

Basic Resources for Pharmacy Education

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A Service Project of the

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Basic Resources for Pharmacy Education is produced as a guide for those who manage library collections that serve colleges of pharmacy. This list contains recommendations for works to be included in pharmacy library collections. The books and other works recommended in the *Basic Resources* are suitable for all pharmacy college libraries, but all pharmacy college libraries need not purchase every title in the list. 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 using their professional judgment along with the expertise of the college's faculty. *Basic Resources*, therefore, 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.

Producing *Basic Resources* is a community effort. Each subject section is reviewed every three years by a contributor who makes suggestions for additions and deletions. Then, the editors compile the recommended additions and deletions for that 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. There are two review cycles each year so that two sets of sections are reviewed during the course of one year. Our goal is to review the entire list every three years and to publish *Basic Resources* semiannually. **Sections updated since the last (July 2019) edition are B.0 Pharmaceutical Sciences, D.3.f Pediatrics, E.0 Pharmaceutical Care, E.1.0 Health Care Policy, 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.d Cultural Competency**

We welcome volunteers, either to contribute to *Basic Resources* by reviewing sections or to serve on our advisory panel, or both. For more information about how the list is maintained or to volunteer to work on it, please contact Jason Guy (guyj@findlay.edu) or Ivan Portillo (iportillo@chapman.edu).

**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 THERAPEUTICS)

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

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/>

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

A.1 GENERAL CHEMISTRY

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.1 - X.2.b GENERAL CHEMISTRY - HANDBOOKS AND DICTIONARIES

CRC handbook of chemistry and physics. Boca Raton, FL: CRC, annual. ISBN: ISSN: 0147-6262.
\$229.95.

A.1 - X.7 GENERAL CHEMISTRY - WEB SITES

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

A.2 BIOCHEMISTRY

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

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

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

A.3 IMMUNOLOGY

O'hehir, Robyn E.; Holgate, Stephen T.; and Sheikh, Aziz. Middleton's allergy essentials. Philadelphia, PA: Elsevier, 2017. ISBN: 9780323375795. \$120.00.

O'hehir, Robyn E.; Holgate, Stephen T.; and Sheikh, Aziz. Middleton's allergy essentials. Philadelphia, PA: Elsevier, 2017. ISBN: 9780323375795. \$120.00.

Delves, Peter. J.; Martin, Seamus J.; Burton, Dennis R.; and Roitt, Ivan M. . Roitt's essential immunology. 13th. Hoboken, NJ: John Wiley & Sons, 2017. ISBN: 9781118415771. \$75.00.

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

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

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.

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

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.

*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.

*Adkinson, N. Franklin Jr.; Bochner, Bruce S.; Burks, A. Wesley, et al. Middleton's allergy: principles and practice. 8th. Philadelphia, PA: Saunders, 2014. ISBN: 9780323085939. \$379.00.

*Title recommended for first purchase

Murphy, Ken; and Weaver, Casey. Janeway's immunobiology. 9th. New York: Garland Science, Taylor & Francis Group, 2016. ISBN: 9780815345053. \$130.00.

A.4.0 MICROBIOLOGY

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.

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

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.

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

*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.

A.4.0 - X.4.0 MICROBIOLOGY-METHODOLOGY, STATISTICS AND RESEARCH DESIGN

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.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY

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

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

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

*Title recommended for first purchase

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

A.4.a - X.2.b MOLECULAR BIOLOGY AND BIOTECHNOLOGY - HANDBOOKS AND DICTIONARIES

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

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

B.0 - PHARMACEUTICAL SCIENCES

Pandit, Nita K.; 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

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

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

*Title recommended for first purchase

B.1 MEDICINAL CHEMISTRY

Wilson and Gisvold's textbook of organic medicinal and pharmaceutical chemistry. 12th. Baltimore: Lippincott Williams & Wilkins, 2011. ISBN: 9780781779296. \$92.50.

*Foye's principles of medicinal chemistry. 7th. Philadelphia: Lippincott Williams & Wilkins, 2013. ISBN: 9781609133450. \$92.95.

Lemke, Thomas L. Review of organic functional groups: introduction to medicinal organic chemistry. 5th. Philadelphia: Lippincott Williams & Wilkins, 2012. ISBN: 9781608310166. \$69.95.

Cairns, Donald. Essentials of pharmaceutical chemistry. 4th. London, England: Pharmaceutical Press, 2012. ISBN: 9780853699798. \$63.00.

*Burger's medicinal chemistry and drug discovery. 7th. Hoboken, NJ: Wiley, 2010. ISBN: 9780470278154. Vols. 1-8, \$2100.00.

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

Annual reports in medicinal chemistry. Boston: Academic, annual. ISBN: 2011, vol. 46, \$161.00.

B.1 - X.4.0 MEDICINAL CHEMISTRY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

Profiles of drug substances, excipients, and related methodology. Boston: Elsevier Academic, annual. ISBN: 9780122608339. Vol. 35 (2010), \$224.00, Vol. 33 (2008), \$215. Vols. 25-29 and 31-32 also available at \$215 each. 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

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

Harrold, Marc W. Basic concepts in medicinal chemistry [tutorial]. School of Pharmacy, Duquesne, 2001-. URL: <http://www.duq.edu/pharmacy/faculty/harrold/basic-concepts-in-medicinal-chemistry.cfm>

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

*Title recommended for first purchase

B.1. - X.1.a MEDICINAL CHEMISTRY - CLASSICS

Negwer, Martin. Organic-chemical drugs and their synonyms. 9th. New York: Wiley-VCH, 2007. ISBN: 3527319395. \$2850.00. Available online through Wiley (continuously updated)

B.2 PHARMACOGNOSY AND NATURAL PRODUCTS

*Trease and Evans' pharmacognosy. 16th. Edinburgh, Scotland: Saunders, 2009. ISBN: 9780702029332. \$129.00.

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

*Awang, Dennis V.C. Tyler's herbs of choice: the therapeutic use of phytomedicinals. 3rd Boca Raton: CRC Press, 2009. ISBN: 0789028093. \$132.95.

Hanson, Bryan. Understanding medicinal plants: their chemistry and therapeutic action. New York: Routledge, 2005. ISBN: 9780789015518. \$175.00.

Lam, Y. W. Francis; Huang, Shiew Mei; and Hall, Stephen D. Herbal Supplements – Drug Interactions: Scientific and Regulatory Perspectives. New York: Taylor and Francis, 2006. ISBN: 9780824725389. \$159.95.

Li, Jie Jack; and Corey, E.J. Total synthesis of natural products: at the frontiers of organic chemistry. Berlin: Springer, 2012. ISBN: 9783642340642 \$159.00.

Dermarderosian, Ara; and Beutler, John A. Review of natural products. 6th. St. Louis: Facts & Comparisons, 2010. ISBN: 1574393146. \$86.95. Available in a variety of formats.

Heinrich, Michael; Barnes, Joanne; Gibbons, Simon, et al. Fundamentals of pharmacognosy and phytotherapy. 2nd. Edinburgh: Churchill Livingstone, 2012. ISBN: 9780702033889. \$57.95.

