

Basic Resources for Pharmacy Education

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Edited by Sharon Giovenale

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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. The list's editors and current contributors all work in such libraries. This list contains our 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 2017) edition are D.0 – CLINICAL SCIENCES; D.1 – PATHOPHYSIOLOGY; D.2 – PATIENT PHYSICAL ASSESSMENT; D.3.a – GERIATRICS; D.3.b – NEUROLOGY; D.3.i - SURGERY; E.4.c – HOME HEALTH CARE; E.4.d – MANAGED CARE.**

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 Sharon Giovenale (<mailto:Sharon.Giovenale@uconn.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 THERAPETUICS)

B.8.b VETERINARY PHARMACOLOGY

B.9 PHARMCOGENETICS AND PHARMACOGENOMICS

C.0 MEDICAL SCIENCES (SCIENCES BASIC TO MEDICINE)

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.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

Biological Abstracts. Thomson Reuters. URL: http://wokinfo.com/products_tools/specialized/ba/.

BIOSIS previews. Thomson Reuters. updated weekly URL: <http://www.biosis.org>.

SciFinder. Chemical Abstracts Service. URL: <http://www.cas.org/products/scifinder>.

Web of Science. Thomson Reuters. updated weekly URL:
http://wokinfo.com/products_tools/multidisciplinary/webofscience/.

A.1 GENERAL CHEMISTRY

Tro, Nivaldo J. Chemistry: a molecular approach. 3rd ed. Boston, MA, 2014. ISBN: 9780321809247. \$279.60.

Vančik, Hrvoj. Basic organic chemistry for the life sciences. New York, 2014. ISBN: 9783319076041. \$59.99.

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

CRC handbook of chemistry and physics. Cleveland, OH, annual. ISBN: 0147-6262. \$169.95.

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

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

A.2 BIOCHEMISTRY

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

Voet, Donald; Voet, Judith G. Biochemistry. 4th ed. Hoboken, N.J., 2010. ISBN: 9780470570951. \$282.95.

A.3 IMMUNOLOGY

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

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

*Geha, Raif; and Notarangelo, Luigi. Case studies in immunology: a clinical companion. 6th ed. New York, 2011. ISBN: 9780815344414. \$59.00.

*Title recommended for first purchase.

Murphy, Ken; Travers, Paul; and Walport, Mark, eds. Janeway's immunobiology. 8th ed. New York: Garland Science; 2011. ISBN: 9780815342434. \$140.00.

U.S. Centers for Disease Control and Prevention; Atkinson, William; Wolfe, S. , et al., eds. Epidemiology and prevention of vaccine-preventable diseases: the pink book. 13th ed. 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.

U.S. Centers for Disease Control and Prevention; and Brunette, Gary W., eds. CDC health information for international travel 2016: the yellow book. New York: Oxford University Press; 2015. ISBN: 9780199379156. \$49.95.

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

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

A.4.0 MICROBIOLOGY

Bergey's manual of systematic bacteriology: the bacteroidetes, spirochaetes, tenericutes (mollicutes), acidobacteria, fibrobacteres, fusobacteria, dictyoglomi, gemmatimonadetes, lentisphaerae, verrucomicrobia, chlamydiae, and planctomycetes. 2nd ed. New York: Springer; 2012. ISBN: 9780387950433. \$332.00.

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

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

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

*Jawetz, Melnick & Adelberg's medical microbiology. 27th ed. New York: McGraw-Hill; 2015. ISBN: 97800071824989. \$75.00.

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

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

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

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

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

*Title recommended for first purchase.

A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Alberts, Bruce; Johnson, Alexander; Lewis, Julian, et al. Molecular biology of the cell. 5th ed. NY, 2014. ISBN: 9780815344322. \$169.00.

Glick, Bernard R.; Delovitch, Terry L.; and Patten, Cheryl L. Medical biotechnology. Washington, DC, 2014. ISBN: 9781555817053. \$120.00.

Ho, Rodney J. Y., ed. Biotechnology and biopharmaceuticals: transforming proteins and genes into drugs. 2nd ed. New York: Wiley; 2013. ISBN: 9781118179796. \$154.95.

Larson, Richard S. Bioinformatics and drug discovery. Totowa, NJ, 2012. ISBN: 9781617799648. \$139.00.

Lodish, Harvey F.; Berk, Arnold; Kaiser, Chris A. Molecular cell biology. 7th ed. NY, 2012. ISBN: 9781429234139. \$199.99.

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

Cseke, Leland J. Handbook of molecular and cellular methods in biology and medicine. 3rd ed. Boca Raton, FL, 2011. ISBN: 9781420069389. \$188.95.

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

A.4.a. – X.7 MOLECULAR BIOLOGY AND BIOTECHNOLOGY – WEB SITES

National Center for Biotechnology Information Bethesda, MD: 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 ed. Baltimore, 2011. ISBN: 9781609130015. \$79.99.

Swarbrick, James, ed. Encyclopedia of pharmaceutical science and technology. 4th ed. Boca Raton: CRC Press; 2013. ISBN: 9781841848198. \$2975.40.

B.0 - X.6.1.c PHARMACEUTICAL SCIENCES - ONLINE ABSTRACTS AND INDEXES

IPA: international pharmaceutical abstracts. Thomson Reuters. URL: http://thomsonreuters.com/products_services/science/science_products/a-z/ipa/.

*Title recommended for first purchase.

B.0 - X.7 PHARMACEUTICAL SCIENCES - WEB SITES

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

B.1 MEDICINAL CHEMISTRY

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

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

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

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

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

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

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

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

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

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/>

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

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>

*Title recommended for first purchase.

B.2 PHARMACOGNOSY AND NATURAL PRODUCTS

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

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

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

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

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

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

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

Houghton, Peter; and Mukherjee, Pulok K. Evaluation of herbal medicinal products: Perspectives on quality, safety and efficacy. London, 2009. ISBN: 9780853697510. \$230.00.

Lam, Y. W. Francis; Huang, Shiew Mei; and Hall, Stephen D, eds. 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., eds. Total synthesis of natural products: at the frontiers of organic chemistry. Berlin: Springer; 2012. ISBN: 9783642340642 \$159.00.

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

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

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

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

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

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

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

*Title recommended for first purchase.

- Cupp, Melanie J.; Tracy, Timothy S., ed. Dietary supplements: toxicology and clinical pharmacology. Totowa, NJ: Humana; 2003. ISBN: 9781588290144. \$179.00.
- Dymock, William; Warden, C. J. H.; Hooper, David. Pharmacographia indica: a history of principal drugs of vegetable origin. New Delhi, India, 1995. ISBN: 9788186142639. \$200.00 (set). o.p.
- Huang, Kee Chang; and Williams, W. Michael. The pharmacology of Chinese herbs. 2nd ed. Boca Raton, FL, 1999. ISBN: 9780849316654. \$275.00.
- Kayne, Steven. Homeopathic pharmacy: an introduction and handbook. 2nd ed. New York, 2006. ISBN: 9780443101601. o.p.
- Nigg, Herbert N.; Seigler, David, ed. Phytochemical resources for medicine and agriculture. New York: Plenum; 1992. ISBN: 9780306442452. \$319.00.
- Rotblatt, Michael; Ziment, Irwin, ed. Evidence-based herbal medicine. Philadelphia: Hanley & Belfus; 2002. ISBN: 9781560534471. o.p.
- Tsumura, Akira. Kampo: how the Japanese updated traditional herbal medicine. New York, 1991. ISBN: 9780870407925. \$29.95.
- Von Reis, Siri; Lipp, Frank J., Jr. New plant sources for drugs and foods from the New York Botanical Garden herbarium. Cambridge, MA, 1982. ISBN: 9780674617650. \$60.00.
- Weiss, Rudolf Fritz; Fintelmann, Volker. Herbal medicine. 2nd rev. ed. Stuttgart, Germany, 2000. ISBN: 9780865779709. \$79.99.

