

AACP BASIC RESOURCES FOR PHARMACY EDUCATION

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Introduction

The AACP *Basic Resources for Pharmacy Education* is produced as a guide for those developing or maintaining the library collections that serve colleges and schools of pharmacy. The goal of the Basic Resources list is to make recommendations of books and other works to be included in pharmacy libraries, but not all titles are required to be purchased. Each pharmacy college has its own mission and its own program(s), and so each college's library collection must reflect that mission and support the college's program(s). Excellent library collections are built by knowledgeable librarians and drug information specialists using their professional judgment along with the expertise of the college's faculty. The Basic Resources list should not be used as a benchmark and is not prescriptive but is instead a starting place for librarians who are building a new collection or maintaining an established one.

Methods

The Basic Resources list is a service project of the Library and Information Sciences Section of AACP. The list consists of 64 subject sections that are each reviewed every three years by a contributor who makes suggestions for additions and deletions. Contributors consist of librarians and drug information specialists and are assigned up to three subject sections to review.

Using the current list as a starting point, contributors consult with faculty from their institution who have expertise in their assigned subject section. Contributors may also utilize library catalogs, publisher's websites, book reviews in scholarly journals, and authoritative lists such as Doody's Core Titles or Choice Reviews to identify titles for their sections. Suggested additions are meant to support pharmacy curriculums that will be offered at the majority of institutions, while being mindful of the variety of programs and degrees offered at colleges and schools of pharmacy.

In general, reference books that retain their utility, volumes that have influenced major changes in pharmaceutical education, and volumes that are of sufficient interest to have been reprinted recently will be retained beyond six years and defined as a "classic". This designation is also intended for those titles that should be considered for retention when earlier books in general are being discarded. Whether or not an effort should be made to acquire these titles for a collection that lacks them depends on the importance of their content to the individual school. All non-English language books and other materials, including foreign pharmacopoeias because of irrelevancy to basic curriculum, will be omitted from the list.

The editors of the Basic Resources list will compile the recommended additions and deletions for each review cycle and an advisory panel of pharmacy librarians and faculty members vote on the suggested changes. Approved changes are subsequently incorporated into the list's database. The entire Basic Resources list is reviewed every three years and published semiannually.

Results

Following the review schedule, the following subject sections were updated in this edition of the Basic Resources list: D.0 Clinical Sciences, D.1 Pathophysiology, D.2 Patient Physical Assessment, D.3.a Geriatrics, D.3.b Neurology, D.3.i Surgery, E.4.c Home Health Care, E.4.d Managed Care

Following recommendations from the contributors and review by the advisory panel, 6 books and other works were added to the list and 6 were removed from the list. A sortable version of the list is available in a separate Excel® file.

Future Directions

The next edition of the Basic Resources list will take place during the Spring of 2021 with a target publication date of July 2021.

Subject Classification of the Basic Resources for Pharmacy Education

A.0 BASIC SCIENCES

A.1. GENERAL CHEMISTRY

A.2 BIOCHEMISTRY (See also B.1 MEDICINAL CHEMISTRY)

A.3 IMMUNOLOGY

A.4.0 MICROBIOLOGY

A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY

B.0 PHARMACEUTICAL SCIENCES

B.1 MEDICINAL CHEMISTRY

B.2 PHARMACOGNOSY AND NATURAL PRODUCTS (see also D.3.C NUTRITION AND NUTRACEUTICALS)

B.3.0 PHARMACEUTICS

B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS

B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT (see also B.5.0 INDUSTRIAL)

B.5.0 INDUSTRIAL

B.6.0 COSMETICS

B.7.0 NUCLEAR AND RADIOPHARMACY

B.8.0 PHARMACOLOGY

B.8.a.0 TOXICOLOGY

B.8.a.1 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS (see also D.3.0 THERAPETUICS)

B.8.b VETERINARY PHARMACOLOGY

B.9 PHARMACOGENETICS & PHARMACOGENOMICS

C.0 MEDICAL SCIENCES

C.1 ANATOMY AND PHYSIOLOGY

D.0 CLINICAL SCIENCES

D.1 PATHOPHYSIOLOGY

D.2 PATIENT PHYSICAL ASSESSMENT

D.3.0 THERAPEUTICS

D.3.a GERIATRICS

D.3.b NEUROLOGY

D.3.c NUTRITION AND NUTRACEUTICALS

D.3.d ONCOLOGY AND HEMATOLOGY

D.3.e PARENTERALS

D.3.f PEDIATRICS

D.3.g PSYCHIATRY

- D.0 CLINICAL SCIENCES (continued)**
 - D.3.0 THERAPEUTICS (continued)**
 - D.3.h SUBSTANCE ABUSE**
 - D.3.i SURGERY**
 - D.3.j PREGNANCY AND LACTATION**
 - D.4. ALTERNATIVE MEDICINE**
- E.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY)**
 - E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES**
 - E.1.a EPIDEMIOLOGY**
 - E.1.b PHARMACOECONOMICS**
 - E.2.0 PATIENT-RELATED ACTIVITIES**
 - E.2.a DISEASE STATE MANAGEMENT**
 - E.2.b SELF CARE (OTCs)**
 - E.3.0 PHARMACISTS' PROFESSIONAL DEVELOPMENT**
 - E.3.a COMMUNICATION SKILLS**
 - E.3.b EDUCATION**
 - E.3.c INTERPROFESSIONAL EDUCATION**
 - E.3.d CULTURAL COMPETENCY**
 - E.4.0 PROFESSIONAL PRACTICE**
 - E.4.a COMMUNITY PHARMACY**
 - E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY**
 - E.4.c HOME HEALTH CARE**
 - E.4.d MANAGED CARE**
- X.1.0 HISTORY[†]**
 - X.1.a CLASSICS[†]**
- X.2.0 INFORMATICS[†]**
 - X.2.a BIBLIOGRAPHIES AND LITERATURE GUIDES[†]**
 - X.2.b HANDBOOKS AND DICTIONARIES[†]**
 - X.2.c EVIDENCE-BASED PRACTICE[†]**
- X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS[†]**
- X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN[†]**
 - X.4.a QUALITY ASSURANCE[†]**
- X.5 DIRECTORIES[†]**

[†]The classifications beginning with 'X' may also be used as subdivisions of other classifications.
Examples: A.2 - X.4.0 BIOCHEMISTRY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

Basic Resources for Pharmacy Education

A.0 - X.6.1.c BASIC SCIENCES - ONLINE ABSTRACTS AND INDEXES (Updated Spring 2018)

Biological Abstracts. Clarivate Analytics. URL: http://wokinfo.com/products_tools/specialized/ba/

BIOSIS previews. Clarivate Analytics, updated weekly. URL:
http://wokinfo.com/products_tools/specialized/bp/

SciFinder. Chemical Abstracts Service. Available in a variety of formats and at various prices. Print title:
Chemical abstracts. URL: <http://www.cas.org/products/scifinder>

Web of Science. Clarivate Analytics, updated weekly. Available in a variety of formats and at various prices. Also known as SciSearch. URL: <https://clarivate.com/products/web-of-science/>

A.1 - X.2.b GENERAL CHEMISTRY - HANDBOOKS AND DICTIONARIES (Updated Spring 2018)

CRC handbook of chemistry and physics. Boca Raton, FL: CRC, annual. ISBN. \$229.95.

A.1 - X.7 GENERAL CHEMISTRY - WEB SITES (Updated Spring 2018)

PubChem. National Center for Biotechnology Information and the National Library of Medicine, updated daily. URL: <http://pubchem.ncbi.nlm.nih.gov/>

A.1 GENERAL CHEMISTRY (Updated Spring 2018)

Tro, Nivaldo J. Chemistry: a molecular approach. 4th. Boston, MA: Pearson, 2017. ISBN: 9780134112831. \$301.00.

Vančik, Hrvoj. Basic organic chemistry for the life sciences. New York: Springer, 2014. ISBN: 9783319076041. \$69.99.

A.2 BIOCHEMISTRY (Updated Spring 2018)

Harper's illustrated biochemistry. 31st. New York: McGraw-Hill, 2018. ISBN: 9781259837937. \$89.00.

*Lehninger principles of biochemistry. 7th. New York: W.H. Freeman, 2017. ISBN: 9781464126116. \$272.99.

Berg, Jeremy; Gatto, Gregory J.; Tymoczko, John L., et al. Biochemistry. 8th. New York: W. H. Freeman, 2015. ISBN: 9781464126109. \$272.99.

Voet, Donald; Voet, Judith G.; and Pratt, Charlotte W. Fundamentals of biochemistry: life at the molecular level. 5th. Hoboken, New Jersey: Wiley, 2016. ISBN: 9781118918401. \$285.95.

A.3 IMMUNOLOGY (Updated Spring 2018)

Janeway's immunobiology. 9th. New York: Garland Science, Taylor & Francis Group, 2016. ISBN: 9780815345053. \$130.00.

*Middleton's allergy: principles and practice. 8th. Philadelphia, PA: Saunders, 2014. ISBN: 9780323085939. \$379.00.

Middleton's allergy essentials. Philadelphia, PA: Elsevier, 2017. ISBN: 9780323375795. \$120.00.

Roitt's essential immunology. 13th. Hoboken, NJ: John Wiley & Sons, 2017. ISBN: 9781118415771. \$75.00.

Centers for Disease Control and Prevention; Atkinson, William; Wolfe, S. , et al., Epidemiology and prevention of vaccine-preventable diseases: the pink book. 13th. Washington, D.C.: Public Health Foundation, 2015. ISBN: 9780017066084. \$40.00. Free online: <http://www.cdc.gov/vaccines/pubs/pinkbook/index.html>. Kindle ed. ASIN: B0054DEWFW.

Centers for Disease Control and Prevention; and Brunette, Gary W., CDC health information for international travel 2018: the yellow book. New York: Oxford University Press, 2017. ISBN: 9780190628611. \$49.00 Free online.

Flaherty, Dennis. Immunology for pharmacy. St. Louis, MO: Elsevier 2012. ISBN: 9780323069472. \$91.95.

*Geha, Raif; and Notarangelo, Luigi. Case studies in immunology: a clinical companion. 7th. New York: Garland Science, Taylor & Francis Group, 2016. ISBN: 9780815345121. \$61.95.

Rose, Noel R.; and Mackay, Ian R. The autoimmune diseases. 5th. San Diego, CA: Academic Press, 2014. ISBN: 9780123849298. \$225.00.

Sunshine, Geoffrey H.; and Coico, Richard. Immunology: a short course. 7th. New York: Wiley-Blackwell, 2015. ISBN: 9781118396919. \$62.95.

A.4.0 - X.4.0 MICROBIOLOGY-METHODOLOGY, STATISTICS AND RESEARCH DESIGN (Updated Fall 2018)

Bacteriological analytical manual online. Center for Food Safety and Applied Nutrition, U.S. Food and Drug Administration, 1998-. URL:
<http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006949.htm>

A.4.0 MICROBIOLOGY (Updated Fall 2018)

Handbook of antimicrobial therapy. 19th. New Rochelle, NY: Medical Letter, 2011. ISBN: 9780971909380. \$49.00

Harriet Lane handbook of pediatric antimicrobial therapy Philadelphia: Mosby, Elsevier, 2013. ISBN: 9780323087230. \$26.95.

Hugo and Russell's pharmaceutical microbiology. 8th. Hoboken, NJ: John Wiley & Sons, 2011. ISBN: 9781444330632. \$87.95.

*Jawetz, Melnick & Adelberg's medical microbiology. 27th. New York: McGraw-Hill, 2015. ISBN: 9780007182498. \$75.00.

Sherrie medical microbiology. 6th. New York: McGraw-Hill, 2014. ISBN: 9780071818216. \$95.00.

*American Academy of Pediatrics. Committee on Infectious Diseases. Red book: 2015 report of the Committee on Infectious Diseases. 30th. Elk Grove Village, IL: The Academy, 2015. ISBN: 9781581109269. \$149.95.

Davey, Peter. Antimicrobial chemotherapy. 7th. New York: Oxford University Press, 2015. ISBN: 9780199697656. \$75.00.

A.4.a - X.2.b MOLECULAR BIOLOGY AND BIOTECHNOLOGY - HANDBOOKS AND DICTIONARIES (Updated Spring 2018)

Lackie, John M. The dictionary of cell and molecular biology. 5th. Philadelphia, PA: Elsevier, 2013. ISBN: 9780123849311. \$89.95.

A.4.a - X.7 MOLECULAR BIOLOGY AND BIOTECHNOLOGY – WEB SITES (Updated Spring 2018)

National Center for Biotechnology Information. The Center, National Library of Medicine. URL:
<http://www.ncbi.nlm.nih.gov/>

A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY (Updated Spring 2018)

Alberts, Bruce; Johnson, Alexander; Lewis, Julian, et al. Molecular biology of the cell. 6th. NY: W. W. Norton, 2015. ISBN: 9780815344322. \$209.00.

Glick, Bernard R.; and Patten, Cheryl. Molecular biotechnology: principles and applications of recombinant DNA. 5th. Washington, DC: ASM Press, 2017. ISBN: 9781555819361. \$125.00.

Lodish, Harvey F.; Berk, Arnold; and Kaiser, Chris A. Molecular cell biology. 8th. NY: W.H. Freeman, 2016. ISBN: 9781464183393. \$249.99.

Renneberg, Reinhard; Berkling, Viola; and Lorocho, Vanya. Biotechnology for beginners. 2nd. Cambridge, MA: Academic Press, 2017. ISBN: 9780128012246. \$100.00.

B.0 - PHARMACEUTICAL SCIENCES (Updated Fall 2019)

Pandit, Nita K.; and Soltis, Robert P. Introduction to the pharmaceutical sciences: an integrated approach. 2nd. Baltimore: Wolters Kluwer Health/LWW, 2011. ISBN: 9781609130015. \$50.47.

Swarbrick, James. Encyclopedia of pharmaceutical science and technology. 4th. Boca Raton: CRC Press, 2013. ISBN: 9781841848198. \$2295.56.

B.0 - X.6.1.c PHARMACEUTICAL SCIENCES - ONLINE ABSTRACTS AND INDEXES (Updated Fall 2019)

IPA: international pharmaceutical abstracts. Thomson Reuters. Distributed electronically on various vendor platforms. URL:
http://thomsonreuters.com/products_services/science/science_products/a-z/ipa/

B.0 - X.7 PHARMACEUTICAL SCIENCES - WEB SITES (Updated Fall 2019)

American Association of Pharmaceutical Scientists. URL: <http://www.aaps.org>

B.1 - X.1.a MEDICINAL CHEMISTRY – CLASSICS (Updated Spring 2020)

Negwer, Martin. Organic-chemical drugs and their synonyms. 9th. New York: Wiley-VCH, 2007. ISBN: 3527319395. \$3502.50; also available as an ebook on Wiley.