Natural Standard. Herb & supplement guide: evidence based reference. St. Louis: Mosby, 2010. ISBN: 9780323072953. \$88.95

Tracy, Timothy S; and Kingston, Richard L. Herbal Products Toxicology and Clinical Pharmacology. 2nd. Totowa, New Jersey: Humana Press, 2007. ISBN: 9781588293138 \$249.00 and up depending on format

Colegate, Steven M.; and Molyneux, Russell J. Bioactive natural products: detection, isolation, and structural determination. Boca Raton, FL: CRC, 2007. ISBN: 9780849372582. \$275.00.

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.

*Title recommended for first purchase

B.2 - X.1.0 PHARMACOGNOSY AND NATURAL PRODUCTS - HISTORY

Duke's handbook of medicinal plants of the Bible. Boca Raton, FL: CRC Press, 2007. ISBN: 9780849382024. \$121.95.

Duke, James A. Herbs of the Bible: 2000 years of plant medicine. 2nd. Winona Lake, IN: Wendell Whitman, 2007. ISBN: 9781885653161. \$34.95.

B.2 - X.1.a PHARMACOGNOSY AND NATURAL PRODUCTS - CLASSICS

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

Von Reis, Siri; Lipp, Frank J., Jr. New plant sources for drugs and foods from the New York Botanical Garden herbarium. Cambridge, MA: Harvard, 1982. ISBN: 9780674617650. \$60.00.

Blumenthal, Mark; Goldberg, Alicia; and Brinckmann, Josef. Herbal medicine: expanded Commission E monographs. Newton, MA: Integrative Medicine Communications, 2000. ISBN: 9780967077239. \$39.95.

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

Huang, Kee Chang; and Williams, W. Michael. The pharmacology of Chinese herbs. 2nd. Boca Raton, FL: CRC Press, 1999. ISBN: 9780849316654. \$275.00.

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

Nigg, Herbert N.; Seigler, David. Phytochemical resources for medicine and agriculture. New York: Plenum, 1992. ISBN: 9780306442452. \$319.00.

Kayne, Steven. Homeopathic pharmacy: an introduction and handbook. 2nd. New York: Churchill Livingstone, 2006. ISBN: 9780443101601. o.p.

Dymock, William; Warden, C. J. H.; 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.

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

B.2 - X.2.b PHARMACOGNOSY AND NATURAL PRODUCTS - HANDBOOKS AND DICTIONARIES

AltMedDex system. Thomson MICROMEDEX, updated quarterly. MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available on CD-ROM and online. URL: <http://www.micromedex.com/products/altmeddexprotocols/>

Ross, Ivan A. Medicinal plants of the world: chemical constituents, traditional and modern medicinal uses. 2nd. Totowa, NJ: Humana, 2003-. ISBN: 9781588292810 (vol. 1); 9780896038776 (vol. 2); 9781588291295, (vol. 3). Vol. 1,3, \$199.00 each; vol. 2 \$229.00.

Mills, Edward; Dugoua, Jean-Jacques; Perri, Dan; Koren, Gideon. Herbal medicines in pregnancy and lactation: an evidence-based approach. Boca Raton, FL: Informa Healthcare, 2006. ISBN: 9780415373920. \$159.95.

*Khan, Ikhlas A; and Abourashed, Ehab A. Leung's encyclopedia of common natural ingredients used in food, drugs, and cosmetics. 3rd. New York: Wiley, 2010. ISBN: 9780471467434. \$159.00.

Duke, James A.; Bogenschulz-Godwin, Mary Jo; Duke, Peggy-Ann K. Handbook of medicinal herbs. 2nd. Boca Raton, FL: CRC, 2002. ISBN: 9780849312847. \$309.00.

Wichtl, Max. Herbal drugs and phytopharmaceuticals: a handbook for practice on a scientific basis. 3rd rev. Boca Raton, FL: CRC Press, 2004. ISBN: 9780849319617. \$324.95.

Duke, James A.; 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.

Leung, Albert Y.; Foster, Steven. Encyclopedia of common natural ingredients used in food, drugs, and cosmetics. 2nd. New York: Wiley, 2003. ISBN: 9780471471288. o.p.

B.2 - X.2.b PHARMACOGNOSY AND NATURAL PRODUCTS - HANDBOOKS AND DICTIONARIES - CLASSICS

Tyler's honest herbal: a sensible guide to the use of herbs and related remedies. 4th. New York: Routledge, 1999. ISBN: 9780789007056. \$64.95.

B.2 - X.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

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. \$169.95.

*Title recommended for first purchase

B.2 - X.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN - CLASSICS

Wagner, Hildebert H.; Bladt, 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

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

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

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

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.3.0 PHARMACEUTICS

*Ansel's pharmaceutical dosage forms and drug delivery systems. 10th. Baltimore: Wolters Kluwer Health, 2014. ISBN: 9781451188769. \$85.99.

Aulton's pharmaceuticals: the design and manufacture of medicines. 5th. Edinburgh, Scotland: Churchill Livingstone, 2017. ISBN: 9780702042904. \$80.95

*Allen, Loyd V., Jr. The art, science and technology of pharmaceutical compounding. 5th. Washington: American Pharmacists Association, 2016. ISBN: 9781582122632. \$103.95.

Demetzos, Costas. Pharmaceutical nanotechnology: fundamentals and practical applications. Auckland, New Zealand: Adis International Limited, 2016. ISBN: 9789811007903. \$79.99.

*Trissel's stability of compounded formulations. 5th. Washington, DC: American Pharmacists Association, 2012. ISBN: 9781582121673. \$155.95.

*Rowe, Raymond C.; Sheskey, Paul J.; Cook, Walter G.; Fenton, Marian E. Handbook of pharmaceutical excipients. 8th. Gurnee, IL: Pharmaceutical Press, 2017. ISBN: 9780857110275. \$555.00.

*Albrecht, Linda S. Understanding pharmacy calculations. 2nd. Washington, DC: American Pharmacists Association, 2012. ISBN: 9781582120959. \$51.95.

*Title recommended for first purchase

Marriott, John F.; Wilson, Keith A.; Langley, Christopher A.; Belcher, Dawn. Pharmaceutical compounding and dispensing. 2nd. London: Pharmaceutical Press, 2010. ISBN: 9780853699125. \$65.00.

Felton, Linda A. Remington: essentials of pharmaceuticals. Philadelphia: Philadelphia College of Pharmacy, 2013. ISBN: 9780857111050. \$69.00.

*Martin's physical pharmacy and pharmaceutical sciences: physical chemical and biopharmaceutical principles in the pharmaceutical sciences. 7th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781451191455. \$99.99.

*Ansel, Howard C. Pharmaceutical calculations. 15th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781496300713. \$94.99.

Florence, Alexander T.; Siepmann, Jurgen. Modern pharmaceuticals. 5th. New York: Dekker, 2008. ISBN: 9781420065701. \$283.00.