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

- AltMedDex system. Thomson MICROMEDEX. updated quarterly URL:
<http://www.micromedex.com/products/altmeddexprotocols/>.
- Duke, James A.; Bogenschulz-Godwin, Mary Jo; Duke, Peggy-Ann K. Handbook of medicinal herbs. 2nd ed. Boca Raton, FL, 2002. ISBN: 9780849312847. \$309.00.
- Duke, James A.; Foster, Steven, ed. Field guide to medicinal plants and herbs: of eastern and central North America. 3rd ed. Boston: Houghton Mifflin Harcourt; 2014. ISBN: 9780547943985. \$21.00.
- *Khan, Ikhlas A; and Abourashed, Ehab A. Leung's encyclopedia of common natural ingredients used in food, drugs, and cosmetics. 3rd ed. New York, 2010. ISBN: 9780471467434. \$159.00.
- Leung, Albert Y.; Foster, Steven. Encyclopedia of common natural ingredients used in food, drugs, and cosmetics. 2nd ed. New York, 2003. ISBN: 9780471471288. o.p.
- Mills, Edward; Dugoua, Jean-Jacques; Perri, Dan; Koren, Gideon. Herbal medicines in pregnancy and lactation: an evidence-based approach. Boca Raton, FL, 2006. ISBN: 9780415373920. \$159.95.
- Ross, Ivan A. Medicinal plants of the world: chemical constituents, traditional and modern medicinal uses. 2nd ed. Totowa, NJ, 2003-. ISBN: 9781588292810 (vol. 1); 9780896038776 (vol. 2); 9781588291295, (vol. 3). Vol. 1,3, \$199.00 each; vol. 2 \$229.00.

*Title recommended for first purchase.

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

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 ed. New York, 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., eds. American Herbal Pharmacopoeia: Botanical Pharmacognosy - Microscopic Characterization of Botanical Medicines. Boca Raton: CRC Press; 2011. ISBN: 9781420073263. \$169.95.

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 ed. New York, 1996. ISBN: 9783642005732. \$339.00.

B.2 - X.7 PHARMACOGNOSY AND NATURAL PRODUCTS - WEB SITES

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

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

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

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

United States Pharmacopoeial Convention. USP verification services Rockville, MD: United States Pharmacopoeial Convention. URL: <http://www.usp.org/USPVerified/>

B.3.0 PHARMACEUTICS

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

Aulton's pharmaceuticals: the design and manufacture of medicines. 5th ed. Edinburgh, Scotland, 2017. ISBN: 9780702042904. \$80.95 due 8/2017.

*Martin's physical pharmacy and pharmaceutical sciences: physical chemical and biopharmaceutical principles in the pharmaceutical sciences. 7th ed. Philadelphia, 2017. ISBN: 9781451191455.

*Title recommended for first purchase.

\$99.99.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B.3.0 - X.1a PHARMACEUTICS - CLASSICS

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

*Title recommended for first purchase.

B.3.0 - X.7 PHARMACEUTICS - WEB SITES

International Academy of Compounding Pharmacists Missouri City, TX: International Academy of Compounding Pharmacists. URL: <http://www.iacprx.org/>

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

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

B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS

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

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

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

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

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

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

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

Winter, Michael E. Basic clinical pharmacokinetics. 5th ed. Philadelphia, 2009. ISBN: 9780781779036. \$84.99.

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

Testa, Bernard; Jenner, Peter. Drug metabolism: chemical and biochemical aspects. Reprint ed. Ann Arbor, 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 ed. Boca Raton, 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 ed. Boca Raton, FL: CRC Press; 2005. ISBN: 9780415288774. \$119.66.

Blass, Benjamin. Basic principles of drug discovery and development. Amsterdam, 2015. ISBN: 9780124115088. \$99.95.

Dunn, Ian S. Searching for molecular solutions: empirical discovery and its future. Hoboken, N.J., 2010. ISBN: 9780470146828. \$134.00.

Holmgren, Eric B. Theory of drug development. Boca Raton, 2014. ISBN: 9781466507463. \$75.96.

Krogsgaard-Larsen, Povl; Strømgaard, Kristian; Madsen, Ulf, eds. Textbook of drug design and discovery. 5th ed. Boca Raton: CRC Press; 2016. ISBN: 978198702782. \$89.96.

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

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

Ng, Rick. Drugs: from discovery to approval. 3rd ed. Hoboken, NJ, 2015. ISBN: 9781118907276. \$99.95.

Schneider, Gisbert; Baringhaus, Karl-Heinz. Molecular design: concepts and applications. Weinheim, 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 ed. New York, 2012. ISBN: 9783527329540. \$155.00.

Wu-Pong, Susanna; Rojanasakul, Yongyut, eds. Biopharmaceutical drug design and development. 2nd ed. Totowa, NJ: Humana; 2008. ISBN: 9781588297167. \$209.00.

Yan, Qing, ed. Pharmacogenomics in drug discovery and development. 2nd ed. Totowa, NJ: Humana; 2014. ISBN: 9781493909551. \$139.00.

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

Cordes, Eugene H. Hallelujah moments: tales of drug discovery. Oxford, 2014. ISBN: 9780199337149. \$31.95.

*Title recommended for first purchase.

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

Sneader, Walter. Drug discovery: a history. New York, 2005. ISBN: 9780471899808. \$95.00.

B.5.0 INDUSTRIAL

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

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

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

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

*Nally, Joseph D., ed. Good manufacturing practices for pharmaceuticals. 6th ed. New York: Taylor & Francis; 2007. ISBN: 9780849339721. \$219.95.

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

Food and Drug Administration. Current good manufacturing practice for finished pharmaceuticals 2015. URL: <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?CFRPart=211>

B.5.0 - X.5 INDUSTRIAL - DIRECTORIES

PMD: Pharmaceutical marketers directory. Delray Beach, FL: Haymarket Media; annual. ISBN: 978-0013373094. \$348.00 (2012/2013).

B.5.0 - X.7 INDUSTRIAL - WEB SITES

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

Pharmaceutical Research and Manufacturers of America. PhRMA Washington, D.C.: PhRMA. URL: <http://www.phrma.org/>

B.6.0 COSMETICS

Harry's cosmeticology. 9th ed. Revere, MA, 2015. ISBN: 9780820601809 (3 v. set). \$1,250.00.

*Baumann, Leslie. Cosmeceuticals and cosmetic ingredients. New York, 2014. ISBN: 9780071793988. \$169.00.

Elsner, Peter; Maibach, Howard I., eds. Cosmeceuticals and active cosmetics drugs versus cosmetics. 3rd

*Title recommended for first purchase.

ed. New York: Informa Healthcare; 2009. ISBN: 9781420094800. \$199.95.

*Paye, Marc; Barel, Andre O.; Maibach, Howard I., eds. Handbook of cosmetic science and technology. 4th ed. New York: Informa Healthcare; 2014. ISBN: 9781842145647. \$199.95.

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

International cosmetic ingredient dictionary and handbook. 15th ed. Washington, DC: The Personal Care Products Council 2014. ISBN: 1882621484. \$1,190.00 multi-volume set.

Michalun, M. Varinia; and Dinardo, Joseph C. Milady's skin care and cosmetic ingredients dictionary. 4th ed. Clifton Park, NY, 2015. ISBN: 9781285060798. \$41.75.