B.1 - X.4.0 MEDICINAL CHEMISTRY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN (Updated Spring 2020)

Profiles of drug substances, excipients, and related methodology. Boston: Elsevier Academic, annual. ISBN: Vol. 45 (2020), \$245.00, Vol. 44-37, \$245. Vols. 36-33, \$260, vols. 32-31, \$275, vol. 30, \$260. Previous titles: Analytical profiles of drug substances, v. 1 (1972)-20 (1991); Analytical profiles of drug substances and excipients, v. 21 (1992)-v. 29 (2002).

B.1 - X.7 MEDICINAL CHEMISTRY - WEB SITES (Updated Spring 2020)

European Federation for Medicinal Chemistry. URL: <https://www.efmc.info/>

American Chemical Society (ACS) Division of Medicinal Chemistry. ACS Division of Medicinal Chemistry. URL: <https://acsmedchem.org/>

National Library of Medicine. PubChem [database]. URL: <https://pubchem.ncbi.nlm.nih.gov/>

B.1 MEDICINAL CHEMISTRY (Updated Spring 2020)

*Foye's principles of medicinal chemistry. 8th. Philadelphia: Wolters Kluwer, 2020. ISBN: 9781496385024 \$109.00; also available as an ebook on LWW Health Library.

Wilson and Gisvold's textbook of organic medicinal and pharmaceutical chemistry. 12th. Baltimore: Lippincott Williams & Wilkins, 2011. ISBN: 9780781779296. \$109.99.

Annual reports in medicinal chemistry. Boston: Elsevier Academic Press, annual. ISBN: 2020, vol. 54, \$175.00.

*Burger's medicinal chemistry and drug discovery. 7th. Hoboken, NJ: Wiley, 2010. ISBN: 9780470278154. Vols. 1-8, \$2917.25; also available as an ebook in Credo Reference.

Cairns, Donald. Essentials of pharmaceutical chemistry. 4th. London, England: Pharmaceutical Press, 2012. ISBN: 9780853699798. \$66.00; also available as an ebook.

Harrold, Marc W.; and Zavod, Robin M. Basic concepts in medicinal chemistry. 2nd. Bethesda, MD: American Society of Health-System Pharmacists, 2018. ISBN: 9781585286010. \$63.00; also available as an ebook.

Lemke, Thomas L. Review of organic functional groups: introduction to medicinal organic chemistry. 5th. Philadelphia: Wolters Kluwer, 2012. ISBN: 9781608310166. \$69.95; also available as an ebook on LWW Health Library.

Patrick, Graham L. An introduction to medicinal chemistry. 6th. New York: Oxford University, 2017. ISBN: 9780198749691. \$64.95.

B.2 - X.1.0 PHARMACOGNOSY AND NATURAL PRODUCTS – HISTORY (Updated Spring 2020)

Duke's handbook of medicinal plants of the Bible. Boca Raton, FL: CRC Press, 2007. ISBN: 9780849382024. \$145.00; also available as an ebook.

B.2 - X.1.a PHARMACOGNOSY AND NATURAL PRODUCTS – CLASSICS (Updated Spring 2020)

Total synthesis of natural products. New York: Wiley, 1973-1999. ISBN: Vol. 1-11, \$3935.00.

Weiss's herbal medicine: Classic edition. New York: Thieme, 2001. ISBN: 9781588900692 \$100.00 o.p.

Cupp, Melanie J.; and Tracy, Timothy S. Dietary supplements: toxicology and clinical pharmacology. Totowa, NJ: Humana, 2003. ISBN: 9781588290144. \$179.00; also available as an ebook.

Duke, James A. Herbs of the Bible: 2000 years of plant medicine. 2nd. Warsaw, IN: Whitman Publications, 2007. ISBN: 9781885653161. \$151.00 o.p.

Dymock, William; Warden, C. J. H.; and Hooper, David. Pharmacographia indica: a history of principal drugs of vegetable origin. New Delhi, India: Low Price Publications, 1995. ISBN: 9788186142639. \$200.00 (set). o.p.; also available as an ebook on Google Books.

Huang, Kee Chang; and Williams, Michael W. The pharmacology of Chinese herbs. 2nd. Boca Raton, FL: CRC Press, 1999. ISBN: 9780849316654. \$300.00.

Kayne, Steven. Homeopathic pharmacy: an introduction and handbook. 2nd. New York: Churchill Livingstone, 2006. ISBN: 9780443101601. \$87.95 o.p.; also available as an ebook.

Nigg, Herbert N. Phytochemical resources for medicine and agriculture. New York: Springer-Verlag, 2013. ISBN: 9781489925862. \$219.00; also available as an ebook.

Rotblatt, Michael; and Ziment, Irwin. Evidence-based herbal medicine. Philadelphia: Hanley & Belfus, 2002. ISBN: 9781560534471. o.p.

Tsumura, Akira. Kampo: how the Japanese updated traditional herbal medicine. New York: Japan Publications, 1991. ISBN: 9780870407925. \$29.95. o.p.

Von Reis, Siri; and Lipp Jr., Frank J. New plant sources for drugs and foods from the New York Botanical Garden herbarium. Cambridge, MA: Harvard, 1982. ISBN: 9780674617650. \$86.50.

Weiss, Rudolf F.; and Fintelmann, Volker. Herbal medicine. 2nd rev. Stuttgart, Germany: Thieme Medical Publishers, Inc., 2000. ISBN: 9780865779709. \$79.99.

B.2 - X.2.b PHARMACOGNOSY AND NATURAL PRODUCTS - HANDBOOKS AND DICTIONARIES (Updated Spring 2020)

*Leung's encyclopedia of common natural ingredients used in food, drugs, and cosmetics. 3rd. New York: Wiley, 2010. ISBN: 9780471467434. \$175.75; available as an ebook.

Duke, James A.; Bogenschulz-Godwin, Mary Jo; and Duke, Peggy-Ann K. Handbook of medicinal herbs. 2nd. Boca Raton, FL: CRC, 2002. ISBN: 9780849312847. \$355.00; available as an ebook.

Duke, James A.; and Foster, Steven. Field guide to medicinal plants and herbs: of eastern and central North America. 3rd. Boston: Houghton Mifflin Harcourt, 2014. ISBN: 9780547943985. \$21.00.

Eisenbrand, Gerhard; and Tang, Weici. Handbook of Chinese Medicinal Plants: Chemistry, Pharmacology, Toxicology. Weinheim: Wiley-VCH, 2010. ISBN: 9783527322268. \$525.25.

Mills, Edward; Dugoua, Jean-Jacques; Perri, Dan, et al. Herbal medicines in pregnancy and lactation: an evidence-based approach. London: Taylor & Francis, 2006. ISBN: 9780415373920. \$45.00; also available as an ebook.

Ross, Ivan A. Medicinal plants of the world: chemical constituents, traditional and modern medicinal uses. 2nd. Totowa, NJ: Humana, 2003-2005. ISBN: 9781588292810 (vol. 1); 9780896038776 (vol. 2); 9781588291295, (vol. 3). Vol. 1-3, \$249.00 each; also available as an ebook.

Wichtl, Max. Herbal drugs and phytopharmaceuticals: a handbook for practice on a scientific basis. 3rd rev. Boca Raton, FL: CRC Press, 2004. ISBN: 9780849319617. \$355.00.

**B.2 - X.2.b PHARMACOGNOSY AND NATURAL PRODUCTS - HANDBOOKS AND DICTIONARIES
– CLASSICS** (Updated Spring 2020)

Tyler's honest herbal: a sensible guide to the use of herbs and related remedies. 4th. New York: Routledge, 1999. ISBN: 9780789007056. \$58.95; available as an ebook.

**B.2 - X.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS,
AND RESEARCH DESIGN** (Updated Spring 2020)

Upton, Roy; Graff, Alison; Jolliffe, Georgina, et al. American Herbal Pharmacopoeia: Botanical Pharmacognosy - Microscopic Characterization of Botanical Medicines. Boca Raton: CRC Press, 2011. ISBN: 9781420073263. \$85.00; also available as an ebook.

**B.2 - X.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS,
AND RESEARCH DESIGN – CLASSICS** (Updated Spring 2020)

Wagner, Hildebert H.; and Blatt, Sabine. Plant drug analysis: a thin layer chromatography atlas. 2nd. New York: Springer, 1996. ISBN: 9783642005732. \$339.00.

B.2 - X.7 PHARMACOGNOSY AND NATURAL PRODUCTS - WEB SITES (Updated Spring 2020)

American Botanical Council. Includes online Commission E monographs, Herbalgram, ABC Clinical Guide. URL: <http://abc.herbalgram.org/>

American Society of Pharmacognosy. The Society. URL: <http://www.pharmacognosy.us>

MedlinePlus. Herbs and supplements. National Library of Medicine. URL: http://www.nlm.nih.gov/medlineplus/druginfo/herb_All.html

National Institutes of Health. Office of Dietary Supplements. NIH. URL: <http://ods.od.nih.gov>

United States Pharmacopeial Convention. USP verification services. United States Pharmacopeial Convention. URL: <http://www.usp.org/USPVerified/>

B.2 PHARMACOGNOSY AND NATURAL PRODUCTS (Updated Spring 2020)

*Trease and Evans' pharmacognosy. 16th. Edinburgh, Scotland: Saunders, 2009. ISBN: 9780702029332. \$129.00; also available as an ebook

*Tyler's herbs of choice: the therapeutic use of phytomedicinals. 3rd Boca Raton: CRC Press, 2009. ISBN: 0789028093. \$155.00; also available as an ebook.

Badal, Simone. Pharmacognosy: Fundamentals, applications and strategies. London: Elsevier Academic Press, 2017. ISBN: 9780128021040. \$150.00; also available as an ebook.

Colegate, Steven M.; and Molyneux, Russell J. Bioactive natural products: detection, isolation, and structural determination. Boca Raton, FL: CRC, 2007. ISBN: 9780849372582. \$215.00; also available as an ebook.

Dermarderosian, Ara; and Beutler, John A. Review of natural products. 8th. St. Louis: Facts & Comparisons, 2014. ISBN: \$102.95.

Hanson, Bryan. Understanding medicinal plants: their chemistry and therapeutic action. New York: Routledge, 2005. ISBN: 9780789015518. \$215.00; also available as an ebook.

Heinrich, Michael; Barnes, Joanne; and Prieto-Garcia, Jose. Fundamentals of pharmacognosy and phytotherapy. 3rd. London: Elsevier, 2019. ISBN: 9780702070082. \$59.99; also available as an ebook.

Houghton, Peter; and Mukherjee, Pulok K. Evaluation of herbal medicinal products: Perspectives on quality, safety and efficacy. London: Pharmaceutical Press, 2009. ISBN: 9780853697510. \$230.00; also available as an ebook.

Hume, Anne; and Orr, Kathleen K. Principles and Practice of Botanicals as an Integrative Therapy (Clinical Pharmacognosy Series). Boca Raton, FL.: CRC Press, 2019. ISBN: 9781498771146. \$219.95; also available as an ebook.

Lam, Francis Y. W.; Huang, Shiew Mei; and Hall, Stephen D. Herbal Supplements – Drug Interactions: Scientific and Regulatory Perspectives. New York: Taylor and Francis, 2006. ISBN: 9780824725389. \$190.00; also available as an ebook.

Mukherjee, Pulok K. Evidence-based validation of herbal medicine. Amsterdam: Elsevier, 2015. ISBN: 9780128008744. \$225.00; also available as an ebook.

Natural Standard. Herb & supplement guide: evidence based reference. St. Louis: Mosby, 2010. ISBN: 9780323072953. \$93.95; also available as an ebook

Tracy, Timothy S.; and Kingston, Richard L. Herbal Products Toxicology and Clinical Pharmacology. 2nd. Totowa, New Jersey: Humana Press, 2007. ISBN: 9781588293138 \$249.00; also available as an ebook.

B.3.0 - X.1a PHARMACEUTICS – CLASSICS (Updated Spring 2020)

Augsburger, Larry L.; and Hoag, Stephen W. Pharmaceutical dosage forms: tablets. 3rd. New York: Informa Healthcare, 2008. ISBN: 9781420063455. Vol. 1-3, \$549.95; also available as an ebook.

Florence, Alexander T.; and Siepmann, Jurgen. Modern Pharmaceutics. 5th. New York: Informa Healthcare, 2009. ISBN: 9781420065701. Vol. 1-2, \$320.00; also available as an ebook.

B.3.0 - X.7 PHARMACEUTICS - WEB SITES (Updated Spring 2020)

Alliance for Pharmacy Compounding [formerly International Academy of Compounding Pharmacists]. URL: <https://www.a4pc.org/>

American Association of Pharmaceutical Scientists. URL: <https://www.aaps.org>

*Approved drug products with therapeutic equivalence evaluations (Orange book). U.S. Food and Drug Administration. URL: <https://www.fda.gov/drugs/drug-approvals-and-databases/approved-drug-products-therapeutic-equivalence-evaluations-orange-book>

Inactive ingredient search for approved drug products. U.S. Food and Drug Administration. URL: <https://www.accessdata.fda.gov/scripts/cder/iig/>

Shrewsbury, Robert. Pharmaceutics and compounding laboratory. Eshelman School of Pharmacy, University of North Carolina. URL: <http://pharmlabs.unc.edu/>

B.3.0 PHARMACEUTICS (Updated Spring 2020)

*Ansel's pharmaceutical dosage forms and drug delivery systems. 11th. Philadelphia: Wolters Kluwer, 2018. ISBN: 9781496347282. \$94.99; also available as an ebook on LWW Health Library.

Aulton's pharmaceutics: the design and manufacture of medicines. 5th. Edinburgh, Scotland: Elsevier, 2018. ISBN: 9780702070051. \$81.99; also available as an ebook.

*Martin's physical pharmacy and pharmaceutical sciences: physical chemical and biopharmaceutical principles in the pharmaceutical sciences. 7th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781451191455. \$104.99; available as an ebook on LWW Health Library.

*Trissel's stability of compounded formulations. 6th. Washington, DC: American Pharmacists Association, 2018. ISBN: 9781582122960. \$189.95; available as an ebook on APhA Pharmacy Library.

*Albrecht, Linda S. Understanding pharmacy calculations. 2nd. Washington, DC: American Pharmacists Association, 2012. ISBN: 9781582120959. \$55.95.

*Allen Jr., Loyd V. The art, science and technology of pharmaceutical compounding. 5th. Washington, DC: American Pharmacists Association, 2016. ISBN: 9781582122632. \$119.95; available as an ebook on APhA Pharmacy Library.

*Ansel, Howard C. Pharmaceutical calculations. 15th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781496300713. \$97.99.

Brunaugh, Ashlee B.; Smyth, Hugh D.C.; and Williams III, Robert O. Essential pharmaceuticals. Cham: Springer, 2019. ISBN: 9783030317447. \$109.99; available as an ebook.

Demetzos, Costas. Pharmaceutical nanotechnology: fundamentals and practical applications. Auckland, New Zealand: Adis International Limited, 2016. ISBN: 9789811007903. \$84.99; available as an ebook.

Florence, Alexander T.; and Attwood, David. Physicochemical principles of pharmacy: in manufacture, formulation and clinical use. 6th. London: Pharmaceutical Press, 2016. ISBN: 9780857111746. \$79.00; available as an ebook.