Teixeira, Maria Glauca; and Zatz, Joel L. Pharmaceutical calculations. 5th. New York: Wiley-Interscience, 2017. ISBN: 9781118978511. \$79.95.

Florence, Alexander T ; and Attwood, David. Physicochemical principles of pharmacy: in manufacture, formulation and clinical use. 6th. London: Pharmaceutical Press, 2016. ISBN: 9780857111746. \$69.99.

Mitra, Ashim K; Lee, Chi H; and Cheng, Kun. Advanced drug delivery. Hoboken, N.J.: Wiley, 2014. ISBN: 9781118022665. \$125.00.

Amiji, Mansoor; Cook, Thomas J; and Mobley, W. Cary. Applied physical pharmacy. 2nd. New York: McGraw-Hill, 2014. ISBN: 9780071747509. \$72.00.

Rees, Judith A; Smith, Ian; and Watson, Jennie. Introduction to pharmaceutical calculations. 4th. London: Pharmaceutical Press, 2015. ISBN: 9780857111685. \$46.00.

B.3.0 - X.1a PHARMACEUTICS - CLASSICS

Augsburger, Larry L.; Hoag, Stephen W. Pharmaceutical dosage forms: tablets. 3rd. New York: Informa Healthcare, 2008. ISBN: 9781420063455. \$549.95.

B.3.0 - X.7 PHARMACEUTICS - WEB SITES

International Academy of Compounding Pharmacists. International Academy of Compounding Pharmacists. URL: <http://www.iacprx.org/>

Shrewsbury, Robert. Pharmaceuticals and compounding laboratory. School of Pharmacy, University of North Carolina, 1999. URL: <http://pharmlabs.unc.edu/>

*Title recommended for first purchase

*Orange book: Approved drug products with therapeutic equivalence evaluations. Food and Drug Administration, 2008. URL: <http://www.fda.gov/cder/orange/default.htm>

B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS

*Shargel, Leon; Yu, Andrew. Applied biopharmaceutics and pharmacokinetics. 7th. New York: McGraw-Hill, 2015. ISBN: 9780071830935. \$75.00.

Jensen, Knud. Peptide and protein design for biopharmaceutic applications. Oxford, England: Wiley-Blackwell, 2009. ISBN: 9780470319611. \$155.00.

Winter, Michael E. Basic clinical pharmacokinetics. 5th. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9780781779036. \$84.99.

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

Arnold, Renee J. G. Pharmacoeconomics: from theory to practice. Boca Raton, FL: CRC Press, 2009. ISBN: ISBN-9781420084221. \$119.95.

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

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.

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.

B.3.a - X.1.a BIOPHARMACEUTICS AND PHARMACOKINETICS - CLASSICS

Testa, Bernard; Jenner, Peter. Drug metabolism: chemical and biochemical aspects. Reprint. Ann Arbor: Books on Demand, UMI, 1976. ISBN: 9780783722061. \$160.60.

B.3.a - X.4.0 BIOPHARMACEUTICS AND PHARMACOKINETICS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

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

*Title recommended for first purchase

B.3.a - X.7 BIOPHARMACEUTICS - WEB SITES

The Biopharmaceutics Classification System (BCS) guidance. U.S. Food and Drug Administration.
URL:
<https://www.fda.gov/aboutfda/centersoffices/officeofmedicalproductsandtobacco/cder/ucm128219.htm>

B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT

*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.

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

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

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

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.

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

Smith, Dennis A.; Allerton, Charlotte; Kalgutkar, Amit S.; Van De Waterbeemd, Han; Walker, Don K. Pharmacokinetics and metabolism in drug design. 3rd. New York: Wiley, 2012. ISBN: 9783527329540. \$155.00; also available as ebook.

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

*Title recommended for first purchase

B.4.0 - X.1.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT - HISTORY

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

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

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

B.5.0 INDUSTRIAL

*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.5.0 - X.1.a INDUSTRIAL - CLASSICS

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

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

B.5.0 - X.4.a INDUSTRIAL - QUALITY ASSURANCE

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

Digital PMD: Pharmaceutical marketers directory. New York: PMD/Haymarket Media, annual. ISBN: 978-0013373094. \$448.00 (2019).

B.5.0 - X.7 INDUSTRIAL - WEB SITES

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

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

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

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

B.6.0 COSMETICS

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

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

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

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

B.6.0 - X.2.b COSMETICS - HANDBOOKS AND DICTIONARIES

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

Michalun, M. Varinia; and Dinardo, Joseph C. . Milady's skin care and cosmetic ingredients dictionary. 4th. Clifton Park, NY: Milady, 2015. ISBN: 9781285060798. \$57.95.

*Title recommended for first purchase

B.7.0 NUCLEAR AND RADIOPHARMACY

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

*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.; Hockley, Brian G. Radiopharmaceuticals for positron emission tomography. Hoboken, NJ: Wiley, 2011. ISBN: 9780470588956. \$137.00.

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

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.

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

B.7.0 - X.2.b NUCLEAR AND RADIOPHARMACY - HANDBOOKS AND DICTIONARIES

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

B.8.0 PHARMACOLOGY

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

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

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

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

*Title recommended for first purchase

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

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.

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

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

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

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

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

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

B.8.0 - X.1.a PHARMACOLOGY - CLASSICS

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

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

B.8.0 - X.7 PHARMACOLOGY - WEB SITES

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/>

*Title recommended for first purchase

B.8.a.0 TOXICOLOGY

- Kacew, Sam; Lee, Byung-Mu. 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. .
- *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. .
- Hayes, A. Wallace. Hayes principles and methods of toxicology. 6th. Boca Raton, FL: CRC Press, 2014. ISBN: 9781842145364. \$182.00; also available as ebook. .
- Stine, Karen E. ; andBrown, Thomas M. Principles of toxicology. 3rd. Boca Raton, FL: CRS Press, 2014. ISBN: 9781466503434. \$96.95; also available as ebook.
- *Olson, Kent R.; Anderson, Ilene; Benowitz, Neal; Blanc, Paul; Clark, Richard; Kearney, Thomas; Kim-Katz, Susan; Wu, Alan. Poisoning and drug overdose. 7th. New York: McGraw-Hill Professional, 2018. ISBN: 9780071839792. \$94.95; 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.
- 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.
- Pelkonen, Olavi ; Duez, Pierre ; Vuorela, Pia Maarit , et al. Toxicology of herbal products. Switzerland: Springer, 2017. ISBN: 9783319438061. \$219.99; also available as ebook.
- Marcus, Steven M. Medical toxicology: antidotes and anecdotes. Switzerland: Springer, 2017. ISBN: 9783319510293. \$29.99; also available as ebook.
- 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.; andWood, David M. Novel psychoactive substances: classification, pharmacology and toxicology. London, England: Academic Press; 2013.
- *Nelson, Lewis; Lewin, Neal; Howland, Mary Ann; Hoffman, Robert; Goldfrank, Lewis; Flomenbaum, Neal. Goldfrank's toxicologic emergencies. 11th. New York: McGraw-Hill Professional, 2019. ISBN: 9781259859618. \$275.00.
- Wilhelm, Klaus-Peter; Zhai, Hongbo; Maibach, Howard I. Dermatotoxicology. 8th. Boca Raton, FL: Informa Healthcare, 2012. ISBN: 9781841848556. \$279.95.