B.7.0 NUCLEAR AND RADIOPHARMACY

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

Christian, Paul E.; Waterstram-Rich, Kristen M., eds. Nuclear medicine and PET/CT: technology and techniques. 7th ed. St. Louis: Mosby/Elsevier; 2012. ISBN: 9780323071925. \$144.00.

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

Kowalsky, Richard J.; Falen, Stephen. Radiopharmaceuticals in nuclear pharmacy & nuclear medicine. 3rd ed. Washington, DC, 2011. ISBN: 9781582121185. \$192.00.

Saha, Gopal B. Basics of PET imaging, physics, chemistry, and regulations. 2nd ed. New York, 2010. ISBN: 9781441908056. \$79.95.

*Saha, Gopal B. Fundamentals of nuclear pharmacy. 6th ed. New York, NY, 2010. ISBN: 97814411958594. \$97.00.

Scott, Peter J. H.; Hockley, Brian G., eds. Radiopharmaceuticals for positron emission tomography. Hoboken, NJ: Wiley; 2011. ISBN: 9780470588956. \$133.00.

Smith, Blaine T. Nuclear pharmacy: concepts and applications. London, 2010. ISBN: 9780853698661. \$50.00.

Smith, Blaine T.; Weatherman, Kara D. Diagnostic imaging for pharmacists. Washington, DC, 2011. ISBN: 9781582121536. \$69.95.

Williams, Lawrence E. Radiopharmaceuticals: an introduction to drug evaluation and dose estimation. Boca Raton, FL, 2011. ISBN: 9781439810675. \$159.95.

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

Welch, Michael J.; Redvanly, Carol S., eds. Handbook of radiopharmaceuticals. New York: Wiley; 2002. ISBN: 0471495603. \$489.00.

*Title recommended for first purchase.

B.8.0 PHARMACOLOGY

*Goodman & Gilman's the pharmacological basis of therapeutics. 12th ed. New York: McGraw-Hill; 2011. ISBN: 9780071624428. \$179.00.

Rang & Dale's pharmacology. 8th ed. New York: Churchill Livingstone; 2015. ISBN: 9780702053627. \$53.36.

*Brody's human pharmacology: molecular to clinical. 5th ed. Philadelphia: Elsevier Mosby; 2010. ISBN: 9780323053747. \$64.76.

Handbook of experimental pharmacology. New York: Springer; 1978-. ISBN: ISSN: 0171-2004. Each vol. in series priced individually, most \$400-500.00.

Cannon, Joseph G. Pharmacology for chemists. 2nd ed. New York, 2007. ISBN: 9780841239272. \$64.50.

Foreman, John C.; Johansen, Torben. Textbook of receptor pharmacology. 3rd ed. Boca Raton, FL, 2010. ISBN: 9781420052541. \$109.95.

Golan, David E.; Tashjian, Armen H., Jr.; Armstrong, Ehrin J.; Armstrong, April W., eds. Principles of pharmacology: the pathophysiologic basis of drug therapy. 3rd ed. Baltimore: Lippincott Williams & Wilkins; 2011. ISBN: 9781608312702. \$82.98.

Harvey, Richard A.; Champe, Pamela C.; Finkel, Richard; Cubeddu, Luigi; Clark, Michelle A., ed. Pharmacology. 5th ed. Philadelphia: Lippincott Williams & Wilkins; 2011. ISBN: 9781451113143. \$66.99.

Hollinger, Manfred A., ed. Introduction to pharmacology. 3rd ed. Boca Raton, FL: CRC Press; 2007. ISBN: 9781420047417. \$69.95.

*Katzung, Bertram G.; Masters, Susan B.; Trevor, Anthony J., ed. Basic & clinical pharmacology. 12th ed. London, England: McGraw-Hill; 2012. ISBN: 9780071764018. \$67.00.

Lehne, Richard A. Pharmacology for nursing care. 8th ed. St. Louis, 2012. ISBN: 9781437735826. \$103.00.

Neal, Michael J. Medical pharmacology at a glance. 8th ed. Malden, MA, 2015. ISBN: 9781118902400. \$39.95.

Stringer, Janet L. Basic concepts in pharmacology: a student's survival guide. 4th ed. New York, 2011. ISBN: 9780071741040. \$48.00.

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

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

*Craig, Charles R.; Stitzel, Robert E. Modern pharmacology with clinical applications. 6th ed.

*Title recommended for first purchase.

Philadelphia, 2003. ISBN: 9780781737623. \$72.99.

B.8.0 - X.7 PHARMACOLOGY - WEB SITES

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

Clinical pharmacology. Gold Standard. URL: <http://www.clinicalpharmacology.com/>.

B.8.a.0 TOXICOLOGY

Haddad and Winchester's clinical management of poisoning and drug overdose. 4th ed. Philadelphia: Saunders/Elsevier; 2007. ISBN: 9780721606934. \$265.95.

Barceloux, Donald G. , ed. Medical toxicology of drug abuse: synthesized chemicals and psychoactive plants. Hoboken, NJ: John Wiley & Sons; 2012. ISBN: 9780471727606. \$212.95.

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

Barile, Frank A., ed. Principles of toxicology testing. 2nd ed. Boca Raton, FL: CRC Press; 2013. ISBN: 9781842145289. \$125.95.

Baselt, Randall C. Disposition of toxic drugs and chemicals in man. 10th ed. Seal Beach, CA, 2014. ISBN: 9780962652394 \$324.50.

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

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

Hayes, A. Wallace, ed. Hayes principles and methods of toxicology. 6th ed. Boca Raton, FL: CRC Press; 2014. ISBN: 9781842145364. \$159.95.

Hodgson, Ernest, ed. A textbook of modern toxicology. 4th ed. Hoboken, NJ: Wiley; 2010. ISBN: 9780470462065. \$115.00.

Kacew, Sam; Lee, Byung-Mu, ed. Lu's basic toxicology: Fundamentals, target organs, and risk assessment. 6th ed. Boca Raton, FL: CRC Press; 2012. ISBN: 9781841849539. \$99.95.

*Klaassen, Curtis D, ed. Casarett and Doull's toxicology: the basic science of poisons. 8th ed. New York: McGraw-Hill 2013. ISBN: 9780071769235. \$151.00.

Lewis, Richard J. Sax's dangerous properties of industrial materials. 12th ed. Hoboken, 2012. ISBN: 9780470623251. \$695.00. Also available networked and as CD-ROM.

*Nelson, Lewis; Lewin, Neal; Howland, Mary Ann; Hoffman, Robert; Goldfrank, Lewis; Flomenbaum, Neal. Goldfrank's toxicologic emergencies. 10th ed. New York, 2015. ISBN: 9780071801843. \$338.00.

*Olson, Kent R. Poisoning and drug overdose. 6th ed. New York, 2011. ISBN: 9780071668330. \$87.00.

*Title recommended for first purchase.

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

Stelljes, Mark E. Toxicology for nontoxicologists. 2nd ed. Lanham, MD, 2008. ISBN: 9780865871755. \$39.00.

Timbrell, John A. Principles of biochemical toxicology. 4th ed. London, 2009. ISBN: 9780849373022. \$62.95.

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

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

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

Sittig's handbook of toxic and hazardous chemicals and carcinogens. 6th ed. Norwich, NY: William Andrew; 2012. ISBN: 9781437778694. \$625.00.

Derelanko, Michael J.; Auletta, Carol, eds. Handbook of toxicology. 3rd ed. Boca Raton, FL: CRC Press; 2014. ISBN: 9781439890134. \$169.95.