Mobley, Cary W.; Amiji, Mansoor; and Cook, Thomas J. Applied physical pharmacy. 3rd. New York: McGraw-Hill, 2019. ISBN: 9780071747509. \$79.00; also available as an ebook on AccessPharmacy.

Rees, Judith A.; Smith, Ian; and Watson, Jennie. Introduction to pharmaceutical calculations. 4th. London: Pharmaceutical Press, 2015. ISBN: 9780857111685. \$48.00; also available as an ebook.

*Rowe, Raymond C.; Sheskey, Paul J.; Cook, Walter G., et al. Handbook of pharmaceutical excipients. 8th. London, England: APhA/Pharmaceutical Press, 2017. ISBN: 9780857112712. \$579.95.

Teixeira, Maria G.; and Zatz, Joel L. Pharmaceutical calculations. 5th. New York: Wiley-Interscience, 2017. ISBN: 9781118978511. \$83.25; available as an ebook.

Tekade, Rakesh K. Drug delivery systems. London: Elsevier Academic Press, 2020. ISBN: 9783030317447. \$200.00; available as an ebook.

B.3.a - X.1.a BIOPHARMACEUTICS AND PHARMACOKINETICS – CLASSICS (Updated Spring 2020)

Testa, Bernard; and Jenner, Peter. Drug metabolism: chemical and biochemical aspects. Ann Arbor: Books on Demand, UMI, 1976. ISBN: 9780824763718. \$160.60. o.p.

B.3.a - X.4.0 BIOPHARMACEUTICS AND PHARMACOKINETICS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN (Updated Spring 2020)

De Muth, James. Basic statistics and pharmaceutical statistical applications. 3rd. Boca Raton: CRC Press, 2014. ISBN: 978146659673. \$99.00.

B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS (Updated Spring 2020)

Winter's Basic clinical pharmacokinetics. 6th. Philadelphia: Wolters Kluwer, 2018. ISBN: 9781496346421. \$89.99; also available as an ebook through LWW Health Library

Arnold, Renee J. G. Pharmacoeconomics: from theory to practice. Boca Raton, FL: CRC Press, 2009. ISBN: 9781420084221. \$119.95; also available as an ebook.

De, Arnab. Application of peptide-based prodrug chemistry in drug development. New York, NY: Springer, 2013. ISBN: 9781461448754. \$49.95; also available as an ebook.

Hammarlund-Udenaes, Margareta; De Lange, Elizabeth; and Thorne, Robert. Drug delivery to the brain physiological concepts, methodologies and approaches. London: Springer Verlag, 2013. ISBN: 9781461491040. \$239.00; also available as an ebook.

Jensen, Knud. Peptide and protein design for biopharmaceutical applications. Oxford, England: Wiley-Blackwell, 2009. ISBN: 9780470319611. \$155.00; also available as an ebook.

Kisor, David F.; Kane, Michael D.; Sprague, Jon E., et al. Pharmacogenetics, kinetics, and dynamics for personalized medicine. Burlington, MA: Jones & Bartlett Learning, 2014. ISBN: 9781449633936. \$87.95.

Macheras, Panos; and Iliadis, Athanassios. Modeling in biopharmaceutics, pharmacokinetics, and pharmacodynamics: homogeneous and heterogeneous approaches. 2nd. New York: Springer, 2016. ISBN: 9783319275963. \$149.00; also available as an ebook.

*Murphy, John. Clinical Pharmacokinetics. 6th. Bethesda, MD: American Society of Health-System Pharmacists, 2017. ISBN: 9781585285372. \$99.00; also available as an ebook.

*Shargel, Leon; and Yu, Andrew. Applied biopharmaceutics and pharmacokinetics. 7th. New York: McGraw-Hill, 2015. ISBN: 9780071830935. \$75.00; also available as an ebook on AccessPharmacy.

*Southwood, Robin; Fleming, Virginia; Huckaby, Gary, et al. Concepts of Clinical Pharmacokinetics. 7th. Bethesda, MD: American Society of Health-System Pharmacists, 2018. ISBN: 9781585285914. \$110.00; also available as an ebook.

Vinks, Alexander. Fundamentals of antimicrobial pharmacokinetics and pharmacodynamics. New York: Springer, 2014. ISBN: 9780387756127. \$219.99; also available as an ebook.

B.4.0 - X.1.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT – HISTORY (Updated Spring 2019)

Cordes, Eugene H. Hallelujah moments: tales of drug discovery. Oxford: Oxford University Press, 2014. ISBN: 9780199337149. \$34.95; also available as ebook.

Ravina, Enrique. The evolution of drug discovery: from traditional medicines to modern drugs. Weinheim: Wiley-VCH, 2011. ISBN: 9783527326693. \$93.00.

Sneider, Walter. Drug discovery: a history. New York: Wiley, 2005. ISBN: 9780471899808. \$95.00; also available as ebook.

B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT (Updated Spring 2019)

*Smith and Williams' introduction to the principles of drug design and action. 4th. Boca Raton, FL: CRC Press, 2005. ISBN: 9780415288774. \$145.00; also available as ebook.

Blass, Benjamin. Basic principles of drug discovery and development. Amsterdam: Elsevier Academic Press, 2015. ISBN: 9780124115088. \$99.95; also available as ebook.

Dunn, Ian S. Searching for molecular solutions: empirical discovery and its future. Hoboken, N.J.: Wiley, 2010. ISBN: 9780470146828. \$149.00; also available as ebook.

Holmgren, Eric B. Theory of drug development. Boca Raton: CRC Press/Taylor & Francis Group, 2014. ISBN: 9781466507463. \$105.00; also available as ebook.

Krogsgaard-Larsen, Povl; Strømgaard, Kristian; and Madsen, Ulf. Textbook of drug design and discovery. 5th. Boca Raton: CRC Press, 2016. ISBN: 978198702782. \$110.00; also available as ebook.

Li, Jie Jack; and Corey, E.J. Drug discovery: practices, processes, and perspectives. Hoboken, NJ: Wiley, 2013. ISBN: 9780470942352. \$133.00; also available as ebook.

Lin, Guo-Qiang; You, Qi-Dong; and Cheng, Jie-Fei. Chiral drugs: chemistry and biological action. Hoboken, NJ: Wiley, 2011. ISBN: 9780470587201. \$170.95; also available as ebook.

Ng, Rick. Drugs: from discovery to approval. 3rd. Hoboken, NJ: Wiley-Blackwell, 2015. ISBN: 9781118907276. \$99.95; also available as ebook.

Schneider, Gisbert; and Baringhaus, Karl-Heinz. Molecular design: concepts and applications. Weinheim: Wiley-VCH, 2008. ISBN: 9783527314324. \$85.00.

Smith, Dennis A.; Allerton, Charlotte; Kalgutkar, Amit S., et al. Pharmacokinetics and metabolism in drug design. 3rd. New York: Wiley, 2012. ISBN: 9783527329540. \$155.00; also available as ebook.

Wu-Pong, Susanna; Rojanasakul, Yongyut. Biopharmaceutical drug design and development. 2nd. Totowa, NJ: Humana, 2008. ISBN: 9781588297167. \$219.99; also available as ebook

B.5.0 - X.1.a INDUSTRIAL – CLASSICS (Updated Spring 2019)

Edwards, Lionel D.; Fox, Anthony W.; and Stonier, Peter D. Principles and practice of pharmaceutical medicine. 3rd. Hoboken, NJ Wiley-Blackwell, 2010. ISBN: 9781405194723. \$360.00.

Lachman, Leon; Lieberman, Herbert A.; and Kanig, Joseph L. The theory and practice of industrial pharmacy. 3rd. Philadelphia: Lea & Febiger, 1986. ISBN: 9780812109771 o.p.

B.5.0 - X.4.a INDUSTRIAL - QUALITY ASSURANCE (Updated Spring 2019)

Food and Drug Administration. Current good manufacturing practice (CGMP) regulations. 2015. URL: <https://www.fda.gov/drugs/pharmaceutical-quality-resources/current-good-manufacturing-practice-cgmp-regulations>

B.5.0 - X.5 INDUSTRIAL – DIRECTORIES (Updated Spring 2019)

Digital PMD: Pharmaceutical marketers directory. New York: PMD/Haymarket Media, annual. ISBN: \$448.00 (2019).

B.5.0 - X.7 INDUSTRIAL - WEB SITES (Updated Spring 2019)

International Society for Pharmaceutical Engineering. ISPE, 1997-. URL: <https://www.ispe.org>

Nipte. National Institute for Pharmaceutical Technology & Education. NIPTE. URL: <https://nipte.org/>

Pharmaceutical Research and Manufacturers of America. Pharmaceutical Research and Manufacturers of America. PhRMA. URL: <https://www.phrma.org/>

Pharmahub. Engineering Virtual Organization for Pharmaceutical Engineering and Science. pharmaHUB. URL: <https://pharmahub.org>

B.5.0 INDUSTRIAL (Updated Spring 2019)

*Bunn, Graham P. Good manufacturing practices for pharmaceuticals. 7th. Boca Raton, FL: CRC Press, 2019. ISBN: 9781498732062. \$189.95.

Ding, Min; Eliasberg, Jehoshua; and Stremersch, Stefan. Innovation and marketing in the pharmaceutical industry. New York: Springer, 2014. ISBN: 9781461478003. \$179.00.

B.6.0 - X.2.b COSMETICS - HANDBOOKS AND DICTIONARIES (Updated Spring 2018)

International cosmetic ingredient dictionary and handbook. 16th. Washington, DC: The Personal Care Products Council 2015. ISBN: 9781882621552. \$1,390.00 (5 v. set).

Milady's skin care and cosmetic ingredients dictionary. 4th. Clifton Park, NY: Milady, 2015. ISBN: 9781285060798. \$57.95.

B.6.0 COSMETICS (Updated Spring 2018)

Harry's cosmeticology. 9th. Revere, MA: Chemical Publishing, 2015. ISBN: 9780820601809 (3 v. set). \$950.00.

*Baumann, Leslie. Cosmeceuticals and cosmetic ingredients. New York: McGraw-Hill, 2014. ISBN: 9780071793988. \$176.00.

*Paye, Marc; Barel, Andre O.; and Maibach, Howard I. Handbook of cosmetic science and technology. 4th. Boca Raton, FL: CRC Press, 2014. ISBN: 9781842145647. \$210.00.

Sivamani, Raja K.; Jagdeo, Jared; Elsner, Peter, et al. Cosmeceuticals and active cosmetics drugs versus cosmetics. 3rd. Boca Raton: CRC Press, 2015. ISBN: 9781482214161. \$210.00.

B.7.0 - X.2.b NUCLEAR AND RADIOPHARMACY - HANDBOOKS AND DICTIONARIES (Updated Spring 2018)

Welch, Michael J.; and Redvanly, Carol S. Handbook of radiopharmaceuticals. New York: Wiley, 2002. ISBN: 0471495603. \$504.00. Also available as eBook: \$403.99.

B.7.0 NUCLEAR AND RADIOPHARMACY (Updated Spring 2018)

*Sampson's textbook of radiopharmacy. 4th. London: Pharmaceutical Press, 2011. ISBN: 9780853697893. \$130.00.

Cole, Clyde N.; Shaw, Stanley M.; and Kowalsky, Richard J. Nuclear pharmacy quick reference. Washington, DC: American Pharmacists Association, 2012. ISBN: 9781582121512. \$32.95.

Gilmore, David; and Waterstram-Rich, Kristen M. Nuclear medicine and PET/CT: technology and techniques. 8th. St. Louis: Mosby/Elsevier, 2017. ISBN: 9780323356220. \$176.00. Also available as eBook: \$141.00.

Kowalsky, Richard J.; and Falen, Stephen. Radiopharmaceuticals in nuclear pharmacy & nuclear medicine. 3rd. Washington, DC: American Pharmacists Association, 2011. ISBN: 9781582121185. \$211.95.

Saha, Gopal B. Basics of PET imaging, physics, chemistry, and regulations. 3rd. New York: Springer, 2016. ISBN: 9780387271286. \$99.99. Also available as eBook: \$84.99.

*Saha, Gopal B. Fundamentals of nuclear pharmacy. 7th. New York, NY: Springer, 2018. ISBN: 9783319575803. \$109.99. Also available as eBook: \$84.99.

Scott, Peter J. H.; and Hockley, Brian G. Radiopharmaceuticals for positron emission tomography. Hoboken, NJ: Wiley, 2011. ISBN: 9780470588956. \$137.00.

B.8.0 - X.1.a PHARMACOLOGY – CLASSICS (Updated Spring 2019)

Cooper, Jack R.; Bloom, Floyd E.; and Roth, Robert H. The biochemical basis of neuropharmacology. 8th. New York: Oxford, 2003. ISBN: 9780195140088. \$24.95, o.p.

*Craig, Charles R.; and Stitzel, Robert E. Modern pharmacology with clinical applications. 6th. Philadelphia: Lippincott Williams & Wilkins, 2003. ISBN: 9780781737623. \$76.99.

B.8.0 - X.7 PHARMACOLOGY - WEB SITES (Updated Spring 2019)

DrugBank – Open Data Drug & Drug Target Database. URL: <http://www.drugbank.ca/>

Clinical pharmacology. Gold Standard. Price dependent on number of student FTEs; price also includes mobile access; price does not include access for adjunct professors or preceptors; eligible for discount through letter of incorporation, contact rep for more information on details of eligibility. URL: <http://www.clinicalpharmacology.com/>

B.8.0 PHARMACOLOGY (Updated Spring 2019)

*Goodman & Gilman's the pharmacological basis of therapeutics. 13th. New York: McGraw-Hill, 2017. ISBN: 9781259584732. \$219.00.

Lehne's Pharmacology for nursing care. 10th. St. Louis: Elsevier, 2019. ISBN: 9780323550086. \$77.56.

Rang & Dale's pharmacology. 9th. New York: Elsevier, 2020. ISBN: 9780702074486. \$74.99.

*Brody's human pharmacology: molecular to clinical. 6th. Philadelphia: Elsevier Mosby, 2019. ISBN: 9780323476522. \$74.99.

Handbook of experimental pharmacology. New York: SpringerLink, 1937-. ISBN: ISSN: 0171-2004. Each vol. in series priced individually, most \$400-500.00.

Foreman, John C.; and Johansen, Torben. Textbook of receptor pharmacology. 3rd. Boca Raton, FL: CRC Press, 2010. ISBN: 9781420052541. \$150.00.

Golan, David E.; Tashjian Jr., Armen H.; Armstrong, Ehrin J., et al. Principles of pharmacology: the pathophysiologic basis of drug therapy. 4th. Baltimore: Wolters Kluwer, 2016. ISBN: 9781451191004 \$92.99.

Hollinger, Manfred A. Introduction to pharmacology. 3rd. Boca Raton, FL: CRC Press, 2007. ISBN: 9781420047417. \$100.00.

*Katzung, Bertram G.; Masters, Susan B.; and Trevor, Anthony J. Basic & clinical pharmacology. 14th. London, England: McGraw-Hill, 2017. ISBN: 9781259641152. \$63.00.