B.8.a.0 - X.2.b TOXICOLOGY - HANDBOOKS AND DICTIONARIES

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

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

Derelanko, Michael J.; 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

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

Moffat, Anthony C.; Osselton, M. David; Widdop, Brian; Watts, Jo. 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

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>

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

B.8.a.0 - X.7 TOXICOLOGY - WEB SITES

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

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>

B.8.a.0 TOXICOLOGY - CLASSICS

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

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

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

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

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

*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. .

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

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

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. .

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

*Title recommended for first purchase

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

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. .

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: mechanisms and models of drug interactions. 4th. Cham, Switzerland: Humana, 2018. ISBN: 9783319724225. \$125.00; also available as ebook. .

Tisdale, James E.; 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. .

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

*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: ISSN: 0378-6080. vol 41 (2019) \$343.00.

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

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

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

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

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

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/>

*Title recommended for first purchase

Foucher, Pascal; 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/>

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

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

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

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

B.8.b VETERINARY PHARMACOLOGY

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

Wanamaker, Boyce P.; Massey, Kathy Lockett. Applied pharmacology for veterinary technicians. 5th. St. Louis: Elsevier Saunders 0323186629. \$74.95, 2015. ISBN: 0323186629. \$78.95.

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

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

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

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

B.8.b - X.2.b VETERINARY PHARMACOLOGY - HANDBOOKS AND DICTIONARIES

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

*Title recommended for first purchase

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

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

B.9 PHARMACOGENETICS & PHARMACOGENOMICS

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

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

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

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.

*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.

B.9 - X.2.a PHARMACOGENETICS & PHARMACOGENOMICS - HANDBOOKS AND DICTIONARIES

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

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

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

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

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

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

*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>

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

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>

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

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>

C.1 ANATOMY AND PHYSIOLOGY

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

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

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

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

*Title recommended for first purchase

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

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

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

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

D.0 – X.7 CLINICAL SCIENCES – WEB SITES

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

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

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

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

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

National Guideline Clearinghouse. National Library of Medicine. URL: <https://www.guideline.gov> Free

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

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

D.1 PATHOPHYSIOLOGY

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

McPhee, Stephen; Hammer, Gary. Pathophysiology of disease: an introduction to clinical medicine. 7th. New York: McGraw-Hill Education, 2014. ISBN: 9780071806008. \$80.00

*Title recommended for first purchase

*Kumar, Vinay; Abbas, Abul; Aster, Jon. Robbins and Cotran pathologic basis of disease. 9th. Philadelphia, PA: Elsevier Saunders, 2015. ISBN: 9781455726134. \$125.00.

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

D.2 PATIENT PHYSICAL ASSESSMENT

Seidel's guide to physical examination. 8th. Philadelphia, PA: Elsevier/Mosby, 2015. ISBN: 9780323112406. \$126.00.

Herrier, Richard; Apgar, David; Boyce, Robert; Foster, Stephen. . Patient Assessment in Pharmacy. New York, NY: McGraw-Hill Education, 2015. ISBN: 9780071751940. \$64.00. Also available in e-book format by subscription to Access Pharmacy, <http://accesspharmacy.mhmedical.com/> .

*Swartz, Mark H. Textbook of physical diagnosis: history and examination. 7th. Philadelphia: Elsevier Saunders, 2014. ISBN: 9780323221481. \$110.00.

Bickley, Lynn S. . Bates' guide to physical assessment. 12th ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2017. ISBN: 9781469893419. \$129.99. Also available in e-book format by subscription to LWW Health Library, <http://lwwhealthlibrary.com>.

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

*Jones, Rhonda M. Patient assessment in pharmacy practice. 3rd. Philadelphia: Wolters Kluwe, 2015. ISBN: 9781451191653. \$89.99. Also available in e-book format by subscription to LWW Health Library, <http://lwwhealthlibrary.com> .

Jarvis, Carolyn. Physical examination and health assessment. 7th. St. Louis: Elsevier/Saunders, 2016. ISBN: 9781455728107. \$100.57.

D.3.0 THERAPEUTICS

*Porter, Robert S. Merck manual of diagnosis and therapy. 20th. Hoboken, NJ: John Wiley & Sons, Inc, 2018. ISBN: 9780911910421. \$79.95.

Warrell, David A.; Cox, Timothy M.; Firth, John D.; Benz, Edward J., Jr.; Weatherall, David. Oxford textbook of medicine. 5th. New York: Oxford, 2010. ISBN: 9780199204854. 3-vol. set, \$730.00.

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

*Title recommended for first purchase

Zipes, Douglas P.; Libby, Peter; Bonow, Robert O.; Mann, Douglas L.; Tomaselli, Gordon F. Braunwald's heart disease: a textbook of cardiovascular medicine. 11th. Philadelphia: Elsevier Saunders, 2018. ISBN: 9780323463423. 2-vol. set, \$279.99

*Jameson, J. Larry; Fauci, Anthony S., Kasper, Dennis L., Hauser, Stephen L., Longo, Dan L., Loscalzo, Joseph. Harrison's principles of internal medicine. 20th. New York: McGraw-Hill, 2018. ISBN: 9781259644030. \$249.00.

Skorecki, Karl; Chertow, Glenn; Marsden, Philip; Taal, Maarten; Yu, Alan. Brenner & Rector's the kidney. 10th. Philadelphia: Elsevier/Saunders, 2015. ISBN: 9781455748365. Print plus eBook, \$498.99.

Kellerman, Rick D.; Bope, Edward T. Conn's current therapy. Philadelphia: Saunders, annual. ISBN: 9780323527699. \$99.99

Habif, Thomas P. Clinical dermatology: a color guide to diagnosis and therapy. 6th. Philadelphia, PA: Elsevier/Saunders, 2016. ISBN: 9780323261838. \$189.99.

Aronoff, George R.; Bennett, William M.; Berns, Jeffrey S.; Brier, Michael E.; Kasbekar, Nishaminy; Mueller, Bruce A.; Pasko, Deborah A.; Smoyer, William E. Drug prescribing in renal failure: dosing guidelines for adults and children. 5th. Philadelphia: American College of Physicians, 2007. ISBN: 9781930513761. \$56.95.

Wein, Alan J.; Kavoussi, Louis R.; Partin, Alan W.; Peters, Craig A. Campbell-Walsh urology. 11th. Philadelphia: Elsevier/Saunders, 2016. ISBN: 9781455775675. 4-vol. set \$549.99.

Stone, C. Keith; Humphries, Roger L. Current diagnosis and treatment emergency medicine. 8th. New York: McGraw-Hill, 2017. ISBN: 9780071840613. \$77.00.

