



# COLLEGE of PHARMACY

THE UNIVERSITY OF TEXAS AT AUSTIN

## Pediatric Pharmacotherapy

Spring 2016

Thursday 8AM-10AM

### Course Coordinator

Elizabeth O. Hand, Pharm.D., BCPS  
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### Local Coordinators

**Austin: Patrick Davis**  
**UT El Paso: Jose Rodriguez**  
**UT Pan-Am: Lydia Aguilera**

### Office hours

Dr. Hand is based in San Antonio and is available by email, office phone and by appointment

### Course Schedule

DATE	TOPIC*	LECTURER
January 19	Syllabus Overview	Hand
	Introduction to Neonatal and Pediatric Medicine	Hand
January 26	Neonatal and Pediatric Parenteral Nutrition	Hand
February 2	Congenital Heart Defects and Management	Nicho
February 9	Bronchiolitis and Community-acquired Pneumonia	Hand
February 16	Life in the NICU	Green-Maxwell
February 23	<b>Exam 1</b> (covers January 19 <sup>th</sup> – February 16 <sup>th</sup> )	<b>NO FORMAL CLASS</b>
March 2	Diabetic Emergencies	TBD
March 9	Asthma Exacerbations and Status Asthmaticus	Curran
March 16	<b>Spring Break</b>	<b>NO FORMAL CLASS</b>
March 23	Seizure Disorders and Status Epilepticus	TBD
March 30	<b>Exam 2</b> (covers March 4 <sup>th</sup> —March 24 <sup>th</sup> )	<b>NO FORMAL CLASS</b>
April 6	Pediatric and Neonatal Sepsis	Boeck
April 13	Kawasaki's Disease	Hand
April 20	Pediatric Transplantation	Crowther
April 27	PALS	Davis
May 4	<b>Exam 3</b> (covers April 8 <sup>st</sup> —April 29 <sup>th</sup> )	<b>NO FORMAL CLASS</b>

### Required Readings

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.

**Course Description**

This course will focus on drug therapy and medical treatment of the hospitalized pediatric patient. Students will be introduced to clinical pharmacy practice opportunities in the pediatric 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 pediatric medicine setting, and to prepare students for Advanced Pharmacy Practice Experience rotations.

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 upon
- 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

**Course Policies****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.

**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" below).

**Academic Dishonesty**

The "Statement on Scholastic Dishonesty 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. Any student caught cheating will be given a "zero" on the exam (minimum). Any student suspected of dishonesty will be reported to the Dean of the College of Pharmacy and to the Dean of Students, as per University regulations. 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.

Students may consult with each other on case studies, but in NO instance shall the results be duplicated. Each student is expected to reach his/her own conclusion and produce his/her own assessment document.

As part of the honor code for the College of Pharmacy, the following statement will be added to all examinations: "I have neither participated in nor witnessed any acts of academic dishonesty pertaining to this examination." (student signature). If signature is left blank, the student will be contacted.

### **Students with Disabilities**

The University of Texas at Austin provides, upon request, appropriate academic accommodations for qualified students with disabilities. 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. For more information, contact the Office of the Dean of Students at (512) 471-6259, (512) 471-4641 TTY.

### **Use of E-Mail and Canvas® for Official Correspondence to Students**

E-mail and Canvas® are recognized as official modes of university correspondence; therefore, you are responsible for reading your e-mail and checking Canvas® announcements frequently for university and course-related information and announcements. You are responsible to keep the university informed about changes to your e-mail address. Check your e-mail regularly and frequently to stay current with university-related communications, some of which may be time-critical. You can find UT Austin's policies and instructions for updating your e-mail address at <http://www.utexas.edu/its/policies/emailnotify.php>

### **Religious Holy Days**

By UT Austin policy, you must notify the course coordinator of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss an examination in order to observe a religious holy day, I will give you an opportunity to complete the exam within a reasonable time after the absence.