Leiken, Jerrold B.; Paloucek, Frank P., eds. Poisoning & toxicology handbook. 4th ed. Boca Raton, FL: CRC Press; 2008. ISBN: 9781420044799. \$167.00.

B.8.a.0 - X.4.0 TOXICOLOGY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

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

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

B.8.a.0 - X.6.1.0 TOXICOLOGY - ONLINE RESOURCES

POISINDEX system. Truven Health Analytics. updated quarterly URL: <http://www.micromedex.com>.

RTECS: Registry of toxic effects of chemical substances. National Institute for Occupational Safety and Health. URL: <http://www.cdc.gov/niosh/rtecs/>.

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

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/>

*Title recommended for first purchase.

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

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

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

*Drug interactions analysis and management. 9th ed. Philadelphia: Lippincott Williams & Wilkins; 2013. ISBN: 9781574393644. \$44.95. Also available as a loose-leaf update product from Wolters Kluwer/Facts & Comparisons.

Litt's drug eruption reference manual: including drug interactions. 21st ed. Boca Raton, FL, 2015. ISBN: 9781498709903. \$136.59.

*Meyler's side effects of drugs: the international encyclopedia of adverse drug reactions and interactions. 16th ed. Amsterdam, Netherlands: Elsevier Science; 2015. ISBN: 9780444537171. \$777.07.

*Aronson, Jeffrey K., ed. 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 37 (2014) \$452.40.

Barile, Frank A. Clinical toxicology: principles and mechanisms. New York, 2010. ISBN: 9781420092257. \$178.89.

Baxter, Karen, ed. Stockley's drug interactions. 10th ed. London, England: Pharmaceutical Press; 2013. ISBN: 9780857110619. \$3150.00 with 1 year online access.

*Briggs, Gerald G.; Freeman, Roger K. Drugs in pregnancy and lactation: a reference guide to fetal and neonatal risk. 10th ed. Philadelphia, 2014. ISBN: 9781451190823. \$116.16.

*Pronsky, Zaneta M. Food-medication interactions. 18th ed. Birchrunville, PA, 2015. ISBN: 9780971089662. \$34.51.

*Shepard, Thomas H.; Lemire, Ronald J. Catalog of teratogenic agents. 13th ed. Baltimore, 2011. ISBN: 9780801897849. \$264.11.

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

Tisdale, James E.; Miller, Douglas A., ed. Drug-induced diseases: prevention, detection, and management. 2nd ed. Bethesda: American Society of Health-System Pharmacists; 2010. ISBN: 9781585282050. \$184.00.

*Title recommended for first purchase.

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

Davies's textbook of adverse drug reactions. 5th ed. 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

Database of antiretroviral drug interactions: Center for HIV Information, University of California, San Francisco. URL: <http://hivinsite.ucsf.edu/InSite?page=ar-00-02>

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

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

QT drug lists by risk groups: Center for Education and Research on Therapeutics, The Critical Path Institute, University of Arizona. URL: <http://www.arizonacert.org/medical-pros/drug-lists/drug-lists.cfm>

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

B.8.b VETERINARY PHARMACOLOGY

*Merck veterinary manual. 10th ed. Rahway, NJ: Merck; 2010. ISBN: 9780911910933. \$48.95.

Bill, Robert. Clinical pharmacology and therapeutics for the veterinary technician. 3rd ed. St. Louis, 2006. ISBN: 0323011136. \$54.50.

Bill, Robert. Medical mathematics and dosage calculations for veterinary professionals. 2nd ed. Ames, IA, 2009. ISBN: 0813823633. \$40.24.

Cunningham, Fiona. Comparative and veterinary pharmacology New York, 2010. ISBN: 3640103235. \$489.00.

Maddison, Jill E.; Page, Stephen W.; Church, David B., eds. Small animal clinical pharmacology. 2nd ed. New York: Elsevier; 2008. ISBN: 0702028588. \$95.00.

Riviere, Jim E.; Papich, Mark G. Veterinary pharmacology and therapeutics 9th ed. Ames, IA, 2009. ISBN: 0813820613. \$243.99.

Romich, Janet Amundson. Fundamentals of pharmacology for veterinary technicians. 2nd ed. Clifton Park, NY, 2010. ISBN: 1435426009. \$95.95.

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

*Title recommended for first purchase.

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

Hsu, Walter H. Handbook of veterinary pharmacology. 2nd ed. Seoul, South Korea, 2013. ISBN: 9791195064328. \$63.00.

Papich, Mark G., ed. Saunders handbook of veterinary drugs: small and large animal. 4th ed. Philadelphia: Elsevier Saunders 2015. ISBN: 9780323244855. \$70.45.

Plumb, Donald C., ed. Plumb's veterinary drug handbook. 8th ed. New York: Wiley-Blackwell; 2015. ISBN: 9781118911921. \$79.95.

B.9 PHARMACOGENETICS & PHARMACOGENOMICS

Altman, Russ B.; Flockhart, David; Goldstein, David, B., ed. Principles of pharmacogenetics and pharmacogenomics. Cambridge, England: Cambridge University Press; 2012. ISBN: 9780521885379. \$109.99.

*Bertino, Joseph S., Jr.; Kashuba, Angela D. M.; Ma, Joseph D., et al., eds. Pharmacogenomics: an introduction and clinical perspective. New York: McGraw-Hill Companies; 2013. ISBN: 9780071741699. \$72.00.

*Ginsburg, Geoffrey S.; Willard, Huntington F., ed. Essentials of genomic and personalized medicine. San Diego, CA: Elsevier/Academic Press; 2009. ISBN: 9780123749345. \$125.00. Libraries with special interest in the field should consider the editors' Genomic and personalized medicine (2008, 2 v. set, ISBN: 9780123694201, \$399.95)

Johnson, Julie A.; Ellingrod, Vicki L.; Kroetz, Deanna L., et al., eds. Pharmacogenomics: applications to patient care. Lenexa, KS: American College of Clinical Pharmacy; 2015. ISBN: 9781939862099. \$119.95.

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

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

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

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

Zdanowicz, Martin M., ed. Concepts in pharmacogenomics. Bethesda, MD: American Society of Health-System Pharmacists; 2010. ISBN: 9781585282340. \$84.00.

*Title recommended for first purchase.

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

*Padmanabhan, Sandosh, ed. 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

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

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

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

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

AMED: allied & complementary medicine database. Health Care Information Service of the British Library. updated monthly URL: <http://www.ebscohost.com/ACADEMIC/amed>.

CINAHL. CINAHL Information Systems. URL: <http://www.ebscohost.com/cinahl>.

EMBASE. Elsevier. URL: <http://www.embase.com>.

Google Scholar Mountain View, CA: Google. URL: <http://scholar.google.com/> Free

*MEDLINE. U.S. National Library of Medicine. URL: <http://www.nlm.nih.gov/pubs/factsheets/medline.html>.

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

C.1 ANATOMY AND PHYSIOLOGY

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

Costanzo, Linda S. Physiology. 5th ed. Philadelphia, 2013. ISBN: 9781455708475. \$61.95.

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

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

McCorry, Laurie. Essentials of human physiology for pharmacy. 2nd ed. Boca Raton, FL, 2009. ISBN:

*Title recommended for first purchase.

9781420043907. \$80.95; also available as eBook.

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

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

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

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

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

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

Drugs @ FDA Silver Spring, MD: US Food and Drug Administration. URL:
<http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm> Free Keep R. Beckett 1/2018

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

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

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

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

Medscape New York, NY: Medscape; 1996-. URL: <http://www.medscape.com>

D.1 PATHOPHYSIOLOGY

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

*Lee, Mary, ed. Basic skills in interpreting laboratory data. 6th ed. 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 ed. New York, 2014. ISBN: 9780071806008. \$80.00

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

*Title recommended for first purchase.