Kang, Sewon; Amagai, Masayuki; Bruckner, Anna L. Fitzpatrick's dermatology in general medicine. 9th. New York: McGraw-Hill, 2019. ISBN: 9780071867798. \$529.00.

*Dipiro, Joseph; Talbert, Robert L.; Yee, Gary C.; Matzke, Gary R.; Wells, Barbara G.; Posey, L. Michael. Pharmacotherapy: a pathophysiologic approach. 10th. New York: McGraw-Hill, 2016. ISBN: 9780071800532. \$229.00.

*Zeind, Caroline S.; Carvalho Mg. Applied therapeutics: the clinical use of drugs. 11th. Philadelphia: Lippincott Williams & Wilkins, 2017. ISBN: 9781496318299. \$219.99.

Cunningham, F. Gary; Leveno, Kenneth J., Bloom, Steven L. Williams obstetrics. 25th. New York: McGraw-Hill, 2018. ISBN: 9781259644320. \$195.00.

*Chisholm-Burns Marie A, Schwinghammer Terry L, Malone Patrick M, Kolesar Jill M, Lee Kelly C, Bookstaver P Brandon. Pharmacotherapy: principles & practice. 5th. New York: McGraw-Hill Medical, 2019. ISBN: 9781260019445. \$127.00.

*Bennett, John E.; Dolin, Raphael; and Blaser, Martin J. Mandell, Douglas, and Bennett's principles and practice of infectious diseases. 8th. Philadelphia: Elsevier/Saunders, 2015. ISBN: 9781455748013. \$449.00.

Schwinghammer, Terry L.; Koehler, Julia M., Borchert, Jill S., Slain, Douglas; Park, Sharon K. Pharmacotherapy casebook: a patient-focused approach. 10th. New York: McGraw-Hill, 2016. ISBN: 9781259640919. \$58.00.

*Title recommended for first purchase

D.3.a GERIATRICS

Hazzard's geriatric medicine and gerontology. 6th. New York: McGraw-Hill, 2009. ISBN: 9780071488723. \$252.78.

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

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

D.3.a - X.2.b GERIATRICS - HANDBOOKS AND DICTIONARIES

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

D.3.a - X.7 GERIATRICS - WEB SITES

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

D.3.b NEUROLOGY

*Adams & Victor's principles of neurology. 10th. New York: McGraw-Hill, 2014. ISBN: 9780071794794. \$203.00.

Bonica's management of pain. 4th. Baltimore, MD: Williams & Wilkins, 2010. ISBN: 9780781768276. \$319.99.

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

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

Rowland, Lewis P.; Pedley, Timothy A.; Merritt, H. Houston. Merritt's neurology. 13th. Philadelphia: Wolters Kluwer Lippincott Williams & Wilkins, 2016. ISBN: 9781451193367. \$184.99.

*Title recommended for first purchase

Benzon, Honorio T., Md; Rathmell, James P., Md; Wu, Christopher L., Md; Turk, Dennis C., Phd; Argoff, Charles E., Md; Hurley, Robert W., Md, Phd. Practical management of pain. 5th. Philadelphia: Elsevier, 2014. ISBN: 9780323083409. \$245.00.

Waxman, Stephen. Clinical neuroanatomy. 27th. New York: McGraw-Hill Medical, 2013. ISBN: 9780071797979. \$62.00.

Nestler, Eric J.; Hyman, Steven E.; Malenka, Robert C. Molecular neuropharmacology: a foundation for clinical neuroscience. 3rd. New York: McGraw-Hill Companies, Inc., 2015. ISBN: 9780071827690. \$78.00.

D.3.c NUTRITION AND NUTRACEUTICALS

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

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

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

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

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

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

Ross, A. Catharine; Caballero, Benjamin; Cousins Robert J.; Tucker, Katherine L.; Ziegler, Thomas R. Modern nutrition in health and disease. 11th. Baltimore: Lippincott Williams & Wilkins, 2014. ISBN: 9781605474618. \$204.99.

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

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

D.3.c - X.1.a NUTRITION AND NUTRACEUTICALS -CLASSICS

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

*Title recommended for first purchase

D.3.c - X.7 NUTRITION AND NUTRACEUTICALS - WEB SITES

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

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

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

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

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

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

D.3.d ONCOLOGY AND HEMATOLOGY

Abeloff's clinical oncology. 5th. New York: Churchill Livingstone, 2013. ISBN: 9781455728657. \$399.00.

Mendelsohn, John; Howley, Peter; Israel, Mark; Gray, Joe; Thompson, Craig. The molecular basis of cancer. 4th. Philadelphia: Saunders, 2014. ISBN: 9781455740666. \$218.00.

Williams hematology. 8th. New York: McGraw-Hill, 2010. ISBN: 9780071621519. \$275.00.

Hoffman, Ronald; Furie, Bruce; Mcglave, Philip; Silberstein, Leslie E.; Shattil, Sanford J.; Benz, Edward J., Jr.; Heslop, Helen. Hematology: basic principles and practices. 6th. Philadelphia: Churchill-Livingstone, 2012. ISBN: 9781437729283. \$415.00.

Devita, Hellmann, and Rosenberg's cancer: principles and practice of oncology. 10th. Philadelphia: Lippincott Williams & Wilkins, 2014. ISBN: 9781451192940. \$349.99.

Perry, Michael C. Perry's The chemotherapy source book. 5th. Philadelphia: Lippincott Williams & Wilkins, 2012. ISBN: 9781451101454. \$99.95.

Wintrobe's clinical hematology. 13th. Philadelphia: Lippincott Williams & Wilkins, 2013. ISBN: 9781451172683. 394.99.

*Title recommended for first purchase

D.3.e PARENTERALS

- *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.
- *Phelps, Stephanie J.; Hak, Emily B.; 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 Dianne. Manual of I.V. therapeutics. 6th. Philadelphia: F.A. Davis, 2014. ISBN: 9780803638464. \$46.95.
- *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.

D.3.f PEDIATRICS

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

D.3.f - X.2.b PEDIATRICS - HANDBOOKS AND DICTIONARIES

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

D.3.g PSYCHIATRY

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

*Title recommended for first purchase

Stahl, Stephen M. 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.

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

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.

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

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

D.3.g - X.2.b PSYCHIATRY - HANDBOOKS AND DICTIONARIES

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

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

D.3.h SUBSTANCE ABUSE

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

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

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

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

*Title recommended for first purchase

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

D.3.h - X.2.b SUBSTANCE ABUSE - HANDBOOKS AND DICTIONARIES

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

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

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

D.3.h - X.7 SUBSTANCE ABUSE - WEB SITES

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

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

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

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

D.3.i SURGERY

Miller's anesthesia. 8th. Philadelphia, PA: Saunders, 2014. ISBN: 9780702052835. \$449.00. .

Kaye, Alan David; Kaye, Adam; Urman, Richard D., Eds. Essentials of pharmacology for anesthesia, pain management, and critical care. New York; Heidelberg: Springer, 2014. ISBN: 9781461489474. \$199.00.