Neal, Michael J. Medical pharmacology at a glance. 8th. Malden, MA: Wiley, 2015. ISBN: 9781118902400. \$45.00.

Stringer, Janet L. Basic concepts in pharmacology: what you need to know for each drug class. 5th. New York: McGraw-Hill, 2017. ISBN: 9781259861079. \$58.00.

Whalen, Karen; Field, Carinda; and Radhakrishnan, Rajan. Lippincott Illustrated Reviews in Pharmacology. 7th. New York: Wolter Kluwer, 2018. ISBN: 9781496384133. \$74.99.

B.8.a.0 - X.2.b TOXICOLOGY - HANDBOOKS AND DICTIONARIES (Updated Spring 2019)

Hayes' handbook of pesticide toxicology. 3rd. San Diego, CA: Elsevier- Academic Press, 2010. ISBN: 9780123743671. \$760.00; also available as ebook.

Sittig's handbook of toxic and hazardous chemicals and carcinogens. 7th. Norwich, NY: William Andrew, 2017. ISBN: 9780323389686. \$695.00; also available as ebook.

Derelanko, Michael J.; and Auletta, Carol. Handbook of toxicology. 3rd. Boca Raton, FL: CRC Press, 2014. ISBN: 9781439890134. \$169.95; also available as ebook.

Hodgson, Ernest; and Roe, Michael. Dictionary of Toxicology. **3rd**. London, England: Academic Press, 2014. ISBN: 9780124201699. \$99.95; also available as ebook.

B.8.a.0 - X.4.0 TOXICOLOGY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN
(Updated Spring 2019)

Xu, Q. Alan; Madden, Timothy L. Analytical methods for therapeutic drug monitoring and toxicology. Hoboken, NJ: John Wiley & Sons, 2011. ISBN: 9780470455616. \$182.00.

B.8.a.0 - X.4.0 TOXICOLOGY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN – CLASSICS (Updated Spring 2019)

Moffat, Anthony C.; Osselton, David M.; Widdop, Brian, et al. Clarke's analysis of drugs and poisons: in pharmaceuticals, body fluids and post-mortem material. 4th. London, England: Pharmaceutical Press, 2011. ISBN: 9780853697114. \$825.00.

B.8.a.0 - X.6.1.0 TOXICOLOGY - ONLINE RESOURCES (Updated Spring 2019)

POISINDEX system. Truven Health Analytics, updated quarterly. Online only; available separately or as part of MICROMEDEX database. URL: <http://www.micromedex.com>

RTECS: Registry of toxic effects of chemical substances. BIOVIA. Various providers with multiple pricing options. . URL: <http://www.3dsbiovia.com/products/collaborative-science/databases/bioactivity-databases/rtecs.html>

B.8.a.0 - X.7 TOXICOLOGY - WEB SITES (Updated Spring 2019)

NIOSH Pocket Guide to Chemical Hazards. National Institute for Occupational Safety and Health (NIOSH) Education and Information Division. URL: <http://www.cdc.gov/niosh/npg/>

Toxic Substances Portal. ATSDR: Agency for Toxic Substances & Disease Registry URL: <http://www.atsdr.cdc.gov/substances/index.asp>

*TOXNET: toxicology data network. U.S. National Library of Medicine. URL:
<http://toxnet.nlm.nih.gov/>

B.8.a.0 TOXICOLOGY (Updated Spring 2019)

*Goldfrank's toxicologic emergencies. 11th. New York: McGraw-Hill Professional, 2019. ISBN: 9781259859618. \$275.00.

Hayes principles and methods of toxicology. 6th. Boca Raton, FL: CRC Press, 2014. ISBN: 9781842145364. \$182.00; also available as ebook.

Lu's basic toxicology: Fundamentals, target organs, and risk assessment. 7th. Boca Raton, FL: CRC Press, 2018. ISBN: 9781315391694. \$125.00; also available in various formats.

Barceloux, Donald G. Medical toxicology of natural substances: food, fungi, medicinal herbs, plants and venomous animals. Hoboken, NJ: John Wiley & Sons, 2008. ISBN: 9780471727613. \$247.00.

Baselt, Randall C. Disposition of toxic drugs and chemicals in man. 11th. Seal Beach, CA: Biomedical Publications, 2017. ISBN: 9780692774991 \$349.50.

Daragan, Paul I.; and Wood, David M. Novel psychoactive substances: classification, pharmacology and toxicology. London, England: Academic Press; 2013.

*Klaassen, Curtis D. Casarett and Doull's toxicology: the basic science of poisons. 9th. New York: McGraw-Hill 2019. ISBN: 9781259863745. \$175.00; also available as ebook.

Marcus, Steven M. Medical toxicology: antidotes and anecdotes. Switzerland: Springer, 2017. ISBN: 9783319510293. \$29.99; also available as ebook.

Mercurio, Steven D. Understanding toxicology: a biological approach. Burlington, MA: Jones & Bartlett Learning, 2017. ISBN: 9781284126525. \$94.95; also available as ebook.

*Olson, Kent R.; Anderson, Ilene; Benowitz, Neal, et al. Poisoning and drug overdose. 7th. New York: McGraw-Hill Professional, 2018. ISBN: 9780071839792. \$94.95; also available as ebook.

Pelkonen, Olavi; Duez, Pierre; Vuorela, Pia Maarit, et al. Toxicology of herbal products. Switzerland: Springer, 2017. ISBN: 9783319438061. \$219.99; also available as ebook.

Stine, Karen E.; and Brown, Thomas M. Principles of toxicology. 3rd. Boca Raton, FL: CRS Press, 2014. ISBN: 9781466503434. \$96.95; also available as ebook.

Wilhelm, Klaus-Peter; Zhai, Hongbo; and Maibach, Howard I. Dermatotoxicology. 8th. Boca Raton, FL: Informa Healthcare, 2012. ISBN: 9781841848556. \$279.95.

B.8.a.0 TOXICOLOGY – CLASSICS (Updated Spring 2019)

Patty's industrial hygiene. 6th. Hoboken, NJ: John Wiley & Sons, 2010. ISBN: 9780470074886. \$905.00 4-volume set.

Patty's toxicology. 6th. Hoboken, NJ: John Wiley & Sons, 2012. ISBN: 9780470410813. \$2780.00. (6 volume set)

Sax's dangerous properties of industrial materials. 12th. Hoboken: Wiley-Interscience, 2012. ISBN: 9780470623251. \$715.00; also available online and on CD-ROM.

Duffus, John H.; and Worth, G.J. Fundamental toxicology. London: Royal Society of Chemistry, 2006. ISBN: 9780854046140. \$64.00.

B.8.a.1 - X.1.a DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS – CLASSICS (Updated Spring 2019)

Davies's textbook of adverse drug reactions. 5th. New York: Hodder Education Publishers, 1999. ISBN: 0412824809. o.p.

B.8.a.1 - X.7 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS - WEB SITES (Updated Spring 2019)

Database of Antiretroviral Drug Interactions. Center for HIV Information, University of California, San Francisco. URL: <http://hivinsite.ucsf.edu/interactions>

*Drugs and Lactation Database (LactMed). National Library of Medicine URL: <http://toxnet.nlm.nih.gov/newtoxnet/lactmed.htm>

Livertox: Clinical and Research Information on Drug-Induced Liver Injury. National Library of Medicine and National Institute of Diabetes and digestive and Kidney Diseases. URL: <http://livertox.nih.gov/>

SIDER (Side Effects Resource) Database. European Molecular Biology Laboratory Free. URL: <http://sideeffects.embl.de>

Crediblemeds. QT drug lists by risk groups. Arizona CERT (Center for Education and Research on Therapeutics). URL: <http://crediblemeds.org>

Foucher, Pascal; and Camus, Philippe. The Drug-Induced Respiratory Disease Website. Department of Pulmonary Diseases and Intensive Care Unit, University Hospital, Dijon, France. URL: <http://www.pneumotox.com/>

B.8.a.1 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS (Updated Spring 2019)

Barile's clinical toxicology: principles and mechanisms. 3rd. New York: Taylor and Francis, 2019. ISBN: 9781498765305. \$169.95; also available as ebook.

Litt's drug eruption and reaction manual. 25th. Boca Raton, FL: CRC Press, 2019. ISBN: 9780367030650. \$395.02; also available as ebook.

*Meyler's side effects of drugs: the international encyclopedia of adverse drug reactions and interactions. 16th. Amsterdam, Netherlands: Elsevier Science, 2015. ISBN: 9780444537171. \$2500.00; also available as ebook.

*Stockley's drug interactions. 12th. London, England: Pharmaceutical Press, 2019. ISBN: 9780857113474. \$331.00; also available as ebook.

*Aronson, Jeffrey K. Side effects of drugs annual: a worldwide yearly survey of new data and trends in adverse drug reactions. Amsterdam, Netherlands: Elsevier Science, annual. ISBN: vol 41 (2019) \$343.00.

Dicato, Mario; and Van Cutsem, Eric. Side effects of medical cancer therapy: prevention and treatment. 2nd. Cham, Switzerland: Springer, 2018. ISBN: 9783319702537. \$199.00; also available as ebook.

Goldberg, Joseph F.; and Ernst, Carrie L. Managing the side effects of psychotropic medications. 2nd. Washington, D.C.: American Psychiatric Association, 2019. ISBN: 9781615372034. \$75.00; also available as ebook.

Pai, Manjunath P.; Kiser, Jennifer J.; Gubbins, Paul O., et al. Drug interactions in infectious diseases: antimicrobial drug interactions. 4th. Cham, Switzerland: Humana, 2018. ISBN: 9783319724164. \$199.00; also available as ebook.

Pai, Manjunath P.; Kiser, Jennifer J.; Gubbins, Paul O., et al. Drug interactions in infectious diseases: mechanisms and models of drug interactions. 4th. Cham, Switzerland: Humana, 2018. ISBN: 9783319724225. \$125.00; also available as ebook.

Pronsky, Zaneta M. Food-medication interactions. 18th. Birchrunville, PA: Food-Medication Interactions, 2018. ISBN: 9780971089662. \$34.51, o.p.

Tatro, David S. Drug interaction facts: the authority on drug interactions. Saint Louis, MO: Wolters Kluwer Health, 2014. ISBN: 9781574393637. \$299.00, o.p.

Tisdale, James E.; and Miller, Douglas A. Drug-induced diseases: prevention, detection, and management. 3rd. Bethesda: American Society of Health-System Pharmacists, 2018. ISBN: 9781585285303. \$225.00; also available as ebook.

B.8.a.1 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS – CLASSICS

(Updated Spring 2019)

Drug interactions analysis and management. 9th. Philadelphia: Lippincott Williams & Wilkins, 2014. ISBN: 9781574393644. \$44.95. o.p.

Shepard, Thomas H.; and Lemire, Ronald J. Catalog of teratogenic agents. 13th. Baltimore: Johns Hopkins University, 2011. ISBN: 9780801897849. \$285.00.

B.8.b - X.2.b VETERINARY PHARMACOLOGY - HANDBOOKS AND DICTIONARIES (Updated Spring 2018)

Plumb's veterinary drug handbook. 9th. New York: Wiley-Blackwell, 2018. ISBN: 9781118911921. \$89.95.

Saunders handbook of veterinary drugs: small and large animal. 4th. Philadelphia: Elsevier Saunders 2015. ISBN: 9780323244855. \$83.95.

Hsu, Walter H. Handbook of veterinary pharmacology. 2nd. Seoul, South Korea: Shinil Books Company, 2013. ISBN: 9791195064328. \$60.00.

B.8.b VETERINARY PHARMACOLOGY (Updated Spring 2018)

*Merck veterinary manual. 11th. Rahway, NJ: Merck, 2016. ISBN: 9780911910612. \$65.00 an electronic version of this reference is free at <https://www.merckvetmanual.com/>.

Bill, Robert. Clinical pharmacology and therapeutics for the veterinary technician. 4th. St. Louis: Mosby Elsevier, 2016. ISBN: 0323086790. \$72.95.

Bill, Robert. Medical mathematics and dosage calculations for veterinary professionals. 2nd. Ames, IA: Wiley-Blackwell, 2009. ISBN: 0813823633. \$49.99.

Maddison, Jill E.; Page, Stephen W.; and Church, David B. Small animal clinical pharmacology. 2nd. New York: Elsevier, 2008. ISBN: 0702028588. \$110.00.

Riviere, Jim E.; and Papich, Mark G. Veterinary pharmacology and therapeutics 10th. Ames, IA: Wiley-Blackwell, 2018. ISBN: 1118855829. \$224.99.

Romich, Janet A. Fundamentals of pharmacology for veterinary technicians. 2nd. Clifton Park, NY: Delmar Learning, 2010. ISBN: 1435426009. \$93.95.

Wanamaker, Boyce P.; and Massey, Kathy L. Applied pharmacology for veterinary technicians. 5th. St. Louis: Elsevier Saunders, 2015. ISBN: 0323186629. \$78.95.

**B.9 - X.2.a PHARMACOGENETICS & PHARMACOGENOMICS - HANDBOOKS AND
DICTIONARIES** (Updated Spring 2018)

*Padmanabhan, Sandosh. Handbook of pharmacogenomics and stratified medicine. Philadelphia: Elsevier, 2014. ISBN: 9780123868824. \$250.00.

B.9 PHARMACOGENETICS & PHARMACOGENOMICS (Updated Spring 2018)

Altman, Russ B.; Flockhart, David; and Goldstein, David, B. Principles of pharmacogenetics and pharmacogenomics. Cambridge, England: Cambridge University Press, 2012. ISBN: 9780521885379. \$113.00.

*Bertino, Joseph S., Jr.; Kashuba, Angela D. M.; Ma, Joseph D., et al. Pharmacogenomics: an introduction and clinical perspective. New York: McGraw-Hill Companies, 2013. ISBN: 9780071741699. \$68.00.

Johnson, Julie A.; Ellingrod, Vicki L.; Kroetz, Deanna L., et al. Pharmacogenomics: applications to patient care. Lenexa, KS: American College of Clinical Pharmacy, 2015. ISBN: 9781939862099. \$122.95.

Lam, Francis Y. W.; and Cavallari, Larisa H. Pharmacogenomics: challenges and opportunities in therapeutic implementation. New York: Elsevier, 2013. ISBN: 9780123919182. \$99.95.

Maitland-Van Der Zee, Anke-Hilse; and Daly, Ann K. Pharmacogenetics and individualized therapy. Hoboken, NJ: Wiley-Blackwell, 2012. ISBN: 9780470433546. \$123.00.

Rosenberg, Leon E.; and Rosenberg, Diane D. Human genes and genomes: science, health, society. Philadelphia: Elsevier, 2012. ISBN: 9780123852120. \$99.95.

Yao, Yihong; Jallal, Bahija; and Ranade, Koustubh. Genomic biomarkers for pharmaceutical development: advancing personalized health care. Philadelphia: Elsevier, 2014. ISBN: 9780123973368. \$99.95.

