PHM 290M Inpatient Adult Medicine  
Spring 2020

Course Coordinator  
Laurajo Ryan, PharmD, MSc, BCPS, CDE  
Clinical Professor  
The University of Texas at Austin College of Pharmacy  
UT Health San Antonio  
McDermott 3.3418  
(210)567-8320; ryanl@uthscsa.edu

Pronouns  
She/her/hers

Office hours  
Dr. Ryan is based in San Antonio and is available by email and by appointment (in office or via Webex®/Facetime®)

Course Unique Numbers  
San Antonio—57850  
Austin—57855

Classrooms  
San Antonio 2.108  
Austin 4.114

Class Days/Times  
Wednesday 10AM-1150AM

Local Coordinator (Austin)  
Bryson Duhon, PharmD, BCPS  
Assistant Dean for Student Success  
The University of Texas College of Pharmacy  
Clinical Assistant Professor  
Pharmacy Practice  
(512)475-9756; duhon@austin.utexas.edu

Course Faculty  
Dr. Duhon duhon@austin.utexas.edu  
Dr. Jantzen kristin.janzen@austin.utexas.edu  
Dr. Moote moote@uthscsa.edu
Course Information

Course Description
This course will focus on drug therapy and medical treatment of the hospitalized adult patient. Students will be introduced to clinical pharmacy practice opportunities in the adult inpatient medicine setting and will learn treatment principles of commonly encountered disorders in acutely ill patients.

Course Goals and Learning Outcomes
This course is designed to help the student integrate both the clinical & basic scientific knowledge of pharmacy practice in the inpatient adult medicine setting, and to prepare students for a successful experience in the required Acute Care rotations and beyond in clinical practice.

Each session will introduce the learner to a specific disease state or topic that is commonly encountered in hospitalized patients. Pre-readings will be assigned to provide background to the learning session and to familiarize the student with the literature that the clinical recommendations are based on.

Course Learning Objectives
*Specific learning objectives will be provided for each session prior to class

At the end of this course, the successful student will be able to determine the following for each disease state covered:
- Describe the etiology and pathophysiology of the disease state and identify the associated risk factors
- Outline the major treatment guidelines for each disease state (if applicable), and describe the evidence these guidelines are based on
- Given a patient case, devise the most appropriate pharmacotherapy regimen for a given patient
- List any patient-specific parameters such as co-morbidities or organ dysfunction that may alter the preferred therapy for a given patient
- Identify the monitoring parameters associated with each disease state/therapy

In addition to didactic knowledge, this course will address CAPE outcome 3.1 (problem solving) as it applies to the pharmacotherapy of disease.

Course Success
There is no required textbook, there will, however, be required readings assigned for each lecture. These will be provided electronically either through AccessPharmacy or posted on Canvas. The readings may consist of online textbook chapters, review articles or other appropriate sources. Completion of the pre-readings is necessary to fully appreciate the class presentation, exercises and quiz material.

Course Website
This course uses Canvas, a Web-based course management system in which a password-protected site is created for each course. Canvas will be used to distribute course materials, to communicate, and to post grades. Canvas is available at http://canvas.utexas.edu. Support is provided by the ITS Help Desk at 475-9400 Monday through Friday 8 am to 6 pm.

Course Communications
Official course communications will take place in class, through e-mail and on the course Canvas website. Students are advised to configure their Canvas settings to forward course announcements to their official e-mail address. Canvas uses only the e-mail address listed on the official University of Texas directory, so please check the University’s online directory to ensure your e-mail address is listed correctly. You can find UT Austin’s policies and instructions for updating your e-mail address at http://www.utexas.edu/its/policies/emailnotify.php
**Course Video Recordings**

A video capture system will be used in this course. The video streams are offered as a supplement to lecture attendance, not as a substitute. Therefore, if technical problems preclude recording the lecture, the lecture will **not** be re-recorded, but students are still responsible for the content of the lecture. Lecture recordings will be available to you for the balance of the semester unless otherwise specified. Do not expect to have access after the semester is over.

