

## **P1 Year**

### **PHAR 1101—Introduction to Pharmacy Practice 1**

No Textbooks

### **PHAR 1220—Foundations in Practice of Pharmacy**

Recommended: Brinkley FS and Cacciatore GG. Texas and Federal Pharmacy and Drug Law, 11th Ed. 2017. ISBN: 0692949488

### **PHAR 1250—Clinical Correlations 1**

No Textbooks

### **PHAR 1430—Biological Foundations in Pharmacy**

Guyton and Hall Textbook of Medical Physiology, 13th edition, Elsevier/Saunders, 2015 (available free through the TTUHSC library system)

TolTech VH Dissector Pro Software, available for download (included in course fees)

Access to TTUHSC Library Multimedia resources

Visible Body<sup>®</sup> Human Body Atlas 2021, iOS/Android application (\*not required but is useful).

### **PHAR 1432—Pharmacy Immunology and Microbiology with Clinical Immunization Lab**

Required:

Title: The Immune System

Author: Peter Parham

Publisher: W.W. Norton & Company, New York and Garland Science Publishing, New York

Edition/Year: 5th/2021

<http://books.wwnorton.com/books/index.aspx>

Required: Centers for Disease Control . Epidemiology and Prevention of Vaccine-Preventable Diseases. 13th Ed. May 2015: CDC. Available for download at:  
<http://www.cdc.gov/vaccines/pubs/pinkbook/index.html>

Recommended: Angelo LB. APhA's Immunization Handbook. 5th. Ed. 2021: American Pharmacists Association. eISBN: 1-518212-365-9

## **PHAR 1440—Molecular Foundation of Therapeutics**

No textbook is required for this class. If you have never had a Biochemistry course, you might find a textbook helpful as a reference in order to understand the concepts covered in class. 'Marks' Basic Medical Biochemistry', 5th ed., by MA Lieberman, A Peet, Lippincott Williams & Wilkins, publishers, 2017, is a particularly nice selection. Contact the course team for other textbook suggestions.

## **PHAR 1460—Pharmacy Science and Calculations**

Required

H.C. Ansel, S.J. Prince Stockton: Pharmaceutical Calculations 16th Edition, LWW, 2021

Recommended

P. Sinko: Martin's Physical Pharmacy and Pharmaceutical Sciences 7th Edition, Lippincott Williams & Wilkins 2016

L.V. Allen, N.G. Popovich, H.C. Ansel: Pharmaceutical Dosage Forms and Drug Delivery Systems 9th Edition, Williams & Wilkins, 2012

D.L. Elder: A Practical Guide to Contemporary Pharmacy Practice 4th Edition, Lippincott Williams & Wilkins 2017

M.G. Teixeira, J.L. Zatz: Pharmaceutical Calculations 5th Edition, Wiley 2017

Supplemental

Remington The Science and Practice of Pharmacy, 22nd Edition, Lippincott Williams & Wilkins 2012

## **P2 Year**

## **PHAR 2101—Introduction to Pharmacy Practice 2**

No Textbooks

## **PHAR 2210—Clinical Research and Drug Literature Evaluation**

No textbooks are required; any required reading material will be posted on the course site

## **PHAR 2218—Health Systems and Policy**

Recommended Text: McCarthy RL, Schafermeyer KW, Plake KS. Introduction to Health Care Delivery: A Primer for Pharmacists. 6th ed. Burlington, MA: Jones & Bartlett Learning; 2017.

## **PHAR 2220—Applied Patient Care Lab**

Recommended Text:

Fundamental Skills for Patient Care in Pharmacy Practice (ISBN: 9781449652722)

Required Course Materials and Technology:

Mobile phone

Required (free): TTUHSC Libraries website access

[Lexi-comp Online® Database](#)

[Micromedex® Healthcare Online Series](#)

## **PHAR 2250—Clinical Correlations 3**

No Textbooks

## **PHAR 2401—ITP1: Cardiovascular**

DiPiro JT, Talbert RL, Yee GC, et al., eds. Pharmacotherapy, A Pathophysiologic Approach. 11th ed. New York, NY: McGraw-Hill; 2020. (Available via Access Pharmacy)

Brunton LL, Blumenthal DK, Murri N, Hilal-Dandan R. Goodman & Gilman's: The Pharmacological Basis of Therapeutics. 13th ed. New York, NY: McGraw-Hill; 2017. (Available via Access Pharmacy)

Kumar V, Abbas AK, Fausto N, Aster J, eds. Robbins and Cotran Pathologic Basis of Disease. 10th edition. Philadelphia, PA: Saunders; 2021 (available via Clinical Key).

Fauci AS, Braunwald E, Kasper DL, et al, eds. Harrison's Principle of Internal Medicine. 20e ed. New York, NY: McGraw-Hill; 2018. (Available via Access Pharmacy)

Hall J. Guyton and Hall Textbook of Medical Physiology. 14th edition, Philadelphia, PA: Saunders; 2021 (Available via Clinical Key).

## **PHAR 2402—ITP2: Renal and Respiratory**

DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey LM, eds. *Pharmacotherapy: a Pathophysiologic Approach*. 11th ed. 2020. New York, McGraw-Hill.

Available through the TTUHSC Libraries and Access Pharmacy

Brunton LL, Hilal-Dandan R, Knollman BC, eds. *Goodman & Gilman's The Pharmacological Basis of Therapeutics*. 13th ed. 2018. New York, McGraw-Hill.