Gupta, Anita; Singh-Radcliff, Nina. Pharmacology in Anesthesia Practice. New York: Oxford University Press, 2013. ISBN: 9780199782673. \$41.66.

*Title recommended for first purchase

Barash, Paul G.; Cahalan, Michael K.; Cullen, Bruce F.; Stock, M. Christine; Stoelting, Robert K.; Ortega, Rafael; Sharar, Sam R.; Holt, Natalie. Clinical Anesthesia. 8th. Philadelphia: Wolters Kluwer, 2017. ISBN: 9781496337009. \$131.09.

Hemmings, Hugh C.; Egan Talmage D. Pharmacology and Physiology for Anesthesia: Foundations and Clinical Application. Philadelphia: Elsevier Saunders; 2013.

Shafer, Steven L.; Rathmell, James P.; and Flood, Pamela Stoelting's pharmacology and physiology in anesthetic practice. 5th. Philadelphia: Wolters Kluwer Health, 2015. ISBN: 9781605475509. \$169.99.

D.3.j Pregnancy and Lactation

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

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

*Briggs, Gerald G.; 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.

D.4 ALTERNATIVE MEDICINE

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

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

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

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

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

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

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.

*Title recommended for first purchase

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

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

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

D.4 - X.7 ALTERNATIVE MEDICINE - WEB SITES

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

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

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

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

Cipolle, Robert J.; Strand Linda M.; Morley Peter C. 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.; Schommer, Jon. Social and behavioral aspects of pharmaceutical care. 3rd. Dubuque, IA: Kendall Hunt, 2016. ISBN: 9781465252579. \$105.

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

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/>

*Title recommended for first purchase

E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES

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

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

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

E.1.a EPIDEMIOLOGY

*Gordis, Leon. Epidemiology. 5th. Philadelphia: Elsevier Saunders, 2014. ISBN: 9781455737338. \$52.95.

Hebel, J. Richard; Mccarter, Robert J. A study guide to epidemiology and biostatistics. 7th. Sudbury, MA: Jones and Bartlett, 2012. ISBN: 9781449604752. \$100.95.

*Strom, Brian L.; Kimmel, Stephen E. Textbook of pharmacoepidemiology. 2nd. New York: Wiley, 2013. ISBN: 9781118344866. \$79.95.

Fletcher, Robert H.; Fletcher, Suzanne W. Clinical epidemiology: the essentials. 5th. Riverwoods,IL: Wolters Kluwer Health, 2012. ISBN: 9781451144475. \$59.99.

E.1.a - X.7 EPIDEMIOLOGY - WEB SITES

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

E.1.a -X.1.a. EPIDEMIOLOGY - CLASSICS

Yang, Yi; West-Strum, Donna. Understanding pharmacoepidemiology. New York: McGraw-Hill Medical, 2011. ISBN: 9780071635004. \$45.00.

*Title recommended for first purchase

E.1.b PHARMACOECONOMICS

Arnold, J. G. Renee. Pharmacoeconomics: from theory to practice. Boca Raton, FL: CRC Press, 2009. ISBN: 9781420084221. \$129.95.

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

Rascati, Karen. Essentials of pharmacoeconomics. 2nd. Philadelphia: Lippincott, Williams and Wilkins, 2013. ISBN: 9781451175936. \$79.99.

Mackinnon Iii, George E. Understanding health outcomes and pharmacoeconomics. Burlington, MA: Jones & Bartlett Learning, 2013. ISBN: 9780763770990. \$98.95.

E.1.b - X7 PHARMACOECONOMICS - WEB SITES

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

E.2.0 PATIENT-RELATED ACTIVITIES

Griffith's instructions for patients. 8th. Philadelphia: Elsevier Saunders, 2011. ISBN: 9781437709094. \$95.95. eBook available.

Stewart, Melissa. Art and science of patient education for health literacy. Philadelphia: Elsevier Health Sciences, 2019. ISBN: 9780323609081. \$64.95. eBook Available

Falvo, Donna R. Effective patient education: a guide to increased adherence. 4th. Boston: Jones and Bartlett, 2011. ISBN: 9780763766252. \$193.95. eBook available.

Hojat, Mohammadreza. Empathy in health professions education and patient care. Springer, 2016. ISBN: 9783319276250. \$99.99. eBook Available.

Haddad, Amy; Doherty, Regina; Purtilo, Ruth. Health professional and patient interaction. 9th. Philadelphia: Elsevier Health Sciences, 2019. ISBN: 9780323533621. \$72.95. eBook Available.

Bennet, Marialice. How to implement the pharmacists' patient care process. San Antonio: American Pharmacists Association, 2015. ISBN: 9781582122564. \$19.95. eBook Available.

Silverman, Jonathan; Kurtz, Suzanne; Draper, Juliet. Skills for communicating with patients. 3rd. London: Radcliffe, 2013. ISBN: 9781846193651. \$59.95.

*Title recommended for first purchase

Rosengren, David B. Building motivational interviewing skills: a practitioner workbook. 2nd. New York: Guilford, 2018. ISBN: 9781462532063. \$50.00. eBook Available.

Tietze, Karen J. Clinical skills for pharmacists: a patient-focused approach. 3rd. St. Louis: Elsevier Mosby, 2012. ISBN: 9780323077385. \$91.95. eBook Available.

Medlineplus. Patient education material, handouts, videos. National Library of Medicine and National Institutes of Health. URL: <https://medlineplus.gov/>

Berger, Bruce A.; Villaume, William A. Motivational interviewing for health care professionals: a sensible approach. Washington: American Pharmacists Association, 2013. ISBN: 9781582121802. \$43.95. eBook Available.

E.2.a DISEASE STATE MANAGEMENT

Nuovo, Jim. Chronic disease management. New York: Springer, 2007. ISBN: 9780387329277. \$99.00.

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

Helms, Richard; Quan, David. Textbook of therapeutics: drug and disease management. 8th. Philadelphia, PA: Lippincott Williams & Wilkins, 2011 ISBN: 9780781757348 \$48.26.

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

Randall, Michael D.; Neil, Karen E. Disease management: a guide to clinical pharmacology. 3rd. London, England: Pharmaceutical Press, 2016. ISBN: 9780857112095. \$79.99.

Kohlstadt, Ingrid. Advancing medicine with food and nutrients. 2nd. New York: CRC Press, 2012. ISBN: 9781439887721. \$180.00.

*Blenkinsopp, Alison; Paxton, Paul; Blenkinsopp, John. Symptoms in the pharmacy; a guide to the management of common illness. 8th. Malden, MA: Wiley-Blackwell, 2018. ISBN: 9781119317968. \$59.95.

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

Physician's desk reference for nonprescription drugs and dietary supplements. 27th. Montvale, NJ: Thomson PDR, 2005. ISBN: 9781563635305. 2004, \$58.95. Also available with the PDR Electronic Library on CD-ROM and on the Internet.

*Title recommended for first purchase

*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

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.; Muteithia, Ivy. Career Paths in Industry and Population Health: An ASHP eReport. 2017. ISBN: 978585285891. \$11.00. eBook Available.