D.2 PATIENT PHYSICAL ASSESSMENT

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

Bickley, Lynn S. Bates' guide to physical assessment. 12th ed. Philadelphia, PA, 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), 2016. ISBN: 9781284025743. \$55.95.

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

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

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

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

D.3.0 THERAPEUTICS

*Koda-Kimble and Young's applied therapeutics: the clinical use of drugs. 10th ed. Philadelphia: Lippincott Williams & Wilkins; 2012. ISBN: 9781609137137. \$205.99.

Braunwald's heart disease: a textbook of cardiovascular medicine. 10th ed. Philadelphia: Elsevier Saunders; 2015. ISBN: 9781416061939. 2-vol. set, \$259.00

Brenner & Rector's the kidney. 9th ed. Philadelphia: Elsevier/Saunders; 2012. ISBN: 9781416061939. out of print; only available in e-format at \$1677.00 for single user.

Campbell-Walsh urology. 10th ed. Philadelphia: Elsevier/Saunders; 2012. ISBN: 9781416069119. 4-vol. set \$589.00.

*Conn's current therapy. Philadelphia: Saunders; annual. ISBN: 9781455702978. \$99.95

Fitzpatrick's dermatology in general medicine. 8th ed. New York: McGraw-Hill; 2012. ISBN: 9780071669047. \$459.00.

*Goldman's Cecil medicine. 24th ed. Philadelphia: Elsevier/Saunders; 2012. ISBN: 9781437716047. \$189.00

*Harrison's principles of internal medicine. 19th ed. New York: McGraw-Hill; 2015. ISBN: 9780071802154. \$249.00. Mixed media product.

*Merck manual of diagnosis and therapy. 19th ed. Whitehouse Station, NJ: Merck; 2011. ISBN:

*Title recommended for first purchase.

9780911910193. \$79.95.

Williams obstetrics. 24th ed. New York: McGraw-Hill; 2014. ISBN: 9780071798938. \$190.00.

Aronoff, George R.; Bennett, William M.; Berns, Jeffrey S.; Brier, Michael E.; Kasbekar, Nishaminy; Mueller, Bruce A.; Pasko, Deborah A.; Smoyer, William E., eds. Drug prescribing in renal failure: dosing guidelines for adults and children. 5th ed. Philadelphia: American College of Physicians; 2007. ISBN: 9781930513761. \$54.95.

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

*Chisholm-Burns, Marie A.; Wells, Barbara G.; Schwinghammer, Terry L.; Malone, Patrick M.; Kolesar, Jill M.; Rotschafer, John C.; Dipiro, Joseph T., eds. Pharmacotherapy: principles & practice. 3rd ed. New York: McGraw-Hill Medical; 2013. ISBN: 9780071804233. \$189.00.

*Dale, David; Federman, Daniel ed. ACP medicine: principles and practice. New York: WebMD Professional Publishing; 2007. ISBN: 9781550093896. 2-vol. set, \$169.00. Also available in a variety of formats.

*Dipiro, Joseph; Talbert, Robert L.; Yee, Gary C.; Matzke, Gary R.; Wells, Barbara G.; Posey, L. Michael, eds. Pharmacotherapy: a pathophysiologic approach. 8th ed. New York: McGraw-Hill; 2011. ISBN: 9780071703543. \$203.00.

Dolin, Raphael; Masur, Henry; Saag, Michael S., eds. AIDS therapy. 3rd ed. Philadelphia: Churchill Livingstone; 2008. ISBN: 9780443067525. \$209.00

Habif, Thomas P. Clinical dermatology: a color guide to diagnosis and therapy. 5th ed. St. Louis, 2010. ISBN: 9780723435419. \$194.00.

*Helms, Richard A.; Quan, David J., eds. Textbook of therapeutics: drug and disease management. 8th ed. Philadelphia: Lippincott Williams & Wilkins; 2006. ISBN: 9780781757348. \$224.99.

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

Schwinghammer, Terry L.; Koehler, Julia M., eds. Pharmacotherapy casebook: a patient-focused approach. 9th ed. New York: McGraw-Hill; 2014. ISBN: 9780071830133. \$55.00.

Stone, C. Keith; Humphries, Roger L., ed. Current diagnosis and treatment emergency medicine. 7th ed. New York: McGraw-Hill; 2011. ISBN: 9780071701075. \$99.00.

Waldman, Scott A.; Terzic, Andre, eds. Pharmacology and therapeutics: principles to practice. Philadelphia: Saunders; 2009. ISBN: 9781416032915. \$179.00.

Warrell, David A.; Cox, Timothy M.; Firth, John D.; Benz, Edward J., Jr.; Weatherall, David, eds. Oxford textbook of medicine. 5th ed. New York: Oxford; 2010. ISBN: 9780199204854. 3-vol. set, \$675.00.

*Title recommended for first purchase.

D.3.a GERIATRICS

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

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

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

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

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

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

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

D.3.b NEUROLOGY

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

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

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

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

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, eds. Practical management of pain. 5th ed. Philadelphia: Elsevier; 2014. ISBN: 9780323083409. \$245.00.

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

Rowland, Lewis P.; Pedley, Timothy A.; Merritt, H. Houston. Merritt's neurology. 13th ed. Philadelphia, 20016. ISBN: 9781451193367. \$184.99.

Waxman, Stephen. Clinical neuroanatomy. 27th ed. New York, 2013. ISBN: 9780071797979. \$62.00.

*Title recommended for first purchase.

D.3.c NUTRITION AND NUTRACEUTICALS

Krause's food, nutrition & diet therapy. 13th ed. Philadelphia: Saunders; 2012. ISBN: 9781437722338. \$165.00.

Stockley's Herbal Medicines Interactions: A Guide to the Interactions of Herbal Medicines. 2nd ed. London, England: Pharmaceutical Press; 2013. ISBN: 9780857110268. \$99.00.

Hark, Lisa; Deen, Darwin; and Morrison, Gail. Medical nutrition and disease: a case-based approach. 5th ed. Chichester, UK, 2014. ISBN: 9781118652435. \$65.00.

Lutz, Carroll A.; Przytulski, Karen Rutherford, eds. Nutrition and diet therapy: evidence-based applications. 6th ed. Philadelphia F.A. Davis; 2014. ISBN: 9780803637184. \$69.95.

Ross, A. Catharine; Caballero, Benjamin; Cousins Robert J., eds. Modern nutrition in health and disease. 11th ed. Baltimore: Lippincott Williams & Wilkins; 2014. ISBN: 9781605474618. \$189.99

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

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

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

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

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

Dietary supplements labels database: brands, ingredients, and references. Office of Dietary Supplements and U. S. National Library of Medicine. URL: <http://www.dslid.nlm.nih.gov/dslid/>.

Medline Plus Nutrition and Supplements URL:
http://www.nlm.nih.gov/medlineplus/druginfo/herb_All.html

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

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

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

D.3.d ONCOLOGY AND HEMATOLOGY

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

*Devita, Hellmann, and Rosenberg's cancer: principles and practice of oncology. 10th ed. Philadelphia:

*Title recommended for first purchase.

Lippincott Williams & Wilkins; 2014. ISBN: 9781451192940. \$349.99.

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

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

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

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

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

D.3.e PARENTERALS

*Plumer's Principles and Practice of Infusion Therapy. 9th ed. Philadelphia: Lippincott Williams & Wilkins; 2014. ISBN: 9781451188851. \$72.99.