Zdanowicz, Martin M. Concepts in pharmacogenomics. 2nd. Bethesda, MD: American Society of Health-System Pharmacists, 2017. ISBN: 9781585285167. \$80.00.

**C.0 - X.2.b MEDICAL SCIENCES (SCIENCES BASIC TO MEDICINE) - HANDBOOKS AND
DICTIONARIES** (Updated Fall 2018)

*Jablonski's dictionary of medical acronyms & abbreviations. 7th. Philadelphia: Saunders, 2015. ISBN: 9780323340205. \$34.95.

*Dorland's illustrated medical dictionary. 32nd. Philadelphia: Saunders, 2011. ISBN: 9781416062578. \$39.71.

Stedman's medical dictionary. 29th. Philadelphia: Lippincott Williams & Wilkins, 2013. ISBN: 9781451176551. \$50.95; also available as an e-book.

C.0 - X.6.1.c MEDICAL SCIENCES (SCIENCES BASIC TO MEDICINE) - ONLINE ABSTRACTS AND INDEXES (Updated Fall 2018)

AMED: allied & complementary medicine database. Health Care Information Service of the British Library, updated monthly. Available in a variety of formats and at various prices. URL: <http://www.ebscohost.com/ACADEMIC/amed>

CINAHL. CINAHL Information Systems. Available online in four versions through EBSCOhost. URL: <http://www.ebscohost.com/cinahl>

EMBASE. Elsevier. Available online at various prices. URL: <http://www.embase.com>

Google Scholar. Google. URL: <http://scholar.google.com/> Free

*MEDLINE. U.S. National Library of Medicine. Available in a variety of formats and at various prices. URL: <http://www.nlm.nih.gov/pubs/factsheets/medline.html>

*PubMed. U.S. National Library of Medicine. Free. URL: <http://www.ncbi.nlm.nih.gov/pubmed/>

C.1 ANATOMY AND PHYSIOLOGY (Updated Fall 2018)

*Gray's anatomy: the anatomical basis of clinical practice. 41st. Philadelphia: Elsevier, 2015. ISBN: 9780702052309. \$228.95.

Gilroy, Anne M.; Macpherson, Brian R.; and Ross, Lawrence M. Atlas of anatomy. 3rd. New York: Thieme, 2016. ISBN: 9781626232525. \$79.99.

*Guyton, Arthur C.; and Hall, John E. Textbook of medical physiology. 13th. Philadelphia: Elsevier Science, 2015. ISBN: 9781455770052. \$125.00. Also available as e-book.

Martini, Frederic; Tallitsch, Robert; and Nath, Judi. Human Anatomy. 9th. New York: Pearson, 2018. ISBN: 9780134320762. \$273.8.

Moore, Keith L.; Agur, Anne M.R.; and Dalley Ii, Arthur F. Essential clinical anatomy. 5th. Baltimore: Lippincott Williams & Wilkins, 2014 ISBN: 9781451187496. \$70.99.

Netter, Frank H. Atlas of human anatomy. 6th. Philadelphia: Elsevier, 2014. ISBN: 9781455704187. \$80.95; also available as eBook.

Silverthorn, Dee U. Human physiology: an integrated approach. 8th. New York: Pearson, 2018. ISBN: 9780134605197. \$232.6.

Tortora, Gerard J.; and Derrickson, Bryan H. Principles of anatomy & physiology. 15th. Singapore: Wiley, 2017. ISBN: 9781119400066. \$90.86.

D.0 - X.7 CLINICAL SCIENCES - WEB SITES (Updated Fall 2020)

ClinicalTrials.gov. U.S. National Institutes of Health. URL: <http://clinicaltrials.gov>

DailyMed. National Library of Medicine. URL: <http://dailymed.nlm.nih.gov/dailymed/index.cfm> Free

Drug Shortages. American Society of Health-Systems Pharmacists, 2018. URL: <https://www.ashp.org/Drug-Shortages>

Drugs @ FDA. US Food and Drug Administration. URL: <http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm> Free

European Medicines Agency. European Medicines Agency. URL: <http://www.ema.europa.eu/ema/> Free

Journal Watch. Massachusetts Medical Society. URL: <http://www.jwatch.org/>

Merck Manual Professional Version. Merck & Co., Inc. Free. URL: <https://www.merckmanuals.com/professional>

PubMed Clinical Queries. National Library of Medicine. URL: <http://www.ncbi.nlm.nih.gov/pubmed/clinical/> Free

Medscape. Medscape, 1996-. URL: <http://www.medscape.com>

D.1 PATHOPHYSIOLOGY (Updated Fall 2020)

Henry's clinical diagnosis and management by laboratory methods. 23rd. St. Louis, MO: Elsevier, 2017. ISBN: 9780323295680. \$195.00.

*Robbins and Cotran pathologic basis of disease. 10th. Philadelphia, PA: Elsevier Saunders, 2020. ISBN: 9780323531139. \$125.00 Ebook available.

Hammer, Gary; and Mcphee, Stephen. Pathophysiology of disease: an introduction to clinical medicine. 8th. New York: McGraw-Hill Education, 2019. ISBN: 9781260026504. \$90.00 Ebook available

*Lee, Mary. Basic skills in interpreting laboratory data. 6th. Bethesda: American Society of Health-System Pharmacists, 2017. ISBN: 9781585285488. \$106.00.

D.2 PATIENT PHYSICAL ASSESSMENT (Updated Fall 2020)

Bates' guide to physical assessment. 13th ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2021. ISBN: 9781496398178. \$135.00; also available as an ebook through STAT!Ref.

Seidel's guide to physical examination. 9th. Philadelphia, PA: Elsevier/Mosby, 2018. ISBN: 9780323481953. \$126.00 Ebook available.

Hardy, Yolanda M. Patient assessment in pharmacy: a culturally competent approach. Burlington (MA): Jones & Bartlett Learning, 2016. ISBN: 9781284025743. \$55.95.

Herrier, Richard; Apgar, David; Boyce, Robert, et al. Patient Assessment in Pharmacy. New York, NY: McGraw-Hill Education, 2015. ISBN: 9780071751940. \$64.00; also available as an ebook through AccessPharmacy.

Jarvis, Carolyn. Physical examination and health assessment. 8th. St. Louis: Elsevier/Saunders, 2020. ISBN: 9780323510806. \$129.00.

*Jones, Rhonda M. Patient assessment in pharmacy practice. 3rd. Philadelphia: Wolters Kluwer, 2015. ISBN: 9781451191653. \$89.99; also available as an ebook through LWW Health Library.

*Swartz, Mark H. Textbook of physical diagnosis: history and examination. 8th. Philadelphia: Elsevier Saunders, 2020. ISBN: 9780323672924. \$110.00.

D.3.0 THERAPEUTICS (Updated Spring 2018)

Braunwald's heart disease: a textbook of cardiovascular medicine. 11th. Philadelphia: Elsevier Saunders, 2018. ISBN: 9780323463423. 2-vol. set, \$279.99

Brenner & Rector's the kidney. 10th. Philadelphia: Elsevier/Saunders, 2015. ISBN: 9781455748365. \$498.99; also available as an ebook.

Campbell-Walsh urology. 11th. Philadelphia: Elsevier/Saunders, 2016. ISBN: 9781455775675. 4-vol. set \$549.99.

Conn's current therapy. Philadelphia: Saunders, annual. ISBN: \$99.99

Fitzpatrick's dermatology in general medicine. 9th. New York: McGraw-Hill, 2019. ISBN: 9780071867798. \$529.00.

*Goldman's Cecil medicine. 25th. Philadelphia: Elsevier/Saunders, 2016. ISBN: 9781455750177. \$199.99

- *Harrison's principles of internal medicine. 20th. New York: McGraw-Hill, 2018. ISBN: 9781259644030. \$249.00.
- *Mandell, Douglas, and Bennett's principles and practice of infectious diseases. 8th. Philadelphia: Elsevier/Saunders, 2015. ISBN: 9781455748013. \$449.00.
- Williams obstetrics. 25th. New York: McGraw-Hill, 2018. ISBN: 9781259644320. \$195.00.
- Aronoff, George R.; Bennett, William M.; Berns, Jeffrey S., et al. Drug prescribing in renal failure: dosing guidelines for adults and children. 5th. Philadelphia: American College of Physicians, 2007. ISBN: 9781930513761. \$56.95.
- *Chisholm-Burns, Marie A.; Schwinghammer, Terry L.; Malone, Patrick M., et al. Pharmacotherapy: principles & practice. 5th. New York: McGraw-Hill Medical, 2019. ISBN: 9781260019445. \$127.00.
- *Dipiro, Joseph; Talbert, Robert L.; Yee, Gary C., et al. Pharmacotherapy: a pathophysiologic approach. 10th. New York: McGraw-Hill, 2016. ISBN: 9780071800532. \$229.00.
- Habif, Thomas P. Clinical dermatology: a color guide to diagnosis and therapy. 6th. Philadelphia, PA: Elsevier/Saunders, 2016. ISBN: 9780323261838. \$189.99.
- *Porter, Robert S. Merck manual of diagnosis and therapy. 20th. Hoboken, NJ: John Wiley & Sons, Inc, 2018. ISBN: 9780911910421. \$79.95.
- Schwinghammer, Terry L.; Koehler, Julia M.; Borchert, Jill S., et al. Pharmacotherapy casebook: a patient-focused approach. 10th. New York: McGraw-Hill, 2016. ISBN: 9781259640919. \$58.00.
- Stone, Keith C.; and Humphries, Roger L. Current diagnosis and treatment emergency medicine. 8th. New York: McGraw-Hill, 2017. ISBN: 9780071840613. \$77.00.
- Warrell, David A.; Cox, Timothy M.; Firth, John D., et al. Oxford textbook of medicine. 5th. New York: Oxford, 2010. ISBN: 9780199204854. 3-vol. set, \$730.00.
- *Zeind, Caroline S.; and Carvalho, Michael G. Applied therapeutics: the clinical use of drugs. 11th. Philadelphia: Lippincott Williams & Wilkins, 2017. ISBN: 9781496318299. \$219.99.

D.3.a - X.2.b GERIATRICS - HANDBOOKS AND DICTIONARIES (Updated Fall 2020)

- Semla, Todd P.; Beizer, Judith L.; and Higbee, Martin D. Geriatric dosage handbook. 21st. Hudson, OH: Lexi-Comp, 2016. ISBN: 9781591953524. \$74.55.

D.3.a - X.7 GERIATRICS - WEB SITES (Updated Fall 2020)

Merck manual for health care professionals: geriatrics. Merck. URL:
www.merckmanuals.com/professional/geriatrics.html

D.3.a GERIATRICS (Updated Fall 2020)

Hazzard's geriatric medicine and gerontology. 7th. New York: McGraw-Hill, 2017. ISBN: 9780071833455. \$163.00.

Hutchison, Lisa C.; and Sleeper, Rebecca B. Fundamentals of geriatric pharmacotherapy 2nd. Bethesda, MD: American Society of Health-System Pharmacists, 2015. ISBN: 9781585284351. \$69.00.

Kane, Robert L.; Ouslander, Joseph G.; Abrass, Itamar B., et al. Essentials of clinical geriatrics. 8th. New York: McGraw-Hill, 2017. ISBN: 9781259860515. \$66.51.

D.3.b NEUROLOGY (Updated Fall 2020)

*Adams & Victor's principles of neurology. 11th. New York: McGraw-Hill, 2019. ISBN: 9780071842617. \$199.00 Ebook available.

Bonica's management of pain. 5th. New York: Wolter Kluwer Medical, 2019. ISBN: 9781496349033. \$319.99 Ebook Available.

Bradley's neurology in clinical practice. 7th. Philadelphia, PA: Elsevier Saunders, 2016. ISBN: 9780323287838. \$499.99 Ebook available.

Merritt's neurology. 13th. Philadelphia: Wolters Kluwer Lippincott Williams & Wilkins, 2016. ISBN: 9781451193367. \$184.99 Ebook available.

*Stahl's essential psychopharmacology: neuroscientific basis and practical applications. 4th. New York: Cambridge University Press, 2013. ISBN: 9781107025981. \$309.00.

Nestler, Eric J.; Kenny, Paul J.; Russo, Scott J, et al. Molecular neuropharmacology: a foundation for clinical neuroscience. 4th. New York: McGraw-Hill Education, 2020. ISBN: 9781260456905. \$99.00.

Waxman, Stephen. Clinical neuroanatomy. 29th. New York: McGraw-Hill Medical, 2020. ISBN: 9781260452358. \$75.00.

D.3.c - X.1.a NUTRITION AND NUTRACEUTICALS – CLASSICS (Updated Spring 2018)

Bowes & Church's food values of portions commonly used. 19th. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9780781781343. \$68.95.

D.3.c - X.7 NUTRITION AND NUTRACEUTICALS - WEB SITES (Updated Spring 2018)

Dietary Supplement Ingredient Database. Nutrient Data Laboratory in collaboration with Office of Dietary Supplements. URL: <http://dietarysupplementdatabase.usda.nih.gov/>

Dietary supplement label database. Office of Dietary Supplements and U. S. National Library of Medicine. Free. URL: <http://www.dsld.nlm.nih.gov/dsld/>

MedlinePlus. Herbs and Supplements. URL:
http://www.nlm.nih.gov/medlineplus/druginfo/herb_All.html

*Natural Medicines. Therapeutic Research Center. Price based on FTEs. URL:
<https://naturalmedicines.therapeuticresearch.com/>

The Office of Dietary Supplements. URL: <http://ods.od.nih.gov/>

PubMed Dietary Supplements Subset. Office of Dietary Supplements and U.S. National Library of Medicine. URL: https://ods.od.nih.gov/Research/PubMed_Dietary_Supplement_Subset.aspx

D.3.c NUTRITION AND NUTRACEUTICALS (Updated Spring 2018)

Krause's food and the nutrition care process. 14th. Philadelphia: Saunders, 2017. ISBN: 9780323340755. \$172.00.

Lutz's nutrition and diet therapy. 7th. Philadelphia F.A. Davis, 2019. ISBN: 9780803668140. \$74.95.

Stockley's herbal medicines interactions: a guide to the interactions of herbal medicines. 2nd. London, England: Pharmaceutical Press, 2013. ISBN: 9780857110268. \$120.00.

Williams' Essentials of nutrition and diet therapy. 11th. St. Louis: Mosby, 2014. ISBN: 9780323185806. \$89.95.

Hark, Lisa; Deen, Darwin; and Morrison, Gail. Medical nutrition and disease: a case-based approach. 5th. Chichester, UK: Wiley-Blackwell, 2014. ISBN: 9781118652435. \$67.00.

Katz, David L.; Friedman, Rachel S.C.; and Lucan, Sean C. Nutrition in Clinical Practice. 3rd. Philadelphia: Wolters Kluwer Health, 2014. ISBN: 9781451186642. \$82.99.

Ross, Catharine A.; Caballero, Benjamin; J., Cousins Robert, et al. Modern nutrition in health and disease. 11th. Baltimore: Lippincott Williams & Wilkins, 2014. ISBN: 9781605474618. \$204.99.