Bookstaver, P. Brandon; Rudisill-Caulder, Celeste; Smith, Kelly M.; Quidley, April D. 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.

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.

Boyle, Jaclyn; King, Benjamin; Czenkner, Rayna; Wolfe, Lauren; Lamb, Margaret; Drinsky Daniel. Career paths in community pharmacy: an ASHP eReport. 2015. ISBN: 9781585285228. \$9.95.

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

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

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

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

Miller, M. Getting Started in a Pharmacy Residency. Washington DC: American Pharmacists Association, 2013. ISBN: 9781582121550. \$35.95. eBook Available.

E.3.a COMMUNICATION SKILLS

- Berger, Bruce A. Communication skills for pharmacists: building relationships, improving patient care. 3rd. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121321. \$42.95.
- Bennett, Marialice; Kliethermes, Mary Ann. How to implement the pharmacists' patient care process. Washington, D.C: American Pharmacists Association, 2015. ISBN: 9781582122564. \$19.95. eBook Available.
- *Beardsley, Robert S.; Skrabal, Maryann Z.; Kimberlin, Carole L. Communication skills in pharmacy practice: a practical guide for students and practitioners. 7th. Philadelphia: Wolter Kluwer, 2020. ISBN: 9781975105419. \$64.99.
- Kisch, Glenn. L.; Moody, Ashley E. Essential Spanish for pharmacy. Washington, DC: American Pharmacists Association, 2015. ISBN: 9781582122380. \$15.95. eBook Available.
- 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. eBook Available.
- 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.

E.3.b EDUCATION

- McKeachie's teaching tips: strategies, research, and theory for college and university teachers. 14th. Belmont, CA: Wadsworth, 2014. ISBN: 9781133936794. \$99.95.
- Barkley, Elizabeth F.; Cross, Patricia K.; Major, Claire Howell. Collaborative learning techniques: a handbook for college faculty. 2nd. San Francisco: Jossey-Bass, 2014. ISBN: 9781118761557. \$45.00.
- Banta, Trudy W. Building a scholarship of assessment. San Francisco: Jossey-Bass, 2010. ISBN: 9780470623077. \$48.00. eBook Available.
- Cuellar, Lourdes M.; Ginsburg, Diane B. Preceptor's handbook for pharmacists. 4th. Bethesda, MD: American Society of Health-System Pharmacists, 2019. ISBN: 9781585284955. \$65.00.
- King, Patricia; 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.

*Title recommended for first purchase

- 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 e-book.
- Michaelsen, Larry K.; Knight, Arletta Bauman; Fink, L. Dee. Team-based learning: a transformative use of small groups in college teaching. Sterling, VA: Stylus, 2004. ISBN: 9781579220860. \$32.00.
- Hall, Gary D.; Reiss, Barry S. Lange Q&A pharmacy. 10th. New York: McGraw Hill Professional, 2011. ISBN: 9780071740678. \$61.00; also available as an e-book.
- 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.
- Angelo, Thomas A.; Cross, K. Patricia. Classroom assessment techniques; a handbook for college teachers. 2nd. San Francisco: Jossey-Bass, 1994. ISBN: 9781555425005. \$54.00.
- Brown, Peter C.; Roediger III, Henry L.; McDaniel, Mark A. Make it stick: the science of successful learning. Belknap Press, 2014. ISBN: 9780674729018. \$30.00. eBook Available.
- Harmon, Robin. Handbook of pharmacy health education. 2nd. London, England: Pharmaceutical Press, 2001. ISBN: 9780853694717. \$65.00.
- Soric, Mate M.; Schneider, Stacey R.; Wisneski, Scott S. The effective pharmacy preceptor. Bethesda, MD: American Society of Health-System Pharmacists, 2017. ISBN: 9781585285549. \$39.00. eBook Available.
- Sylvia, Lynne M.; Barr Judith T. Pharmacy education: what matters in learning and teaching. Sudbury, MA: Jones and Bartlett Learning, 2011. ISBN: 9780763773977. \$111.95. eBook Available.
- Anderson, Lorin W.; Krathwohl, David R.; Airasian, Peter W.; Cruikshank, Kathleen A.; Mayer, Richard E.; Pintrich, Paul R.; Rath, James; Wittrock, Merlin C. A taxonomy for learning, teaching and assessing: a revision of Bloom's taxonomy of educational objectives. New York: Longman, 2000. ISBN: 9780801319037. \$99.60.
- Roblyer, Margaret D. Integrating educational technology into teaching. 8th. Boston: Pearson/Allyn and Bacon, 2019. ISBN: 9780134746418. \$93.32. eBook Available.

E.3.b - X.1.0 EDUCATION - HISTORY

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

E.3.b - X.1.a EDUCATION - CLASSICS

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.

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.

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).

E.3.b - X.7 EDUCATION - WEB SITES

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

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

E.3.c INTERPROFESSIONAL EDUCATION

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

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

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.

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.

*Title recommended for first purchase

*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; free pdf version

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

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

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.

E.3.c - X.7 INTERPROFESSIONAL EDUCATION - WEB SITES

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

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

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

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

E.3.d CULTURAL COMPETENCY

Smith, Patricia. Disability and Culture: An international and Inter-professional perspective. Champaign, IL: Common Ground Publishing, 2015. ISBN: 9781612299433. \$40.00.

*White, Joseph L. ; and Henderson, Sheila J. Building multicultural competency: Development, training, and practice. Lanham, MD: Rowman & Littlefield Publishers, 2008. ISBN: 9780742564206. \$79.00.

*Galanti, Geri-Ann. Caring for patients from different cultures. 5th. Philadelphia: University of Pennsylvania Press, 2014. ISBN: 9780812223118. \$22.50.

Martin, Marcus L.; Heron, Sheryl L.; Moreno-Walton, Lisa; Jones, Anna W. Diversity and Inclusion in Quality Patient Care. New York: Springer, 2016. ISBN: 9783319228396. \$129.00.

*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.

*Title recommended for first purchase

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.

Waugh, Earle; Szafran, Olga; Triscott, Jean A.C.; Parent, Roger. Cultural Competency Skills for Health Professionals: A workbook for caring across cultures. Toronto, Canada: Brush Education, 2014. ISBN: 9781550596205. \$79.95. Includes DVD.

*Purnell, Larry D. Guide to culturally competent health care 4th. Philadelphia: F.A. Davis Co., 2013. ISBN: 9780803637054. \$64.95.

*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.

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.

Liu, Min; 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.

Kisch, Glenn L. . Essential Spanish for pharmacists. Washington, DC: American Pharmacists Association, 2005. ISBN: 9781582120799. \$17.00.

*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.

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

E.4.0 PROFESSIONAL PRACTICE

*Remington: the science and practice of pharmacy. 22nd. Philadelphia: Pharmaceutical Press, 2012. ISBN: 9780857110626. \$185.00.

Thompson, Judith E.; Davidow, Lawrence. A practical guide to contemporary pharmacy practice. 3rd. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9780781783965. \$75.95.