*King guide to parenteral admixtures. 35th ed. St. Louis: King Guide; 2016. ISBN: 9780978638603. \$360.00 for first year loose-leaf edition; annual renewal \$184.00. Also available online.

*McEvoy, Gerald K.; and Trissel, Lawrence A., eds. Handbook on injectable drugs. 18th ed. Bethesda: American Society of Health-System Pharmacists; 2014. ISBN: 9781585284191. \$380.00; also available as e-book.

*Phelps, Stephanie J.; Hak, Emily B.; Crill, Catherine M., eds. Pediatric injectable drugs: the teddy bear book. 10th ed. Bethesda: American Society of Health-System Pharmacists; 2013. ISBN: 9781585283798. \$159.00.

Phillips, Lynn Dianne. Manual of I.V. therapeutics. 6th ed. Philadelphia, 2014. ISBN: 9780803638464. \$46.95.

D.3.f PEDIATRICS

*Nelson textbook of pediatrics. 20th ed. 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. 20th ed. Philadelphia: Elsevier Saunders; 2015. ISBN: 9780323096447. \$59.95.

Nahata, Milap C.; Pai, Vinita B., eds. Pediatric drug formulations. 6th ed. Cincinnati: Harvey Whitney; 2011. ISBN: 9780929375328. \$104.56.

Taketomo, Carol K.; Hodding, Jane H.; Kraus, Donna M., eds. Pediatric & neonatal dosage handbook. 23rd ed. Hudson, OH: Lexi-Comp; 2016. ISBN: 9781591953586. \$89.95. Also available online

*Title recommended for first purchase.

and in CD-ROM and handheld versions.

D.3.g PSYCHIATRY

Diagnostic and statistical manual of mental disorders: DSM-V. 5th ed. Washington, D.C.: American Psychiatric Association; 2013. ISBN: 978089042558. \$160.00.

*Kaplan & Sadock's comprehensive textbook of psychiatry. 10th ed. Philadelphia: Lippincott Williams & Wilkins; 2017. ISBN: 9781451100471. 2-vol. set, \$399.99.

Aronson, Jeffrey. Meyler's side effects of psychiatric drugs. San Diego, CA, 2009. ISBN: 978044432664. 64.95.

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

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

Keane, Terence Martin; Foa, Edna B.; Friedman, Matthew J., eds. Effective treatments for PTSD: practice guidelines from the International Society for Traumatic Stress Studies. 2nd ed. New York: Guilford Press; 2009. ISBN: 9781606230015. \$60.00.

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

Stahl, Stephen M. Stahl's essential psychopharmacology: neuroscientific basis and practical applications. 4th ed. New York, 2013. ISBN: 9781107686465. \$121.00.

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

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

Fuller, Matthew A.; Sajatovic, Martha. Drug information handbook for psychiatry: including psychotropic, nonpsychotropic and herbal agents. 7th ed. Hudson, OH, 2009. ISBN: 978-1591952534. o.p.

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

D.3.h SUBSTANCE ABUSE

Brick, John, ed. Handbook of the medical consequences of alcohol and drug abuse. 2nd ed. Binghamton, NY: Haworth Medical Press; 2007. ISBN: 9780789035738. \$108.95.

Galanter, Marc; Kleber, Herbert D.; Brady, Kathleen, eds. American Psychiatric Publishing textbook of substance abuse treatment. 5th ed. Washington, DC: American Psychiatric Publishing; 2015. ISBN: 9781585624720. \$204.00.

*Title recommended for first purchase.

Goldberg, Ray. Drugs across the spectrum. 7th ed. Pacific Grove, CA, 2014. ISBN: 9781133594161. \$190.95.

Hart, Carl L.; Ksir, Charles. Drugs, society and human behavior. 15th ed. New York, 2015. ISBN: 9780078028649. \$227.20.

Karch, Steven B. Karch's pathology of drug abuse. 5th ed. Boca Raton, FL, 2013. ISBN: 9781439861462. \$159.95.

Liska, Ken. Drugs and the human body: with implications for society. 8th ed. Upper Saddle River, NJ, 2008. ISBN: 9780132447133. \$126.40.

Pagliariò , Louis A.; Pagliaròs, Anne M, eds. Pagliaròs' comprehensive guide to drugs and substances of abuse. 2nd ed. Washington, DC: American Pharmacists Association; 2009. ISBN: 9781582121314. \$87.50.

Ries, Richard K.; Fiellin, David A.; Miller, Shannon; Saitz, Richard eds. The American Society of Addiction Medicine principles of addiction medicine. 5th ed. Philadelphia: Wolters Kluwer Health; 2014. ISBN: 9781451173574. \$239.99.

Ruiz, Pedro; and Strain, Eric, eds. Lowinson and Ruiz's substance abuse: a comprehensive textbook. 5th ed. Philadelphia, PA: Wolters Kluwer-Health/Lippincott Williams & Wilkins; 2011. ISBN: 9781605472775. \$274.99.

Walters Scott, T.; and Rotgers, Frederick, eds. Treating substance abuse: theory and technique. 3rd ed. New York: Guilford; 2012. ISBN: 9781462502578. \$52.00.

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

Karch, Steven B., ed. Drug abuse handbook. 2nd ed. Boca Raton, FL: CRC/Taylor and Francis; 2007. ISBN: 9780849316906. \$241.99.

Perkinson, Robert R.; Jongsma, Arthur E., Jr.; Bruce, Timothy J. The addiction treatment planner. 5th ed. Hoboken, NJ, 2014 ISBN: 9781118414750. \$60.00.

Rastegar, Darius A.; Fingerhood, Michael I.; American Society of Addiction Medicine. The American Society of Addiction Medicine handbook of addiction medicine. Oxford, 2005. ISBN: 9780190214647. \$69.95.

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

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

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

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

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

*Title recommended for first purchase.

D.3.i SURGERY

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

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 ed. Philadelphia, 2017. ISBN: 9781496337009. \$131.09.

Gupta, Anita; Singh-Radcliff, Nina. Pharmacology in Anesthesia Practice. New York, 2011. ISBN: 9780199782673. \$41.66.

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

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.

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

D.4 ALTERNATIVE MEDICINE

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

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

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

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

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

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

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

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

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

*Title recommended for first purchase.

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

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

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

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

Cipolle, Robert J.; Strand Linda M.; Morley Peter C. Pharmaceutical care practice. 3rd ed. New York, 2012. ISBN: 9780071756389. \$81.00.

Donyai, Parastou. Social and cognitive pharmacy; theory and case studies. London, 2012. ISBN: 9780853698999. \$49.99.

Lenz, Thomas L. Lifestyle modifications in pharmacotherapy. Philadelphia, 2007. ISBN: 9780781776516. \$49.95.

*Rickles, Nathaniel M.; Wertheimer, Albert I.; Smith, Mickey C., eds. Social and behavioral aspects of pharmaceutical care. 2nd ed. Sudbury, MA: Jones and Bartlett; 2010. ISBN: 9780763764081. \$112.00; also available as an e-book.

Taylor, Kevin M. G.; Nettleton, Sarah; Harding, Geoffrey. Sociology for pharmacists. Boca Raton, FL, 2003. ISBN: 9780415274876. \$100.00; also available as an e-book.

Wertheimer, Albert I.; Smith, Mickey C. A casebook in social and behavioral pharmacy. Cincinnati, 1987. ISBN: 9780960648863. o.p.

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

Babar, Zaheer-Ud-Din. Pharmacy practice research methods. Cham, Switzerland, 2015. ISBN: 9783319146720. \$129.00.

