your signed (or intentionally unsigned) honor pledge prior to leaving the exam.

Your scantron will be later photocopied and that photocopy will be available to you after 1-4 days (locations will be posted on Canvas®). Once scantron copies are made available to you, the key will be posted and announced on Canvas®. Within 3-5 days of this, your exam grade will be posted on the Canvas® gradebook and you will be notified that grades are posted.

Post-exam remarks and reconsideration requests

If there is a disagreement over the answer to specific question(s), the student can ask for a reconsideration request for that (or those) question(s).

When to send the request

Requests must be sent within 72 hours of the Canvas® posting of the exam results and key. Requests will be reviewed by the faculty member who wrote the question and by the course coordinator, and a final decision will be made within approximately one week (do not expect a response earlier).

To whom and how to send the request

Requests must be sent via email to the Staff Coordinator (Linda Gordon: lgordon@austin.utexas.edu). The email's subject line must be "PHM 385G - MODULE X EXAM QUESTION RECONSIDERATION" (where X is the number of the module you are referring to).

Note that requests will be reviewed by the faculty who wrote the question, but faculty are instructed not to respond to reconsideration requests sent directly to them. So please make sure you follow the instructions above (i.e. send the request to Linda Gordon, not to individual faculty).

How to word the request

It is advised that you use professional and courteous language when making a request for reconsideration. Faculty may reject your request if they consider the request to be presented in an unprofessional manner.

Each reconsideration request must restate the question and all the answers word-by-word (e.g. it is not OK to state "I think the answer to question 10 was A and not B", because this does not restate the question, nor all the answers word-by-word).

After restating the question and answers, you should explain why you believe your answer was correct, by providing documentation. **Documentation may include statements from textbooks, handouts, or current scientific reprints.** The explanation must be clear, rational, and concise.

Inadequate documentation: Notes taken in class, or excerpts from ".com" internet sites Wikipedia, or blogs are not authoritative or allowed documentation. In addition, answers marked correct from old exams cannot be used as justification. Old exam questions might have been thrown-out for a number of reasons; old exam questions may also be "old", because the information in that field may have changed (e.g. some drugs may no longer be effective, some new mechanisms of action have been discovered, etc...).

Important consideration

If you believe there is a discrepancy between what two faculty members present in class (or differences between classes), this should come up when the information is presented in class or when

you are studying. Therefore, your concerns or confusion should be resolved with the faculty before the test, not used as a reason for post exam reconsideration.

Appeal

If you feel that your reconsideration request has not been considered fairly, you have the right to appeal the decision to the Course Coordinator (consistent with the College Grievance Policy in the Student Handbook). However, you need to fully and clearly justify the appeal (e.g. it is not OK to just forward a message or string of emails and telling the Course Coordinator that you disagree with the messages you are forwarding).

Final exam re-examination policy

There is no final exam re-examination allowed in this course.

Students with disabilities requiring exam accommodations

Upon request, the University of Texas at Austin provides appropriate academic accommodations for qualified students with disabilities. All University rules concerning accommodations must be followed, including the student arranging for special accommodations. Accommodations should be requested prior to any exam, preferably within the first week of class. Please submit your accommodation paperwork to your Local Course Coordinator. In the absence of such prearrangement, the student will be assumed that the student is not requesting special accommodations for that exam, and will be expected to take the exam with the rest of the class at the regularly scheduled exam time. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

Academic integrity

The "Statement on Scholastic Integrity of the College of Pharmacy" reads as follows: "Pharmacy practitioners enjoy a special trust and authority based upon the profession's commitment to a code of ethical behavior in its management of client affairs. The inculcation of a sense of responsible professional behavior is a critical component of professional education, and high standards of ethical conduct are expected of pharmacy students. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including failure of the course involved and dismissal from the college and/or the University. Since dishonesty harms the individual, fellow students, and the integrity of the University and the College of Pharmacy, policies of scholastic dishonesty will be strictly enforced in this class".

Students are expected to work independently on all examinations and bonus-point assignments. In addition, students are expected to have read and understood the current issue of the General Information Catalog published by the Registrar's Office for information about procedures and about what constitutes scholastic dishonesty.

All cases of cheating will be reported to the Dean of the College of Pharmacy and to the Dean of Students, as per University regulations. Administration of formal disciplinary actions will proceed by University guidelines and the course faculty will generally recommend a score of "zero" for that assignment, as penalty for cheating. As per university guidelines, this penalty may be modified by the Office of Student Judicial Services.

Technical Standards

Technical standards apply for this course. Please <http://pharmacy.utexas.edu/students/programs-of-study/pharm-d-program/technical-standards-for-pharmacy-education/>

Concerns about a student's ability to meet technical standards noted by an instructor will be forwarded to The University of Texas College of Pharmacy, Office of Student Affairs.

Religious holy days

Texas Education Code: A student shall be excused from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. University policy requires students to notify each of their instructors as far in advance of the absence as possible so that arrangements can be made.

UT College of Pharmacy Policy: A student who misses classes or other required activities, including examinations, for the observance of a religious holy day should inform the instructor, Course Coordinator, and Local Coordinator within the first week of class, so that arrangements can be made to complete the assignment within a reasonable time after the absence.

Emergencies during Class

If an emergency situation occurs during class, follow University and campus procedures.

If you are asked to evacuate the classroom bring your car keys and laptops with you. You may not be returning to the classroom.

Classroom Evacuation for Students

All occupants of university buildings are required to evacuate a building when a fire alarm and/ or an official announcement is made indicating a potentially dangerous situation within the building.

Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.

If you require assistance in evacuation, inform your instructor in writing during the first week of class.

For evacuation in your classroom or building:

1. Follow the instructions of faculty and teaching staff.
2. Exit in an orderly fashion and assemble outside.
3. Do not re-enter a building unless given instructions by emergency personnel.

Lockdown

The directive "Lockdown" is used to protect occupants in proximity of an immediate threat by limiting access to buildings and rooms. If no specific locations are given, all buildings should initiate lockdown procedures. Should you discover that there is a violent or potentially violent person in your building or area, DO NOT CONFRONT THE PERSON UNLESS THERE IS NO OTHER OPTION TO SAVE YOUR LIFE.

If the threat is inside your building:

Follow the 5 OUTS:

1. GET Out - Get OUT OF THE FACILITY if possible.
2. CALL Out - Use mobile devices to call emergency personnel at 911 or 471-4441 and provide relevant information. High mobile phone volume may interfere with emergency communications and should be limited to contact with emergency personnel only.
3. KEEP Out - Do not lock exterior doors. Close, lock, and barricade interior doors, if possible.
4. HIDE Out - Seek shelter in the nearest secured place, i.e. classroom or office. Turn off lights and any devices that may indicate that the room is occupied. If you are on the first floor, close any window blinds or curtains. Stay away from doors and try to keep out of the line of sight. Sit or lie on the floor or crouch behind or under desks. Be as invisible as possible.
BE QUIET. DO NOT respond to anyone at the door while in lockdown mode. Law enforcement will announce themselves and release anyone in that room when it is safe. Should the fire alarm be activated during a lockdown, wait for direction on the building PA System or from the police before evacuating if there is no immediate danger. If there is smoke or fire present, you may need to evacuate.
5. TAKE Out - Last resort. Use anything to distract or disable the suspect.