### **Behavior Concerns Advice Line (BCAL)**

If you are worried about someone who is acting differently, you may use the Behavior Concerns Advice Line to discuss by phone your concerns about another individual's behavior. This service is provided through a partnership among the Office of the Dean of Students, the Counseling and Mental Health Center (CMHC), the Employee Assistance Program (EAP), and The University of Texas Police Department (UTPD). Call 512-232-5050 or visit <http://www.utexas.edu/safety/bcal>

### **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.

### **Grading**

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
- Pre-reading Quizzes – maximum 100 points total (up to 10 points per lecture)

### **Examinations**

There will be three 1-hour exams in this course. There is no final exam. Exams will be “take-home” exams done on-line through Canvas. Exams are to be completed individually, not as part of a group.

### **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 made available for 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.

### **Reading quizzes**

Up to 100 points will be available via quizzes associated primarily with assigned readings. Typically these 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 Turning Point®. It is the individual students' responsibility to ensure their app is up to date. Each quiz will be worth up to 10 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.

### **Letter Grade Assignment**

- A 94 - 100%
- A<sup>-</sup> 90 - 93%
- B<sup>+</sup> 87 - 89%
- B 84 - 86%
- B<sup>-</sup> 80 - 83%
- C<sup>+</sup> 77 - 79%
- C 74 - 76%
- C<sup>-</sup> 70 - 73%
- D<sup>+</sup> 67 - 69%
- D 64 - 66%
- D<sup>-</sup> 60 - 63%
- F Below 60%

\*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.

### **Canvas®**

The official Canvas® web site for this course can be accessed either through UTDirect or via <http://courses.utexas.edu>. Either access point is UTEID-protected, and provides you links to the courses in which you are currently enrolled. You are strongly encouraged to visit this site for additional resources associated with this course (your grades, electronic quizzes, powerpoint presentation, previous exams, the discussion board, contacting faculty by Email, electronic versions of suggested and **required** readings and hyperlinks). The website will also be used for official, course-related announcements and for exchange class information and questions via the discussion board. Be aware that any message posted to the discussion board are available to all enrolled students and faculty. If you encounter problems with accessing Canvas® please contact the ITS helpdesk at: 512-475-9400 or the Canvas® page at <http://edutech.ctl.utexas.edu/students/>.

### **Video Recordings**

Video-streamed recordings of lectures are intended to supplement learning; they are not a substitute for attending class. Although recordings of these lectures are intended to be available to you for the semester, be aware that technological difficulties can and do arise. If an individual faculty member chooses to not make his/her lectures available by video-streaming, that faculty member will inform you.

Viewing video-streamed recordings of lectures is primarily intended for on-campus computer facilities (e.g., LRC Library, 3.116 computer lab, or other computer facilities available on your specific campus). However, it should be possible to view the streaming video off-campus using broadband connections. Your faculty are not in a position to troubleshoot your video-streaming problems, so please do not ask them to do so; access the LRC 's help website at <https://www.utexas.edu/pharmacy/help/> to address those problems. Any other questions should go to the Director of the LRC, Kamran Ziai (ziai@austin.utexas.edu)

### **Redistribution of Class Recordings**

If video-recordings of a class are made available, they are intended solely for the students currently enrolled in that class. 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>), or the rights of the presenter. Any additional distribution of these recordings (regardless of format) is prohibited without the written and signed permission of the presenter. In addition, students who wish to make their own personal recordings (audio and/or video) during class must first secure permission from the presenter.

### **Emergency Evacuation Procedures**

- Familiarize yourself with exit routes from classrooms and buildings
- Evacuate when prompted by continually sounding fire alarms or by an official announcement
- Close classroom or office doors as you leave
- Leave the building in an orderly manner without rushing or crowding — do not use elevators
- Provide aid to those who need it in an emergency evacuation situation
  - If you feel you may require assistance in event of an emergency evacuation, please notify the course coordinator in writing the first week of class
- Follow instructions given by UTPD or other local officials
- Do not re-enter the building until all-clear is given by official announcement

### **Severe or Inclement Weather Procedures**

Since this course is taught on 4 separate campuses, inclement weather may affect some, but not all locations. In the event of a severe weather warning in your area, always follow local safety recommendations, and notify the course

coordinator via email as soon as possible. Individual accommodations will be made on an as-needed basis.