Faculty and students utilizing class video recordings should be careful to not compromise the privacy of either themselves or other users ([http://registrar.utexas.edu/students/records/ferpa](http://registrar.utexas.edu/students/records/ferpa)), or the rights of the presenter. Students are free to make their own recordings of lectures unless specifically prohibited from doing so by the presenter. Any additional 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. Likewise, all course materials developed by the faculty member (handouts, PowerPoints, etc.) are the intellectual property of that faculty member and cannot be distributed further without the permission of that faculty member.

Viewing video-streamed recordings of lectures can be streamed on campus or can be viewed off-campus using a DSL broadband connection. Your faculty are not in a position to troubleshoot your video-streaming problems, so please do not ask them to do so; rather, you should access the LRC’s help website at [https://www.utexas.edu/pharmacy/help/](https://www.utexas.edu/pharmacy/help/) to address those problems. You will find additional information about the lecture capture system or can report technical issues at [http://sites.utexas.edu/phr-lrc/](http://sites.utexas.edu/phr-lrc/)

---

**Course Policies**

**Grading Policies**

The course grade will be calculated as the percentage of total points earned out of a possible 400 points. Students will earn points from the following:

- Exam 1 – 100 points
- Exam 2 – 100 points
- Exam 3 – 100 points
- Reading Quizzes – maximum 100 points total (up to 15 points per lecture)

**Letter Grade Assignment**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Percentage</th>
<th>Maximum Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100 %</td>
<td>to 93.5%</td>
</tr>
<tr>
<td>A-</td>
<td>&lt; 93.5 %</td>
<td>to 89.5%</td>
</tr>
<tr>
<td>B+</td>
<td>&lt; 89.5 %</td>
<td>to 86.5%</td>
</tr>
<tr>
<td>B</td>
<td>&lt; 86.5 %</td>
<td>to 83.5%</td>
</tr>
<tr>
<td>B-</td>
<td>&lt; 83.5 %</td>
<td>to 79.5%</td>
</tr>
<tr>
<td>C+</td>
<td>&lt; 79.5 %</td>
<td>to 76.5%</td>
</tr>
<tr>
<td>C</td>
<td>&lt; 76.5 %</td>
<td>to 73.5%</td>
</tr>
<tr>
<td>C-</td>
<td>&lt; 73.5 %</td>
<td>to 69.5%</td>
</tr>
<tr>
<td>D+</td>
<td>&lt; 69.5 %</td>
<td>to 67.0%</td>
</tr>
<tr>
<td>D</td>
<td>&lt; 67.0 %</td>
<td>to 64.0%</td>
</tr>
<tr>
<td>D-</td>
<td>&lt; 64.0 %</td>
<td>to 61.0%</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 61.0 %</td>
<td>to 0.0%</td>
</tr>
</tbody>
</table>

*at the discretion of the course coordinator this scale may be curved more leniently in the final analysis of grades; no exam score will be dropped, and no re-examinations will be given.*
**Disruptive Behavior**
Disruptive/disrespectful behavior will not be tolerated. Any student who displays disruptive or disrespectful behavior whether directed at the instructor or fellow students may be asked to leave the class and referred to the Dean’s Office.

**Attendance**
This is a professional course and as such, attendance is expected. If you miss class for any reason, you will be held responsible for all material covered and for any announcements made during class. If you must miss class, it is your responsibility to contact a classmate for notes/missed materials. Discussions are an integral part of the learning process in this course and therefore attendance and active participation are expected. If you miss class you will forfeit points from the reading quiz for that day, these quizzes cannot be made up (see “reading quizzes”).

**Assigned Readings**
Text assignments and additional articles assigned throughout the semester are considered required readings unless marked otherwise. Please be prepared to discuss readings and apply to cases during class. Also, note that exam questions may be derived from case studies, lecture materials, class discussion, or assigned readings.

**Reading quizzes**
Up to 100 points will be available via quizzes associated primarily with assigned readings. Typically, quizzes will take place at the beginning of each class, but it is the prerogative of the instructor to move the quiz within the given class period. The quiz will cover assigned reading material and will be submitted using CANVAS. It is the individual students’ responsibility to ensure their app is up to date. Each quiz will be worth up to 15 points. Any points accumulated over 100 will not be counted. If a student is absent for the quiz the student will receive a grade of zero. No make ups will be allowed.