Desselle, Shane P.; Zgarrick, David P. Pharmacy management: essentials for all practice settings. 2nd. New York: McGraw-Hill, 2008. ISBN: 9780071494366. \$57.95.

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

Holdford, David A. Marketing for pharmacists. 2nd. Washington, DC: American Pharmacists Association, 2007. ISBN: 9781582121062. \$55.00.

*Title recommended for first purchase

Chisholm-Burns, Marie A.; Vaillancourt, Allison M.; Shepherd, Marv. Pharmacy management, leadership, marketing and finance. Sudbury, MA: Jones and Bartlett, 2011. ISBN: 9781449613433. \$56.95.

Peterson, Andrew M.; and William, Kelly N. Leadership and management in pharmacy practice. Boca Raton, FL: CRC Press, 2014. ISBN: 9781466589629. \$79.96.

Lauster, Colleen C; and Srivastava, Sneha B. Fundamental skills for patient care in pharmacy practice. Burlington: Jones and Bartlett, 2014. ISBN: 9781449652722. \$81.95.

Harding, Geoffrey; and Taylor, Kevin. Pharmacy practice. 2nd. Boca Raton: CRC Press, Taylor & Francis Group, 2016. ISBN: 9781482253429. \$99.00.

E.4.0 - X.3 PROFESSIONAL PRACTICE - LAWS, LEGISLATION, REGULATIONS, AND ETHICS

*Veatch, Robert; Haddad, Amy. Case studies in pharmacy ethics. 2nd. Oxford, England: Oxford, 2008. ISBN: 9780195308129. \$29.99.

Buerki, Robert A, Vottero, Louis D. Pharmacy Ethics: A Foundation for Professional Practice. Washington DC: American Pharmacists Association, 2013. ISBN: 9781582121796. \$43.95.

E.4.0 - X.7 PROFESSIONAL PRACTICE - WEB SITES

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

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

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

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

Pharmacy Compounding Accreditation Board. PCAB. URL: <http://www.pcab.info/>

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

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.a COMMUNITY PHARMACY

Chain drug review: annual report of retail pharmacy. New York: Racher Press, annual. ISBN: ISSN: 0164-9914. \$100.00.

*NCPA-Pfizer digest. Alexandria, VA: National Community Pharmacists Association, 2007. ISBN: LCCN: 2004235207. \$99.00 with membership.

Addison, Brian; Brown, Alyson; Edwards, Ruth; Gray, Gwen. Minor illness or major disease? . 6th. Grayslake, IL: Pharmaceutical Press, 2016. ISBN: 9780857112149. \$60.00.

Goode, Jean-Venable R.; Roman, Lynne M.; 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. 4th. New York: Elsevier Health Sciences, 2017. ISBN: 9780702069970. \$63.99.

Angelo, Lauren B.; Cerulli J. How to conduct a comprehensive medication review: a guidebook for pharmacists. Washington, DC: American Pharmacists Association, 2014. ISBN: 9781582122168. \$16.95.

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

E.4.a - X.1.a COMMUNITY PHARMACY - CLASSICS

Tindall, William N.; Millonig, Marsha K. Pharmaceutical care: insights from community pharmacists. Boca Raton, FL: CRC Press, 2003. ISBN: 9781566769532. \$84.95.

E.4.a - X.7 COMMUNITY PHARMACY - Web Sites

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

E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY

Comprehensive accreditation manual for long term care (CAMLTC). Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405735. \$332.00; updates, \$250.00; both, \$582.00.

*Title recommended for first purchase

Comprehensive accreditation manual for hospitals (CAMH): the official handbook. Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405698. \$469.00; updates, \$350.00; both, \$819.00.

Comprehensive accreditation manual for ambulatory care (CAMAC). Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599409511. \$374.00; updates, \$274.00.

E.4.b - X.3 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - LAWS, LEGISLATION, REGULATIONS, AND ETHICS

*Best practices for hospital & health-system pharmacy: position & guidance documents of ASHP. Bethesda: American Society of Health-System Pharmacists, 2016. ISBN: 9781585285839. \$114.00.

E.4.b - X.5 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - DIRECTORIES

*AHA guide to the health care field: a guide to United States hospitals, health care systems, networks, alliances, health organizations, agencies, and providers. Chicago: Healthcare InfoSource, annual. ISBN: 0094-8969 ISSN. \$391.00.

*AHA hospital statistics. Chicago: Health Forum, annual. ISBN: 0090-6662 ISSN. \$283.00, 2017.

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

PPMI: Pharmacy Practice Model Initiative. American Society of Health-System Pharmacists. URL: <http://www.ashpmedia.org/ppmi/>

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

E.4.b – X.1.a HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - CLASSICS

Kienle, Patricia; Murdaugh, Lee B; Uselton, John P. Assuring continuous compliance with Joint Commission standards: a pharmacy guide. 8th. Bethesda: American Society of Health-System Pharmacists, 2010. ISBN: 9781585282425. \$153.00.

*Title recommended for first purchase

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. \$51.00.

E.4.c HOME HEALTH CARE

Frey, Dennee. Improving medication management in home care: issues and solutions. New York: Routledge, 2005. ISBN: 9780789030528. \$140.00.

Council, Institute of Medicine and National Research. The future of home health care: Workshop summary. Washington, DC: The National Academies Press, 2015. ISBN: 9780309367530. \$49.00.

Pharmacists, American Society of Health-System. ASHP Guidelines on Home Infusion Pharmacy Services. Am J Health-Syst Pharm. 2014;71:325–41.

Pharmacists, American Society of Health-System. ASHP guidelines on evaluating and using home or alternate-site infusion service providers. Am J Health-Syst Pharm. 2016;73:922–6.

Joint Commission on Accreditation of Healthcare Organizations. Standards for pharmacy dispensing, clinical/consultant pharmacist, long term care pharmacy, and freestanding ambulatory infusion services, 2009. Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations, 2008. ISBN: 9781599402604. \$110.00.

E.4.d MANAGED CARE

Navarro, Robert. Managed care pharmacy practice. 2nd. Sudbury, MA: Jones and Bartlett, 2009. ISBN: 9780763732400. \$111.95.

Kongstvedt, Peter R. Health Insurance and Managed Care: What They Are and How They Work. 4th. Burlington, MA: Jones and Bartlett, 2016. ISBN: 9781284043259. \$89.17.

Kongstvedt, Peter R. Essentials of managed health care. 6th. New York: Jones and Bartlett, 2013. ISBN: 9781449653316. \$130.95.

Amelung, Volker Eric. Healthcare Management: Managed Care Organizations and Instruments. Heidelberg, Germany: Springer, 2013. ISBN: 9783642387111. \$75.66.

E.4.d - X.1.a MANAGED CARE - CLASSICS

Wertheimer, Albert I.; Navarro, Robert. Managed care pharmacy: principles and practice. New York: Pharmaceutical Products, 1999. ISBN: 9780789006394. \$91.13.

*Title recommended for first purchase

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