

## 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-ClinicalCorrelations 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)

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

Access to TTUHSC Library Multimedia resources

Visible Body 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. 2011: American Pharmacists Association. eISBN:518212365-9

## 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

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## 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

[Lexicomp Online Database](#)

[Micromedex Healthcare Online Series](#)

## PHAR 2250-Clinical Correlations 3

No Textbooks

## PHAR 2401-HP1: 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, Haddad 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 242—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, Hilandandan 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 [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 [ClinicalKey](#)

Key guidelines for therapy including the [EPR](#) 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 Professionals

## P3 Year

### PHAR 3218-~~Financial Management~~

#### Required

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

#### Recommended

Baker, J. J., Baker, R. W., & Dworkin, N. R. (2014). Health care finance: Basic tools for nonfinancial managers. Jones & Bartlett Learning. ISBN: 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-~~TP 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. 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, New York, NY, Cambridge University Press, 2012

#### Recommended

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

## PHAR 3406-TP 6: GI, Nutrition, Obesity, and Wellness

## 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.