*Bolton, Sanford; Bon, Charles. Pharmaceutical statistics: practical and clinical applications. 5th ed. New York, 2010. ISBN: 9781420074222. \$259.95.

Escovitz, Alan; Pathak, Dev S. Health outcomes and pharmaceutical care: measurement, applications, and initiatives. Binghamton, NY, 1996. ISBN: 9780789000088. \$59.96.

Hepler, Charles D.; Segal, Richard. Preventing medication errors and improving drug therapy outcomes: a management systems approach. Boca Raton, FL, 2003. ISBN: 9780849315763. \$149.95.

Vellurattil, Rosalyn Padiyara. Pharmacy research: a how-to guide for students, residents, and new practitioners. Washington, DC, 2015. ISBN: 9781582122410. \$24.95.

*Title recommended for first purchase.

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 URL:
<http://scientific.thomsonreuters.com/products/ssci/>.

E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES

*Jonas and Kovner's health care delivery in the United States. 10th ed. New York: Springer; 2011. ISBN: 9780826106872. \$80.00.

McCarthy, Robert L.; Schafermeyer, Kenneth W. Introduction to health care delivery: a primer for pharmacists. 5th ed. Burlington, MA, 2012. ISBN: 9780763790882. \$101.95.

*Smith, Michael Ira; Wertheimer, Albert I.; Fincham, Jack E., ed. Pharmacy and the U.S. health care system. 4th ed. New York: Pharmaceutical Products Press; 2013. ISBN: 9780857110220. \$89.95.

E.1.a EPIDEMIOLOGY

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

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

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

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

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

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

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

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

E.1.b PHARMACOECONOMICS

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

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

*Title recommended for first purchase.

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

Rascati, Karen. Essentials of pharmacoeconomics. 2nd ed. Philadelphia, 2013. ISBN: 9781451175936. \$79.99.

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 ed. Philadelphia, 2011. ISBN: 9781437709094. \$87.95.

Berger, Bruce A.; Villaume, William A. Motivational interviewing for health care professionals: a sensible approach. Washington, 2013. ISBN: 9781582121802. \$35.00.

Falvo, Donna R. Effective patient education: a guide to increased compliance. 4th ed. Sudbury, 2011. ISBN: 9780763796181. \$127.95.

Galt, Kimberly A.; and Galt, Michael. Patient-centered care for pharmacists. Bethesda, 2012. ISBN: 9781585282524. \$57.00.

Mayer, Gloria G.; Villaire, Michael. Health literacy in primary care: a clinician's guide. New York, 2007. ISBN: 9780826102294. \$65.00.

Osborne, Helen. Health literacy from A to Z: practical way to communicate your health message. 2nd ed. Burlington, MA, 2013. ISBN: 9781449600532. \$39.95.

Purtilo, Ruth; Haddad, Amy; Doherty, Regina. Health professional and patient interaction. 8th ed. St. Louis, 2014. ISBN: 9781455728985. \$59.95.

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

Tietze, Karen J. Clinical skills for pharmacists: a patient-focused approach. 3rd ed. St. Louis, 2004. ISBN: 9780323077385. \$78.95.

E.2.a DISEASE STATE MANAGEMENT

*Blenkinsopp, Alison; Paxton, Paul; Blenkinsopp, John. Symptoms in the pharmacy; a guide to the management of common illness. 6th ed. Malden, MA, 2009. ISBN: 9781405180795. \$64.95.

Kohlstadt, Ingrid, ed. Food and nutrients in disease management. New York: Informa Healthcare; 2013. ISBN: 9781420067620. \$159.95.

Nuovo, Jim, ed. Chronic disease management. New York: Springer; 2006. ISBN: 9780387329277. \$99.00.

*Title recommended for first purchase.

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

Remington, Patrick L.; Borwnson, Ross C.; Wegner, Mark V., eds. Chronic disease epidemiology and control. 4th ed. Atlanta: American public Health Association; 2016. ISBN: 9780875532776. \$85.00.

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

Physician's desk reference for nonprescription drugs and dietary supplements. Montvale, NJ: Medical Economics; annual. ISBN: 1563634783. 2004, \$58.95. Also available with the PDR Electronic Library on CD-ROM and on the Internet.

*Krinsky, Daniel L.; Ferreri, Stefanie P.; Hemstreet, Brian, et al., eds. Handbook of nonprescription drugs: an interactive approach to self-care. 18th ed. Washington, DC: American Pharmacists Association; 2015. ISBN: 1582122253. \$189.95.

E.3.0 PHARMACISTS' PROFESSIONAL DEVELOPMENT

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

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

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

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

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

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

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

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

Soric, Mate M.; Schneider, Stacey R.; and Wisneski, S. Scott. The effective pharmacy preceptor. 2017 ed. Bethesda, MD) American Society of Health-system Pharmacists; 2017.

*Title recommended for first purchase.

E.3.a COMMUNICATION SKILLS

- *Beardsley, Robert S.; Kimberlin, Carole L.; Tindall, William N., eds. *Communication skills in pharmacy practice: a practical guide for students and practitioners*. 6th ed. Philadelphia: Lippincott Williams & Wilkins; 2011. ISBN: 9781608316021. \$51.99.
- Berger, Bruce A. *Communication skills for pharmacists: building relationships, improving patient care*. 3rd ed. Washington, DC, 2009. ISBN: 9781582121321. \$42.95.
- Liu, Min; and Butler, Lakesha M. *Patient communication for pharmacy: a case-study approach on theory and practice*. Burlington, MA, 2017. ISBN: 9781284038880. \$67.95.
- O'Toole, Glyn. *Communication: core interpersonal skills for health professionals*. 2 ed. London, 2012. ISBN: 9780729541008. \$79.95.

E.3.b EDUCATION

- McKeachie's teaching tips: strategies, research, and theory for college and university teachers. 14th ed. Belmont, CA: Wadsworth; 2014. ISBN: 9781133936794. \$99.95.
- Anderson, Lorin W.; Krathwohl, David R.; Airasian, Peter W.; Cruikshank, Kathleen A.; Mayer, Richard E.; Pintrich, Paul R.; Raths, James; Wittrock, Merlin C., eds. *A taxonomy for learning, teaching and assessing: a revision of Bloom's taxonomy of educational objectives*. New York: Longman; 2000. ISBN: 9780801319037. \$99.60.
- Angelo, Thomas A.; Cross, K. Patricia. *Classroom assessment techniques; a handbook for college teachers*. 2nd ed. San Francisco, 1994. ISBN: 9781555425005. \$54.00.
- Barkley, Elizabeth F.; Cross, Patricia K.; Major, Claire Howell, eds. *Collaborative learning techniques: a handbook for college faculty*. 2nd ed. San Francisco: Jossey-Bass; 2014. ISBN: 9781118761557. \$45.00.
- Cuellar, Lourdes M.; Ginsburg, Diane B., eds. *Preceptor's handbook for pharmacists*. 3rd ed. Bethesda: American Society of Health-System Pharmacists; 2015. ISBN: 9781585284955. \$46.00.
- Fink, L. Dee. *Creating significant learning experiences: an integrated approach to designing college courses*. 2nd ed. San Francisco, 2013. ISBN: 9781118124253. \$38.00; also available as an e-book.
- Hall, Gary D.; Reiss, Barry S. *Lange Q&A pharmacy*. 10th ed. New York, 2011. ISBN: 9780071740678. \$61.00; also available as an e-book.
- Harmon, Robin, ed. *Handbook of pharmacy health education*. 2nd ed. London, England: Pharmaceutical Press; 2001. ISBN: 9780853694717. \$65.00.
- King, Patricia; Kitchener, Karen S. *Developing reflective judgment: understanding and promoting intellectual growth and critical thinking in adolescents and adults*. San Francisco, 1994. ISBN: 9781555426293. \$45.00.
- Roblyer, Margaret D. *Integrating educational technology into teaching*. 7th ed. Boston, 2015. ISBN:

*Title recommended for first purchase.