Available through the TTUHSC Libraries and Access Pharmacy

Hall JE, ed. *Guyton and Hall Textbook of Medical Physiology*. 14th ed. Philadelphia, PA: Saunders Elsevier; 2021.

Available through the TTUHSC Libraries and ClinicalKey

Kumar V, Abbas AK, Aster JC, eds. *Robbins and Cotran Pathologic Basis of Disease*. 10th ed. Philadelphia, PA: Saunders Elsevier; 2021.

Available through the TTUHSC Libraries and ClinicalKey

Key guidelines for therapy including the EPR-3 for Asthma and GOLD for COPD

## **PHAR 2420—Principles of Self Care, Health, and Wellness**

Required

Krinsky DL, ed. *The Handbook on Nonprescription Drugs*. 20th ed. Washington, DC: American Pharmaceutical Association; 2020. ISBN-1-58212-317-9.

Hardcopies available for limited check out. Contact a faculty team member on your campus.

Online: Available through the TTUHSC online libraries for free

Recommended

Mospan C, Wilhelm M, ed. *Handbook for Nonprescription Drugs Quick Reference*. Washington, DC: American Pharmaceutical Association; 2019. ISBN 1-58212-290-3.

Online databases

[Natural Medicine](#)

Lexicomp Natural Products

MICROMEDIEX Herbal Medicines, a Guide for Health-Care Professionals

## **P3 Year**

### **PHAR 3218—Financial Management**

#### Required

Carroll, N. V. (2016). Financial management for pharmacists. Lippincott, Williams, & Williams, Baltimore, MD ISBN-13: 978-0998402406

#### Recommended

Baker, J. J., Baker, R. W., & Dworkin, N. R. (2013). Health care finance: Basic tools for nonfinancial managers. Jones & Bartlett Learning. ISBN-13: 978-1284029864

Schumock, G., T., & Stubbings, J. (2013). How to Develop a Business Plan for Pharmacy Services. American College of Clinical Pharmacy, Lenexa, Kansas. ISBN: 978-1932658965

### **PHAR 3250—Clinical Correlations 5**

No Textbooks

### **PHAR 3405—ITP 5: Neurosensory/Psychiatry**

#### Required

Dipiro, JT, Talbert RL, Yee GC, Matzke GR, Wells BG and Posey LM: Pharmacotherapy, A Pathophysiologic Approach, 11th Edition, McGraw-Hill: New York, 2020. Available through the TTUHSC Libraries (Access Pharmacy)

Goodman and Gilman: The Pharmacological Basis of Therapeutics, 13th Ed., McGraw-Hill: 2018. Available through TTUHSC Libraries (Access Med or Access Pharmacy)

Robbins: Pathologic Basis of Disease, 10th Ed., W. B. Saunders. Available through TTUHSC Libraries (Clinical Key)

Stahl SM: Stahl's Essential Psychopharmacology: Neuroscientific Basis and Practical Applications, 5th ed., New York, NY, Cambridge University, 2021

#### Recommended

APA: Diagnostic and Statistical Manual of Mental Disorders, 5th edition, Arlington, VA, American Psychiatric Association, 2013

## **PHAR 3406—ITP 6: GI, Nutrition, Obesity, and Wellness**

Required:

DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey L. eds. Pharmacotherapy: A Pathophysiologic Approach, Tenth Edition. New York, NY: McGraw-Hill; 2017. Available through the TTUHSC Libraries and Access Pharmacy

## **PHAR 4203—Advanced Therapeutics and Practice Elective**

DiPiro JT, Talbert RL, Yee GC, et al, eds. Pharmacotherapy, A Pathophysiologic Approach. 11th ed. New York, NY: McGraw-Hill; 2020. (Available via Access Pharmacy)

Various therapeutic guidelines (see schedule)

Self-Identified NAPLEX Review guide (recommended)

## **PHAR 4206—Veterinary Pharmacy Elective**

Optional

Mealey, K.L (ed). Pharmacotherapeutics for Veterinary Dispensing. 1<sup>st</sup> Edition. Wiley Blackwell. 2019. ISBN: 978-1-119-40454-5.

## **PHAR 4211—Advanced Infectious Diseases Elective**

Required: None

Recommended

[Principles and Practices of Infectious Diseases \(Mandell's – 9th Edition\)](#)

[Reese & Betts' A Practical Approach to Infectious Diseases \(5th Edition\)](#)

[Antibiotics Simplified \(4<sup>th</sup> Edition\)](#)

## **PHAR 4213—Advanced Cardiology Elective**

Required:

There is no specific textbook required for this course. Candidates will be given topic-specific reading assignments (primary literature, tertiary literature, online resources) to augment the learning experience.

Recommended: Recommended readings will be provided by faculty members at the time of lecture

### **PHAR 4214—Advanced Patient Management in Ambulatory Care Elective**

There are no specific textbooks required for this course. Candidates will be given topic specific reading assignments (e.g., national clinical guidelines and/or clinical trial data) to supplement the learning process.

### **PHAR 4216—Cultural Competency in Healthcare Elective**

No textbook is required for this course; however, required readings and/or materials will be assigned by faculty members. Any required readings will be posted in Sakai

### **P4 Year**

### **PHAR 4200—Grand Rounds**

Materials for this course will be provided by the student presenters. Additional information from the American Council on Pharmaceutical Education (ACPE), development of an effective presentation, and a review on the presentation evaluation method are posted on Sakai by the Team.