Temple, Norman J.; Wilson, Ted; and Bray, George A. Nutrition Guide for Physicians and Related Healthcare Professionals. 2nd. Cham, Switzerland: Humana Press, 2017. ISBN: 9783319499291. \$124.00.

Width, Mary; and Reinhard, Tonia. The essential pocket guide for clinical nutrition. 2nd. Philadelphia: Wolters Kluwer Health, 2018. ISBN: 9781496339164. \$51.99.

D.3.d ONCOLOGY AND HEMATOLOGY (Updated Spring 2020)

Abeloff's clinical oncology. 6th. Philadelphia: Elsevier, 2020. ISBN: 9780323476744. \$349.00; also available as an ebook.

Perry's the chemotherapy source book. 5th. Philadelphia: Lippincott Williams & Wilkins, 2012. ISBN: 9781451101454. \$99.95; also available as an ebook.

*Devita, Hellmann, and Rosenberg's cancer: principles and practice of oncology. 11th. Philadelphia: Wolters Kluwer, 2019. ISBN: 9781496394637. \$369.99; also available as an ebook.

Williams hematology. 9th. New York: McGraw-Hill Education, 2016. ISBN: 9780071833004. \$339.00; also available as an ebook on AccessMedicine.

Wintrobe's atlas clinical hematology. 2nd. Philadelphia: Wolters Kluwer, 2018. ISBN: 9781605476148. \$269.99; also available as an ebook.

Wintrobe's clinical hematology. 14th. Philadelphia: Wolters Kluwer, 2019. ISBN: 9781496347428. \$379.99; also available as an ebook.

Abraham, Jame; and Gulley, James L. The Bethesda handbook of clinical oncology. 5th. Philadelphia: Wolters Kluwer, 2019. ISBN: 9781496344182. \$75.99; also available as an ebook.

Hoffman, Ronald; Furie, Bruce; Mcglave, Philip, et al. Hematology: basic principles and practices. 7th. Philadelphia: Elsevier, 2018. ISBN: 9780323509718. \$399.00; also available as an ebook.

Mendelsohn, John; Howley, Peter; Israel, Mark, et al. The molecular basis of cancer. 4th. Philadelphia: Elsevier Saunders, 2014. ISBN: 9781455740666. \$218.00; also available as an ebook.

Rodgers, Griffin P.; and Young, Neal S. The Bethesda handbook of clinical hematology. 4th. Philadelphia: Wolters Kluwer, 2019. ISBN: 9781496354006. \$71.99; also available as an ebook.

D.3.e PARENTERALS (Updated Fall 2018)

- *Plumer's Principles and Practice of Infusion Therapy. 9th. Philadelphia: Lippincott Williams & Wilkins, 2014. ISBN: 9781451188851. \$72.99.
- *King guide to parenteral admixtures. 35th. St. Louis: King Guide, 2016. ISBN: 9780978638603. \$360.00 for first year loose-leaf edition; annual renewal \$184.00. Also available online.
- *Mcevoy, Gerald K.; and Trissel, Lawrence A. Handbook on injectable drugs. 18th. Bethesda: American Society of Health-System Pharmacists, 2014. ISBN: 9781585284191. \$380.00; also available as e-book.
- *Phelps, Stephanie J.; Hak, Emily B.; and Crill, Catherine M. Pediatric injectable drugs: the teddy bear book. 10th. Bethesda: American Society of Health-System Pharmacists, 2013. ISBN: 9781585283798. \$159.00.
- Phillips, Lynn D. Manual of I.V. therapeutics. 6th. Philadelphia: F.A. Davis, 2014. ISBN: 9780803638464. \$46.95.

D.3.f - X.2.b PEDIATRICS - HANDBOOKS AND DICTIONARIES (Updated Fall 2019)

- The Harriet Lane handbook: a manual for pediatric house officers. 21st. Philadelphia: Elsevier Saunders, 2017. ISBN: 9780323399555. \$54.99; also available as an ebook.
- Nahata, Milap C.; and Pai, Vinita B. Pediatric drug formulations. 7th. Cincinnati: Harvey Whitney, 2011. ISBN: 9780929375120. \$160.00.
- Taketomo, Carol K.; Hodding, Jane H.; and Kraus, Donna M. Pediatric & neonatal dosage handbook. 26th. Hudson, OH: Lexi-Comp, 2019. ISBN: 9781591953807. \$94.95.

D.3.f PEDIATRICS (Updated Fall 2019)

- *Nelson textbook of pediatrics. 20th. Philadelphia: Elsevier, 2016. ISBN: 9781455775668. \$169.99.

D.3.g - X.2.b PSYCHIATRY - HANDBOOKS AND DICTIONARIES (Updated Spring 2018)

Bezchlibnyk-Butler, Kalyna Z.; Jeffries, Joel J.; and Procyshyn, Ric M. Clinical handbook of psychotropic drugs. 22nd. Kirkland, WA: Hogrefe & Huber Publishers, 2017. ISBN: 9780889374966 \$99.80.

Jacobson, Sandra A.; Pies, Ronald W.; and Katz, Ira R. Clinical manual of geriatric psychopharmacology. 2nd. Washington, D.C.: American Psychiatric Publishing, 2014. ISBN: 9781585624546. \$95.00.

D.3.g PSYCHIATRY (Updated Spring 2018)

Diagnostic and statistical manual of mental disorders: : DSM-V. 5th Washington, D.C.: American Psychiatric Association, 2013. ISBN: 978089042558. \$210.00.

Gabbard's treatments of psychiatric disorders. Arlington, VA: American Psychiatric Publishing, 2014. ISBN: 9781585624423. \$175.39.

Meyler's side effects of psychiatric drugs. San Diego, CA: Elsevier Science, 2009. ISBN: 978044432664. \$71.95.

Stahl's essential psychopharmacology: neuroscientific basis and practical applications. 4th. New York: Cambridge University Press, 2013. ISBN: 9781107686465. \$121.00.

*Kaplan & Sadock's comprehensive textbook of psychiatry. 10th. Philadelphia: Lippincott Williams & Wilkins, 2017. ISBN: 9781451100471. 2-vol. set, \$404.99.

Julien, Robert M. A primer of drug action: a comprehensive guide to the actions, uses, and side effects of psychoactive drugs. 13th. New York: Worth Publishers, 2014. ISBN: 9781464111716. \$115.85.

*Schatzberg, Alan F.; and Nemeroff, Charles B. The American Psychiatric Press textbook of psychopharmacology. 5th. Washington: American Psychiatric Press, 2017. ISBN: 9781585625239. \$299.00.

D.3.h - X.2.b SUBSTANCE ABUSE - HANDBOOKS AND DICTIONARIES (Updated Spring 2019)

Karch, Steven B. Drug abuse handbook. 2nd. Boca Raton, FL: CRC/Taylor and Francis, 2007. ISBN: 9780849316906. \$270.00.

Perkinson, Robert R.; Jongsma Jr., Arthur E.; and Bruce, Timothy J. The addiction treatment planner. 5th. Hoboken, NJ: Wiley, 2014 ISBN: 9781118414750. \$65.00.

Rastegar, Darius A.; Fingerhood, Michael I.; and American Society of Addiction Medicine. The American Society of Addiction Medicine handbook of addiction medicine. Oxford: Oxford University Press, 2015. ISBN: 9780190214647. \$76.00.

D.3.h - X.7 SUBSTANCE ABUSE - WEB SITES (Updated Spring 2019)

Alcohol and Drug Abuse Institute. University of Washington. URL: <http://adai.washington.edu/>

Substance Abuse and Mental Health Services Administration. SAMHSA. URL: <http://www.samhsa.gov>

National Institute on Alcohol Abuse and Alcoholism. National Institute on Alcohol Abuse and Alcoholism. URL: <http://www.niaaa.nih.gov/>

National Institute on Drug Abuse. National Institute on Drug Abuse. URL: <http://www.drugabuse.gov/>

D.3.h SUBSTANCE ABUSE (Updated Spring 2019)

Karch's pathology of drug abuse. 5th. Boca Raton, FL: Taylor and Francis, 2016. ISBN: 9781439861462. \$175.00.

Galanter, Marc; Kleber, Herbert D.; and Brady, Kathleen. American Psychiatric Publishing textbook of substance abuse treatment. 5th. Washington, DC: American Psychiatric Publishing, 2015. ISBN: 9781585624720. \$209.00.

Goldberg, Ray. Drugs across the spectrum. 8th. Pacific Grove, CA: Delmar Cengage Learning, 2019. ISBN: 9781337557368. \$113.95.

Hart, Carl L.; and Ksir, Charles. Drugs, society, and human behavior. 17th. New York: McGraw-Hill, 2018. ISBN: 9781259913860. \$227.33.

Ries, Richard K.; Fiellin, David A.; Miller, Shannon, et al. The American Society of Addiction Medicine principles of addiction medicine. 6th. Philadelphia: Lippincott Williams and Wilkins, 2019. ISBN: 9781496370983. \$245.99.

D.3.i SURGERY (Updated Fall 2020)

Miller's anesthesia. 9th. Philadelphia, PA: Elsevier, 2020. ISBN: 9780323596046. \$459.00 available as ebook.

Stoelting's pharmacology and physiology in anesthetic practice. 6th. Philadelphia: Lippincott Williams & Wilkins, 2020. ISBN. \$184.99.

Barash, Paul G.; Cahalan, Michael K.; Cullen, Bruce F., et al. Clinical Anesthesia. 8th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781496337009. \$239.99 Available as ebook.

Erstad, Brian L. Critical care pharmacotherapy. American College of Clinical Pharmacy, 2016. ISBN: 9781939862204. \$129.95.

Hemmings, Hugh C.; and Egan, Talmage D. Pharmacology and Physiology for Anesthesia: Foundations and Clinical Application. 2nd ed. Philadelphia: Elsevier; 2019.

D.3.j PREGNANCY AND LACTATION (Updated Spring 2018)

*Briggs, Gerald G.; and Freeman, Roger K. Drugs in pregnancy and lactation: a reference guide to fetal and neonatal risk. 11th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781496349620. \$112.99.

Hale, Thomas W. Medications & mothers' milk. 2nd. New York: Springer Publishing, 2018. ISBN: 9780826135582. \$59.95.

Rubin, Peter C.; and Ramsey, Margaret. Prescribing in pregnancy. 4th. London, England: BMJ, 2008. ISBN: 9781405147125. \$76.95.

D.4 - X.7 ALTERNATIVE MEDICINE - WEB SITES (Updated Spring 2020)

National Institutes of Health. National Center for Complementary and Integrative Health. National Institutes of Health. URL: <https://nccih.nih.gov/>

D.4 ALTERNATIVE MEDICINE (Updated Spring 2020)

Mosby's complementary & alternative medicine: a research-based approach. 3rd. St. Louis: Mosby, 2009. ISBN: 978032305346. \$69.95.

Bauer, Brent A.; Hagen, Phillip T.; and Millman, Martha. Mayo Clinic book of alternative medicine & home remedies. New York Time Home Entertainment, 2013. ISBN: 9780848741228. \$24.95.

Fundukian, Laurie J. Gale encyclopedia of alternative medicine. 3rd. Detroit: Gale, Cengage Learning, 2009. ISBN: 9781414448725. \$540.00.

Jacobs, Bradly P.; and Gundling, Katherine. The ACP evidence-based guide to complementary & alternative medicine. Philadelphia: American College of Physicians, 2009. ISBN: 9781934465042. \$69.95.

Kayne, Steven B. Complementary therapies for pharmacists. Complementary and alternative medicine. 2nd. London: Pharmaceutical Press, 2009. ISBN: 978085369763. \$65.00.

Kayne, Steven B. Traditional medicine: A global perspective. London: Pharmaceutical Press, 2010. ISBN: 978085369833. \$69.99.

Mantle, Fiona; and Tiran, Denise. A-Z of complementary and alternative medicine: a guide for health professionals. New York: Churchill Livingstone, 2009. ISBN: 9780443103292. \$29.95.

Micozzi, Marc S. Fundamentals of complementary and alternative medicine. 5th. St. Louis: Saunders/Elsevier, 2015. ISBN: 9781455774074. \$57.90.

Rakel, David. Integrative medicine. 4th. Philadelphia: Elsevier Saunders, 2018. ISBN: 9780323358682. \$90.70.

*World Health Organization. WHO traditional medicine strategy, 2014-2023. Geneva: WHO, 2013. ISBN: 9789241506090. FREE.

E.0 - X.4.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY) - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN (Updated Fall 2019)

*Bolton, Sanford; and Bon, Charles. Pharmaceutical statistics: practical and clinical applications. 5th. New York: Dekker, 2010. ISBN: 9781420074222. \$220.00.

E.0 - X.6.1.c PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY) - ONLINE ABSTRACTS AND INDEXES (Updated Fall 2019)

Social sciences citation index. Thomson Reuters, updated weekly. Available in a variety of formats and at various prices. Online version known as Social SciSearch. URL: <http://scientific.thomsonreuters.com/products/ssci/>

E.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY) (Updated Fall 2019)

Cipolle, Robert J.; M., Strand Linda; and C., Morley Peter. Pharmaceutical care practice. 3rd. New York: McGraw-Hill Medical, 2012. ISBN: 9780071756389. \$94.00.

Donyai, Parastou. Social and cognitive pharmacy; theory and case studies. London: Pharmaceutical Press, 2012. ISBN: 9780853698999. \$52.00.

*Rickles, Nathaniel M.; Wertheimer, Albert I.; and Schommer, Jon. Social and behavioral aspects of pharmaceutical care. 3rd. Dubuque, IA: Kendall Hunt, 2016. ISBN: 9781465252579. \$105.

E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES (Updated Fall 2019)

*Jonas and Kovner's health care delivery in the United States. 12th. New York: Springer, 2018. ISBN: 9780826172723. \$95.00.

Bodenheimer, Thomas; and Grumbach, Kevin. Understanding health policy: a clinical approach. 7th. New York, NY: McGraw-Hill, 2016. ISBN: 9781259584756. \$45.00.

Mccarthy, Robert L.; Schafermeyer, Kenneth W.; and Plake, Kimberly S. Introduction to health care delivery: a primer for pharmacists. 6th. Burlington, MA: Jones & Bartlett, 2017. ISBN: 9781284094107. \$124.95.

E.1.a - X.1.a EPIDEMIOLOGY – CLASSICS (Updated Spring 2020)

Yang, Yi; West-Strum, Donna. Understanding pharmacoepidemiology. New York: McGraw-Hill Medical, 2011. ISBN: 9780071635004. \$45.74; also available as an ebook on AccessPharmacy.

E.1.a - X.7 EPIDEMIOLOGY - WEB SITES (Updated Spring 2020)

International Society for Pharmacoepidemiology. ISPE. URL: <http://www.pharmacoepi.org/>

E.1.a EPIDEMIOLOGY (Updated Spring 2020)

*Gordis Epidemiology. 6th. Philadelphia: Elsevier Saunders, 2019. ISBN: 9780323552295. \$31.98; also available as an ebook on ClinicalKey.