---

**Exam Policies**

**Post-Exam Remarks and Reconsideration Requests**
Exams in this course will NOT be returned to the student. Any student who removes an examination from the testing room will receive a score of zero for that examination. The exam key will be available for individual review at a time designated by the local course coordinator. Students may NOT remove or in any way copy or reproduce any portion of the exam. Any attempt to reproduce or recreate the exam will be considered academic dishonesty.

If there is a disagreement over the answer to a specific question, the student should present a written explanation (with supporting documentation) to the course coordinator within 72 hours of examination review period. The explanation must be clear, rational, and concise. (This policy does not apply to mathematic or other grading errors). The final determination of points awarded is at the sole discretion of the course coordinator.

**Request for an Alternate Exam Time:**
No allowances will be made for an exam being missed, other than documented illness or emergency, or by prior approval by the Course Coordinator. An unexcused absence from an exam may result in a grade of "zero" for that exam. Any student requesting accommodation for an upcoming exam must submit the request to the course coordinator using the online form posted on Canvas® at least one month prior to the exam. Note the new policy that an alternate exam time will be considered only if the student documents that they can’t be physically present on the date the exam is already scheduled.

**Religious Holy Days**
If you will miss a class, an examination, a work assignment or a project in order to observe a religious holy day, you must notify the course coordinator the first week of class so that arrangements for all such students can be made for the full semester.
Academic Integrity
Students who violate University rules on academic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. See College Policies and Information, and University Policies and Information for more details.

Services for Students with Disabilities
Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities at 471-6259 (voice) or 232-2937 (video phone) or https://diversity.utexas.edu/disability/. All University rules concerning accommodations must be followed, including the student arranging for special accommodations prior to each examination. In the absence of such prearrangement, it 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.

Please provide a copy of the letter to the course coordinator and the office of the Associate Dean for Academic Affairs as soon as possible after receipt.

Course Schedule

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC*</th>
<th>PRESENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 22</td>
<td>Syllabus Overview</td>
<td>Dr. Ryan</td>
</tr>
<tr>
<td></td>
<td>Introduction to Inpatient Clinical Pharmacy Practice</td>
<td></td>
</tr>
<tr>
<td>February 5</td>
<td>Acute Decompensated Heart Failure</td>
<td>Dr. Jantzen</td>
</tr>
<tr>
<td>February 12</td>
<td>Fluid &amp; Electrolyte Management</td>
<td>Dr. Duhon</td>
</tr>
<tr>
<td>February 19</td>
<td>Exam 1 (covers January 22nd—February 12th)</td>
<td>Dr. Duhon</td>
</tr>
<tr>
<td></td>
<td>Fluid &amp; Electrolyte Management part 2</td>
<td></td>
</tr>
<tr>
<td>February 26</td>
<td>Endocrine Emergencies</td>
<td>Dr. Ryan</td>
</tr>
<tr>
<td>March 4</td>
<td>Hematologic disorders; coagulation, sickle cell disease</td>
<td>Dr. Ryan</td>
</tr>
<tr>
<td>March 11</td>
<td>Acid/Base Disorders</td>
<td>Dr. Ryan</td>
</tr>
<tr>
<td>March 18</td>
<td><em><strong><strong>Spring Break</strong></strong></em></td>
<td></td>
</tr>
<tr>
<td>March 25</td>
<td>Solid Organ Transplant</td>
<td>Dr. Swei</td>
</tr>
<tr>
<td>April 1</td>
<td>Exam 2 (covers February 19th—March 25th)</td>
<td>Dr. Ryan</td>
</tr>
<tr>
<td></td>
<td>Oncologic emergency/supportive care</td>
<td></td>
</tr>
<tr>
<td>April 8</td>
<td>Stroke &amp; Hypertensive Crisis</td>
<td>Dr. Small</td>
</tr>
<tr>
<td>April 15</td>
<td>Kidney disease</td>
<td>Dr. Moote</td>
</tr>
<tr>
<td>April 22</td>
<td>ACLS</td>
<td>Dr. Lock</td>
</tr>
<tr>
<td>April 28</td>
<td>Fungal Infections</td>
<td>Dr. Hand</td>
</tr>
<tr>
<td>May 6</td>
<td>Exam 3 (covers April 1st—April 28th)</td>
<td>Dr. Ryan</td>
</tr>
</tbody>
</table>

* topics/presentation dates may be subject to change