Fletcher, Grant S. Clinical epidemiology: the essentials. 6th. Philadelphia: Wolters Kluwer Health, 2021. ISBN: 9781975109554. \$37.33; also available as an ebook on LWW Health Library.

Friis, Robert H.; and Sellers, Thomas A. Epidemiology for public health practice. 6th. Burlington, MA: Jones & Bartlett Learning, 2021. ISBN: 9781284175431. \$86.53; also available as an ebook.

Greenberg, Raymond. Medical Epidemiology: Population health and effective health care. 5th. New York: McGraw-Hill Education, 2015. ISBN: 9780071822725. \$61.41.

*Strom, Brian L.; and Kimmel, Stephen E. Textbook of pharmacoepidemiology. 2nd. New York: Wiley, 2013. ISBN: 9781118344866. \$79.64; also available as an ebook.

E.1.b - X.7 PHARMACOECONOMICS - WEB SITES (Updated Spring 2020)

International Society for Pharmacoeconomics and Outcomes Research. ISPOR. URL: <http://www.ispor.org/>

E.1.b PHARMACOECONOMICS (Updated Spring 2020)

Arnold, Renee J. G. Pharmacoeconomics: from theory to practice. Boca Raton, FL: CRC Press, 2009. ISBN: 9781420084221. \$129.95; also available as an ebook.

Bootman, Lyle J.; Townsend, Raymond J.; and Mcghan, William F. Principles of pharmacoeconomics. 3rd. Cincinnati: Harvey Whitney, 2005. ISBN: 9780929375274. \$79.95.

Mackinnon Iii, George E. Understanding health outcomes and pharmacoeconomics. Burlington, MA: Jones & Bartlett Learning, 2013. ISBN: 9780763770990. \$98.95; also available as an ebook on APhA PharmacyLibrary.

Pradelli, Lorenzo; and Wertheimer, Albert. Pharmacoeconomics: principles and practice. Torino: SEED Medical Publishers, 2012. ISBN: 9788897419372. \$17.69; also available as an ebook.

Rascati, Karen. Essentials of pharmacoeconomics. 2nd. Philadelphia: Lippincott, Williams and Wilkins, 2013. ISBN: 9781451175936. \$79.99; also available as an ebook.

E.2.0 PATIENT-RELATED ACTIVITIES (Updated Fall 2019)

Griffith's instructions for patients. 8th. Philadelphia: Elsevier Saunders, 2011. ISBN: 9781437709094. \$95.95; also available as an ebook.

Bennet, Marialice. How to implement the pharmacists' patient care process. San Antonio: American Pharmacists Association, 2015. ISBN: 9781582122564. \$19.95; also available as an ebook.

- Berger, Bruce A.; and Villaume, William A. Motivational interviewing for health care professionals: a sensible approach. Washington: American Pharmacists Association, 2013. ISBN: 9781582121802. \$43.95; also available as an ebook.
- Falvo, Donna R. Effective patient education: a guide to increased adherence. 4th. Boston: Jones and Bartlett, 2011. ISBN: 9780763766252. \$193.95; also available as an ebook.
- Haddad, Amy; Doherty, Regina; and Purtilo, Ruth. Health professional and patient interaction. 9th. Philadelphia: Elsevier Health Sciences, 2019. ISBN: 9780323533621. \$72.95; also available as an ebook.
- Hojat, Mohammadreza. Empathy in health professions education and patient care. Springer, 2016. ISBN: 9783319276250. \$99.99; also available as an ebook.
- Medlineplus. Patient education material, handouts, videos. National Library of Medicine and National Institutes of Health. URL: <https://medlineplus.gov/>
- Rosengren, David B. Building motivational interviewing skills: a practitioner workbook. 2nd. New York: Guilford, 2018. ISBN: 9781462532063. \$50.00; also available as an ebook.
- Silverman, Jonathan; Kurtz, Suzanne; and Draper, Juliet. Skills for communicating with patients. 3rd. London: Radcliffe, 2013. ISBN: 9781846193651. \$59.95.
- Stewart, Melissa. Art and science of patient education for health literacy. Philadelphia: Elsevier Health Sciences, 2019. ISBN: 9780323609081. \$64.95; also available as an ebook.
- Tietze, Karen J. Clinical skills for pharmacists: a patient-focused approach. 3rd. St. Louis: Elsevier Mosby, 2012. ISBN: 9780323077385. \$91.95; also available as an ebook

E.2.a DISEASE STATE MANAGEMENT (Updated Fall 2019)

- *Blenkinsopp, Alison; Paxton, Paul; and Blenkinsopp, John. Symptoms in the pharmacy; a guide to the management of common illness. 8th. Malden, MA: Wiley-Blackwell, 2018. ISBN: 9781119317968. \$59.95.
- Helms, Richard; and Quan, David. Textbook of therapeutics: drug and disease management. 8th. Philadelphia, PA: Lippincott Williams & Wilkins, 2011 ISBN: 9780781757348. \$48.26.
- Kohlstadt, Ingrid. Advancing medicine with food and nutrients. 2nd. New York: CRC Press, 2012. ISBN: 9781439887721. \$180.00.
- Nuovo, Jim. Chronic disease management. New York: Springer, 2007. ISBN: 9780387329277. \$99.00.
- Randall, Michael D.; and Neil, Karen E. Disease management: a guide to clinical pharmacology. 3rd. London, England: Pharmaceutical Press, 2016. ISBN: 9780857112095. \$79.99.

Remington, Patrick L.; Borwnson, Ross C.; and Wegner, Mark V. Chronic disease epidemiology, prevention, and control. 4th. Atlanta: American public Health Association, 2016. ISBN: 9780875532776. \$89.25.

Zeind, Caroline; and Carvalho, Michael. Applied therapeutics: the clinical use of drugs. 11th. Philadelphia, PA: Wolters Kluwer, 2017 ISBN: 9781496318299. \$224.99.

E.2.b - X.2.b SELF CARE (OTCs) - HANDBOOKS AND DICTIONARIES (Updated Fall 2019)

Physician's desk reference for nonprescription drugs and dietary supplements. 27th. Montvale, NJ: Thomson PDR, 2005. ISBN: 9781563635305. \$58.95; also available online.

*Krinsky, Daniel L.; Ferreri, Stefanie P.; Hemstreet, Brian, et al. Handbook of nonprescription drugs: an interactive approach to self-care. 19th. Washington, DC: American Pharmacists Association, 2017. ISBN: 9781582122656. \$209.95.

E.3.0 PHARMACISTS' PROFESSIONAL DEVELOPMENT (Updated Fall 2019)

Bookstaver, Brandon P.; Rudisill-Caulder, Celeste; Smith, Kelly M., et al. Roadmap to postgraduate training in pharmacy. New York: McGraw-Hill, 2013. ISBN: 9780071788755. \$75.00.

Boyle, Jaclyn. Career paths in academic pharmacy: an ASHP eReport. Bethesda, MD: American Society of Health-system Pharmacists, 2015. ISBN: 9781585285068 \$9.95.

Boyle, Jaclyn. Career paths in ambulatory care pharmacy: an ASHP eReport. Bethesda, MD: American Society of Health-system Pharmacists, 2014. ISBN: 9781585284870 \$9.95.

Boyle, Jaclyn. Career paths in inpatient pharmacy: an ASHP eReport. Bethesda, MD: American Society of Health-system Pharmacists, 2015. ISBN: 9781585285631. \$9.95.

Boyle, Jaclyn; Beis, Sara J.; Brown, Joshua D., et al. Career Paths in Industry and Population Health: An ASHP eReport. 2017. ISBN: 978585285891. \$11.00; also available as an ebook.

Boyle, Jaclyn; King, Benjamin; Czenkner, Rayna, et al. Career paths in community pharmacy: an ASHP eReport. 2015. ISBN: 9781585285228. \$9.95.

Caballero, Joshua; Clauson, Kevin; and Sandra, Benavides. Get the Residency: ASHP's Guide to Residency Interviews and Preparation. Bethesda: American Society of Health-system Pharmacists, 2013. ISBN: 9781585283651. \$27.00.

Miller, Monica L. Getting Started in a Pharmacy Residency. Washington DC: American Pharmacists Association, 2013. ISBN: 9781582121550. \$35.95; also available as an ebook.

Neimeyer, Greg J.; and Taylor, Jennifer M. Continuing Professional Development and Lifelong Learning: Issues, Impacts and Outcomes. Hauppauge, NY: Nova Science, 2012. ISBN: 9781621007678. \$215.00

Reinders, Thomas P. Pharmacy professional's guide to resumes, CVs and interviewing. 4th. Washington, DC: American Pharmacists Association, 2017. ISBN: 9781582122687. \$49.95.

Soric, Mate M.; Schneider, Stacey R.; and Wisneski, Scott S. The effective pharmacy preceptor. 2017. Bethesda, MD: American Society of Health-system Pharmacists, 2017. ISBN: 9781585285549 \$39.00; also available as an ebook.

E.3.a COMMUNICATION SKILLS (Updated Fall 2019)

*Beardsley, Robert S.; Skrabal, Maryann Z.; and Kimberlin, Carole L. Communication skills in pharmacy practice: a practical guide for students and practitioners. 7th. Philadelphia: Wolter Kluwer, 2020. ISBN: 9781975105419. \$64.99.

Bennett, Marialice; and Kliethermes, Mary Ann. How to implement the pharmacists' patient care process. Washington, D.C: American Pharmacists Association, 2015. ISBN: 9781582122564. \$19.95; also available as an ebook.

Berger, Bruce A. Communication skills for pharmacists: building relationships, improving patient care. 3rd. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121321. \$42.95.

Kisch, Glenn L.; and Moody, Ashley E. Essential Spanish for pharmacy. Washington, DC: American Pharmacists Association, 2015. ISBN: 9781582122380. \$15.95; also available as an ebook.

Liu, Min; and Butler, Lakesha M. Patient communication for pharmacy: a case-study approach on theory and practice. Burlington, MA: Jones & Bartlett Learning, 2017. ISBN: 9781284038880. \$67.95.

O'toole, Glyn. Communication: core interpersonal skills for health professionals. 3rd. Chatswood: Elsevier, 2016. ISBN: 9780729542449. \$63.95.

Van Servellen, Gwen. Communication skills for the health care professional: context, concepts, practice, and evidence. 3rd. Burlington, MA: Jones & Bartlett Learning, 2020. ISBN: 9781284141429. \$90.95; also available as an ebook.

E.3.b - X.1.0 EDUCATION – HISTORY (Updated Fall 2019)

*Clinical pharmacy in the United States: transformation of a profession. Lenexa, KS: American College of Clinical Pharmacy, 2009. ISBN: 9781932658682. \$59.95.

Pharmacy in the 21st century. Conference on pharmacy in the 21st century, October 11-14, 1989. Alexandria, VA: American Association of Colleges of Pharmacy, 1989. ISBN: 1553-6467 ISSN. American journal of pharmaceutical education; v.53, winter suppl, \$50.00.

E.3.b - X.1.a EDUCATION – CLASSICS (Updated Fall 2019)

Pharmacy in the 21st century: planning for an uncertain future; the proceedings from a strategic planning conference for the professional pharmacy community in cooperation with The Institute for Alternative Futures and Project HOPE Institute for Health Policy, March 25-28, 1984. Alexandria, VA: Institute for Alternative Futures and Project HOPE, 1985. ISBN: o.p.

Pharmacy in the 21st century: the third strategic planning conference for pharmacy practice, October 7-10, 1994. Washington, DC: American Pharmacists Association, 1995. ISBN: o.p.

Millis, John S. Pharmacists for the future: the report of The Study Commission on Pharmacy, commissioned by The American Association of Colleges of Pharmacy, 1975. Ann Arbor, MI: Health Administration Press, 1975. ISBN: 0914904140. o.p., but included in Worthen, Dennis, ed. The Millis Study Commission on Pharmacy (see entry in X.1.0 HISTORY).

Worthen, Dennis B. The Millis study commission on pharmacy: a road map to a profession's future. London: Informa Healthcare, 2006. ISBN: 9780789024244. \$60.00.

E.3.b - X.7 EDUCATION - WEB SITES (Updated Fall 2019)

*Accreditation Council for Pharmacy Education. Accreditation Council for Pharmacy Education. URL: <https://www.acpe-accredit.org>

American Association of Colleges of Pharmacy. American Association of Colleges of Pharmacy. URL: <http://www.aacp.org>

E.3.b EDUCATION (Updated Fall 2019)

McKeachie's teaching tips: strategies, research, and theory for college and university teachers. 14th. Belmont, CA: Wadsworth, 2014. ISBN: 9781133936794. \$99.95.

Anderson, Lorin W.; Krathwohl, David R.; Airasian, Peter W., et al. A taxonomy for learning, teaching and assessing: a revision of Bloom's taxonomy of educational objectives. New York: Longman, 2000. ISBN: 9780801319037. \$99.60.

Angelo, Thomas A.; and Cross, Patricia K. Classroom assessment techniques; a handbook for college teachers. 2nd. San Francisco: Jossey-Bass, 1994. ISBN: 9781555425005. \$54.00.

- Banta, Trudy W. Building a scholarship of assessment. San Francisco: Jossey-Bass, 2010. ISBN: 9780470623077. \$48.00; also available as an ebook.
- Barkley, Elizabeth F.; Cross, Patricia K.; and Major, Claire Howell. Collaborative learning techniques: a handbook for college faculty. 2nd. San Francisco: Jossey-Bass, 2014. ISBN: 9781118761557. \$45.00.
- Brown, Peter C.; Roediger III, Henry L.; and McDaniel, Mark A. Make it stick: the science of successful learning. Belknap Press, 2014. ISBN: 9780674729018. \$30.00; also available as an ebook.
- Cuellar, Lourdes M.; and Ginsburg, Diane B. Preceptor's handbook for pharmacists. 4th. Bethesda, MD: American Society of Health-System Pharmacists, 2019. ISBN: 9781585284955. \$65.00.
- Fink, L. Dee. Creating significant learning experiences: an integrated approach to designing college courses. 2nd. San Francisco: Jossey-Bass, 2013. ISBN: 9781118124253. \$38.00; also available as an ebook.
- Hall, Gary D.; and Reiss, Barry S. Lange Q&A pharmacy. 10th. New York: McGraw Hill Professional, 2011. ISBN: 9780071740678. \$61.00; also available as an ebook.
- Harmon, Robin. Handbook of pharmacy health education. 2nd. London, England: Pharmaceutical Press, 2001. ISBN: 9780853694717. \$65.00.
- King, Patricia; and Kitchener, Karen S. Developing reflective judgment: understanding and promoting intellectual growth and critical thinking in adolescents and adults. San Francisco: Jossey-Bass, 1994. ISBN: 9781555426293. \$45.00.
- Michaelsen, Larry K.; Knight, Arletta B.; and Fink, Dee L. Team-based learning: a transformative use of small groups in college teaching. Sterling, VA: Stylus, 2004. ISBN: 9781579220860. \$32.00.
- Roblyer, Margaret D. Integrating educational technology into teaching. 8th. Boston: Pearson/Allyn and Bacon, 2019. ISBN: 9780134746418. \$93.32; also available as an ebook.
- Soric, Mate M. Maximize your rotations: ASHP's student guide to IPPEs, APPEs, and beyond. Bethesda, MD: American Society of Health-System Pharmacists, 2013. ISBN: 9781585283545 \$44.00.
- Soric, Mate M.; Schneider, Stacey R.; and Wisneski, Scott S. The effective pharmacy preceptor. Bethesda, MD: American Society of Health-System Pharmacists, 2017. ISBN: 9781585285549. \$39.00; also available as an ebook.
- Sylvia, Lynne M.; and Barr, Judith T. Pharmacy education: what matters in learning and teaching. Sudbury, MA: Jones and Bartlett Learning, 2011. ISBN: 9780763773977. \$111.95; also available as an ebook.

E.3.c - X.7 INTERPROFESSIONAL EDUCATION - WEB SITES (Updated Fall 2018)

American Interprofessional Health Collaborative. URL: <http://www.aihc-us.org/>

Centre for the Advancement of Interprofessional Education (CAIPE). URL: <http://www.caipe.org.uk/>

Interprofessional Education Collaborative. 2019. URL: <https://www.ipecollaborative.org/>

National Center for Interprofessional Practice and Education. URL: <https://nexusipe.org/>

E.3.c INTERPROFESSIONAL EDUCATION (Updated Fall 2018)

Forman, Dawn; Jones, Marion; and Thistlethwaite, Jill. Leadership and collaboration: further developments for interprofessional education. London, England: Palgrave Macmillan, 2015. ISBN: 9781137432070. \$115.

Forman, Dawn; Jones, Marion; and Thistlethwaite, Jill. Leadership development for interprofessional education and collaborative practice. London, England: Palgrave Macmillan, 2014. ISBN: 9781137363015. \$109.99.

Forman, Dawn; Jones, Marion; and Thistlethwaite, Jill. Leading research and evaluation in interprofessional education and collaborative practice. London, England: Palgrave Macmillan, 2016. ISBN: 9781137537423. \$159.99.

Howkins, Elizabeth; Bray, Julia; and Barr, Hugh. Preparing for interprofessional teaching: theory and practice. New York: Radcliffe, 2008. ISBN: 9781846190988. \$45.00.

*Institute of Medicine. Interprofessional education for collaboration: learning how to improve health from interprofessional models across the continuum of education to practice. Washington, DC: National Academies Press, 2013. ISBN: 9780309263498. \$45.00; also available online.

Slusser, Margaret; Garcia, Luis; Reed, Carole-Rae, et al. Foundations of Interprofessional Collaborative Practice in Health Care. Philadelphia, PA: Mosby, 2018. ISBN: 9780323462419. \$59.95.

Thistlethwaite, Jill. Values-based interprofessional collaborative practice: working together in health care. West Nyack, NY: Cambridge University Press, 2012. ISBN: 9781107636163. \$53.00.

Weiss, Donna; Tilin, Felice; and Morgan, Marlene. The interprofessional health care team: leadership and development. Burlington, MA: Jones & Bartlett Learning, 2014. ISBN: 9781449673369. \$64.95.

E.3.d CULTURAL COMPETENCY (Updated Fall 2019)

Dreachslin, Janice L.; Gilbert, Jean M.; and Malone, Beverly. Diversity and cultural competence in health care a systems approach San Francisco: Jossey-Bass, 2013. ISBN: 9781118065600. \$85.00.

*Fadiman, Anne. The Spirit Catches You and You Fall Down: A Hmong child, her American doctors, and the collision of two cultures. New York: Farrar, Straus and Giroux, 2012. ISBN: 9780374533403. \$15.00.

- *Galanti, Geri-Ann. Caring for patients from different cultures. 5th. Philadelphia: University of Pennsylvania Press, 2014. ISBN: 9780812223118. \$22.50.
- *Halbur, Kimberly V.; Halbur, Duane A; and American Pharmacists Association. Essentials of cultural competence in pharmacy practice. Washington, D.C.: American Pharmacists Association, 2008. ISBN: 9781582121130. \$32.95 Supplementary materials on American Pharmacist's Association Pharmacy Library.
- Hsieh, Elaine. Bilingual Health Communication: Working with interpreters in cross-culture care. New York: Routledge, 2016. ISBN: 9781138999459. \$49.95.
- Liu, Min; and Butler, Lakesha M. Patient Communication for Pharmacy. A case-study approach on theory and practice. Sudbury, MA: Jones and Bartlett Publishers, 2017. ISBN: 9781284038880. \$69.95.
- Martin, Marcus L.; Heron, Sheryl L.; Moreno-Walton, Lisa, et al. Diversity and Inclusion in Quality Patient Care. New York: Springer, 2016. ISBN: 9783319228396. \$129.00.
- Pâerez, Miguel A.; and Luquis, Raffy R. Cultural competence in health education and health promotion. 2nd. San Francisco, CA: Jossey-Bass, 2014. ISBN: 9781118347492. \$80.00.
- *Purnell, Larry D. Guide to culturally competent health care 4th. Philadelphia: F.A. Davis Co., 2013. ISBN: 9780803637054. \$64.95.
- Sias, Jeri J.; James, Susana V.; De Martinez, Cristina Cabello C., et al. Spanish for the pharmacy professional. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121208. \$49.50.
- Smith, Patricia. Disability and Culture: An international and Inter-professional perspective. Champaign, IL: Common Ground Publishing, 2015. ISBN: 9781612299433. \$40.00.
- *Sorajjakool, Siroj ; Carr, Mark F.; and Nam, Julius J. World religions for healthcare professionals. 2nd. New York: Routledge, 2017. ISBN: 9781138189140. \$49.95.
- *Spector, Rachel E. Cultural diversity in health and illness. 9th. Boston: Pearson, 2016. ISBN: 9780134413310. \$75.81.
- Waugh, Earle; Szafran, Olga; Triscott, Jean A.C., et al. Cultural Competency Skills for Health Professionals: A workbook for caring across cultures. Toronto, Canada: Brush Education, 2014. ISBN: 9781550596205. \$79.95. Includes DVD.
- *White, Joseph L.; and Henderson, Sheila J. Building multicultural competency: Development, training, and practice. Lanham, MD: Rowman & Littlefield Publishers, 2008. ISBN: 9780742564206. \$79.00.

E.4.0 - X.3 PROFESSIONAL PRACTICE - LAWS, LEGISLATION, REGULATIONS, AND ETHICS (Updated Spring 2020)

Buerki, Robert A.; and Vottero, Louis D. Pharmacy Ethics: A Foundation for Professional Practice. Washington DC: American Pharmacists Association, 2013. ISBN: 9781582121796. \$42.95; also available as an ebook on APhA PharmacyLibrary.

*Veatch, Robert; and Haddad, Amy. Case studies in pharmacy ethics. 3rd. Oxford, England: Oxford, 2017. ISBN: 9780190277000. \$36.95; also available as an ebook.

E.4.0 - X.7 PROFESSIONAL PRACTICE - WEB SITES (Updated Spring 2020)

American College of Apothecaries. URL: <http://www.americancollegeofapothecaries.com/>

American Pharmacists Association. APhA. URL: <http://www.pharmacist.com>

American Society of Health-System Pharmacists. ASHP. URL: <http://www.ashp.org>

Joint Commission of Pharmacy Practitioners. JCPP. URL: <https://jcphp.net/>

National Community Pharmacists Association. NCPA. URL: <http://www.ncpanet.org/>

U.S. Pharmacopeia. United States Pharmacopeial Convention. URL: <http://www.usp.org>

American Society of Consultant Pharmacists. ASCP. 2011. URL: <http://www.ascp.com>

National Alliance of State Pharmacy Associations. NASPA. 2011. URL: <http://www.ncspae.org>

E.4.0 PROFESSIONAL PRACTICE (Updated Spring 2020)

*Remington: the science and practice of pharmacy. 23rd. Cambridge, MA: Elsevier Academic Press, 2020. ISBN: 9780128200070 \$200.00.

Chisholm-Burns, Marie A.; Vaillancourt, Allison M.; and Shepherd, Marv. Pharmacy management, leadership, marketing and finance. 2nd. Sudbury, MA: Jones and Bartlett, 2014. ISBN: 9781449660284. \$44.95.

Elder, Deborah L. A practical guide to contemporary pharmacy practice and compounding. 4th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781496321299. \$94.99; also available as an ebook.

Harding, Geoffrey; and Taylor, Kevin. Pharmacy practice. 2nd. Boca Raton: CRC Press, Taylor & Francis Group, 2017. ISBN: 9781138457263. \$210.00; also available as an ebook.

Holdford, David A. Marketing for pharmacists. 3rd. Richmond, VA.: Pharmaco Enterprise Publishing, 2015. ISBN: 9780996644914. \$18.95.

Joint Commission of Pharmacy Practitioners. Pharmacist's Patient-Care Process. Washington, DC; 2014.

Lauster, Colleen C.; and Srivastava, Sneha B. Fundamental skills for patient care in pharmacy practice. Burlington: Jones and Bartlett, 2014. ISBN: 9781449652722. \$112.95.

Peterson, Andrew M.; and William, Kelly N. Leadership and management in pharmacy practice. Boca Raton, FL: CRC Press, 2014. ISBN: 9781466589629. \$115.00; also available as an ebook.

Zgarrick, David P.; Moczygemba, Leticia R.; Alston, Greg, et al. Pharmacy management: essentials for all practice settings. 5th. New York: McGraw-Hill, 2020. ISBN: 9781260456387. \$84.00; also available as an ebook.

E.4.a - X.1.a COMMUNITY PHARMACY – CLASSICS (Updated Spring 2020)

Tindall, William N.; and Millonig, Marsha K. Pharmaceutical care: insights from community pharmacists. Boca Raton, FL: CRC Press, 2003. ISBN: 9781566769532. \$140.00; also available as an ebook.

E.4.a - X.7 COMMUNITY PHARMACY - WEB SITES (Updated Spring 2020)

Medication Therapy Management (MTM) Library. American Pharmacists Association. URL: https://portal.pharmacist.com/mtm_library

E.4.a COMMUNITY PHARMACY (Updated Spring 2020)

Chain drug review: annual report of retail pharmacy. New York: Racher Press, annual. ISBN: \$100.00.

*NCPA digest, sponsored by Cardinal Health. Alexandria, VA: National Community Pharmacists Association, 2008. ISBN: LCCN: 2004235207. Free.

Addison, Brian; Brown, Alyson ; Edwards, Ruth, et al. Minor illness or major disease? 6th. Grayslake, IL: Pharmaceutical Press, 2016. ISBN: 9780857112149. \$63.00; also available as an ebook.

Angelo, Lauren B.; and Cerulli, J. How to conduct a comprehensive medication review: a guidebook for pharmacists. Washington, DC: American Pharmacists Association, 2014. ISBN: 9781582122168. \$16.95; also available as an ebook on APhA PharmacyLibrary.

Goode, Jean-Venable R.; Roman, Lynne M.; and Weitzel, Kristin W. Community pharmacy practice case studies. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121055. \$53.89.

Rutter, Paul. Community pharmacy: symptoms, diagnosis and treatment. 5th. New York: Elsevier Health Sciences, 2020. ISBN: 9780702080203. \$51.99.

Waterfield, Jon. Community pharmacy handbook. Chicago: Pharmaceutical Press, 2008. ISBN: 9780853697169. \$39.99.

E.4.b - X.1.a HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY – CLASSICS
(Updated Spring 2020)

Holdford, David A.; and Brown, Thomas R. Introduction to hospital and health-system pharmacy practice. Bethesda: American Society of Health-System Pharmacists, 2010. ISBN: 9781585282371. \$56.35; also available as an ebook.

Usselton, John P.; Kienle, Patricia; and Murdaugh, Lee B. Assuring continuous compliance with Joint Commission standards: a pharmacy guide. 8th. Bethesda: American Society of Health-System Pharmacists, 2010. ISBN: 9781585282425. \$206.00; also available as an ebook.

E.4.b - X.3 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - LAWS, LEGISLATION, REGULATIONS, AND ETHICS (Updated Spring 2020)

*Best practices for hospital & health-system pharmacy: position & guidance documents of ASHP. Bethesda: American Society of Health-System Pharmacists, annual. ISBN: \$110.00; also available as an ebook.

E.4.b - X.5 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY – DIRECTORIES
(Updated Spring 2020)

*AHA guide to the health care field: a guide to United States hospitals, health care systems, networks, alliances, health organizations, agencies, and providers. Chicago, IL: Healthcare InfoSource, annual. ISBN: \$425.00.

*AHA hospital statistics. Chicago, IL: Health Forum, annual. ISBN: 2020, \$283.00.

E.4.b - X.7 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - WEB SITES

(Updated Spring 2020)

PAI 2030: ASHP's Practice Advancement Initiative 2030. American Society of Health-System Pharmacists. URL: <http://ashp.org/Pharmacy-Practice/PAI>

American Society of Health System Pharmacists. Policy Positions and Guidelines. American Society of Health-System Pharmacists. URL: <http://www.ashp.org/bestpractices>

E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY (Updated Spring 2020)

Comprehensive accreditation manual for ambulatory care (CAMAC). Oak Brook, IL: Joint Commission on Accreditation of Healthcare Organizations, biennial. ISBN: 9781635851250. \$329.00; site license, \$999.00.

Comprehensive accreditation manual for hospitals (CAMH): the official handbook. Oak Brook, IL: Joint Commission on Accreditation of Healthcare Organizations, biennial. ISBN: 9781635851236. \$389.00; site license \$999.00.

Comprehensive accreditation manual for nursing care centers (CAMNCC). Oak Brook, IL: Joint Commission on Accreditation of Healthcare Organizations, biennial. ISBN: 9781635851335. \$329.00.

E.4.c HOME HEALTH CARE (Updated Fall 2020)

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RxList: the Internet drug index. URL: <http://www.rxlist.com>

MedlinePlus. Drugs, supplements and herbal information. National Library of Medicine and National Institutes of Health. URL: <http://www.nlm.nih.gov/medlineplus/druginformation.html>

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*Drug Topics red book. Montvale, NJ: Thomson PDR, annual. ISBN: 2007, \$76.95; monthly updates \$99.00.

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*Lacy, Charles; Armstrong, Lora L.; Goldman, Morton P., et al. Drug information handbook. Hudson, OH: Lexi-Comp, annual. ISBN: 27th ed., \$89.95; also available online.

X.2.c EVIDENCE-BASED PRACTICE (Updated Spring 2019)

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X.3 - X.7 LAWS, LEGISLATION, REGULATIONS, AND ETHICS - WEB SITES (Updated Spring 2019)

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X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS (Updated Spring 2019)

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X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN (Updated Spring 2018)

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X.4.a - X.7 QUALITY ASSURANCE - WEB SITES (Updated Spring 2018)

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X.4.a QUALITY ASSURANCE (Updated Spring 2018)

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X.5 - X.7 DIRECTORIES - WEB SITES (Updated Spring 2018)

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