9780133792799. \$142.50.

Soric, Mate M., ed. Maximize Your Rotations: ASHP's Student Guide to IPPEs, APPEs, and Beyond. Bethesda, MD: American Society of Health-system Pharmacists; 2013. ISBN: 9781585283545 \$42.00.

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.

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.

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

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

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

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

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

E.3.c INTERPROFESSIONAL EDUCATION

Barr, Hugh; Koppel, Ivan; Reeves, Scott; Hammick, Marilyn; Freeth, Della. Effective interprofessional education: argument, assumption and evidence. Malden, MA, 2005. ISBN: 9781405116541. \$99.99.

Bromage, Adrian; Clouder, Lynn; Thistlethwaite, Jill, et al. Interprofessional e-learning and collaborative work: practices and technologies. Hershey, PA, 2010. ISBN: 9781615208890. \$180.00.

Freeth, Della; Hammick, Marilyn; Reeves, Scott; Koppel, Ivan; Barr, Hugh. Effective interprofessional education: development, delivery, and evaluation. Malden, MA, 2005. ISBN: 9781405116534.

*Title recommended for first purchase.

\$99.99.

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

*Institute of Medicine. Interprofessional education for collaboration: learning how to improve health from interprofessional models across the continuum of education to practice. Washington, DC, 2013. ISBN: 9780309263498. \$45.00; free pdf version

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

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

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

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

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

International Association for Interprofessional Education and Collaborative Practice. URL: <http://www.interedhealth.org/>

E.3.d CULTURAL COMPETENCY

*Brannigan, Michael C.. Cultural fault lines in healthcare: Reflections on cultural competency. Lanham, MD, 2012. ISBN: 9780739149676. \$74.00.

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

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

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

*Halbur, Kimberly V.; Halbur, Duane A; and American Pharmacists Association, eds. 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, 2016. ISBN: 9781138999459. \$49.95.

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

Liu, Min; Butler, Lakesha M. Patient Communication for Pharmacy. A case-study approach on theory and

*Title recommended for first purchase.

- practice. Sudbury, MA, 2017. ISBN: 9781284038880. \$69.95.
- Martin, Marcus L.; Heron, Sheryl L.; Moreno-Walton, Lisa; Jones, Anna W, eds. Diversity and Inclusion in Quality Patient Care. New York: Springer; 2016. ISBN: 9783319228396. \$129.00.
- Pâerez, Miguel A.; and Luquis, Raffy R, eds. Cultural competence in health education and health promotion. 2nd ed. San Francisco, CA: Jossey-Bass; 2014. ISBN: 9781118347492. \$80.00.
- *Purnell, Larry D. Guide to culturally competent health care 4th ed. Philadelphia, 2013. ISBN: 9780803637054. \$64.95.
- Sias, Jeri J.; James, Susana V.; De Martinez, Cristina Cabello C., et al. Spanish for the pharmacy professional. Washington, DC, 2009. ISBN: 9781582121208. \$49.50.
- Smith, Patricia, ed. Disability and Culture: An international and Inter-professional perspective. Champaign, IL: Common Ground Publishing; 2015. ISBN: 9781612299433. \$40.00.
- Sobo, Elisa J. The cultural context of health, illness, and medicine. 2nd ed. Santa Barbara, Calif., 2010. ISBN: 9780313377853. \$49.00.
- *Sorajjakool, Siroj; Carr, Mark F.; and Nam, Julius J., eds. World religions for healthcare professionals. 2nd ed. New York: Routledge; 2017. ISBN: 9781138189140. \$49.95.
- *Spector, Rachel E. Cultural diversity in health and illness. 8th ed. Boston, 2012. ISBN: 9780132840064. \$71.20.
- Stuart, Barbara; Cherry, Catherine; and Stuart, Jill. Pocket guide to culturally sensitive health care. 2nd ed. Philadelphia, PA, 2011. ISBN: 9780803622630. \$34.95.
- *Tseng, Wen-Shing; and Streltzer, Jon. Cultural competence in health care. New York, 2008. ISBN: 9780387721705. \$69.99.
- Waugh, Earle; Szafran, Olga; Triscott, Jean A.C.; Parent, Roger. Cultural Competency Skills for Health Professionals: A workbook for caring across cultures. Toronto, Canada, 2014. ISBN: 9781550596205. \$79.95. Includes DVD.
- *White, Augustus A.; and Chanoff, David. Seeing patients: Unconscious bias in health care. Cambridge, Mass., 2011. ISBN: 9780674049055. \$31.50.
- *White, Joseph L.; and Henderson, Sheila J, eds. Building multicultural competency: Development, training, and practice. Lanham, MD: Rowman & Littlefield Publishers; 2008. ISBN: 9780742564206. \$79.00.

E.4.0 PROFESSIONAL PRACTICE

- *Remington: the science and practice of pharmacy. 22nd ed. Philadelphia: Pharmaceutical Press; 2012. ISBN: 9780857110626. \$185.00.
- Chisholm-Burns, Marie A.; Vaillancourt, Allison M.; Shepherd, Marv, eds. Pharmacy management, leadership, marketing and finance. Sudbury, MA: Jones and Bartlett; 2011. ISBN: 9781449613433. \$56.95.

*Title recommended for first purchase.

- Desselle, Shane P.; Zgarrick, David P., eds. Pharmacy management: essentials for all practice settings. 2nd ed. New York: McGraw-Hill; 2008. ISBN: 9780071494366. \$57.95.
- Harding, Geoffrey; and Taylor, Kevin, eds. Pharmacy practice. 2nd ed. Boca Raton: CRC Press, Taylor & Francis Group; 2016. ISBN: 9781482253429. \$99.00.
- Holdford, David A. Marketing for pharmacists. 2nd ed. Washington, DC, 2007. ISBN: 9781582121062. \$55.00.
- Lauster, Colleen C; and Srivastava, Sneha B. Fundamental skills for patient care in pharmacy practice. Burlington, 2014. ISBN: 9781449652722. \$81.95.
- Peterson, Andrew M., and William N. Kelly, eds. Leadership and management in pharmacy practice. Boca Raton, FL: CRC Press; 2014. ISBN: 9781466589629. \$79.96.
- Practitioners, Joint Commission of Pharmacy. Pharmacist's Patient-Care Process. Washington, DC; 2014.
- Thompson, Judith E.; Davidow, Lawrence. A practical guide to contemporary pharmacy practice. 3rd ed. Philadelphia, 2009. ISBN: 9780781783965. \$75.95.

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

- Buerki, Robert A, Vottero, Louis D. Pharmacy Ethics: A Foundation for Professional Practice. Washington DC, 2013. ISBN: 9781582121796. \$43.95.
- *Veatch, Robert; Haddad, Amy, eds. Case studies in pharmacy ethics. 2nd ed. Oxford, England: Oxford; 2008. ISBN: 9780195308129. \$29.99.

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

- American College of Apothecaries. URL: <http://www.americancollegeofapothecaries.com/>
- American Pharmacists Association: APHA. URL: <http://www.pharmacist.com>
- American Society of Health-System Pharmacists: ASHP. URL: <http://www.ashp.org>
- National Community Pharmacists Association: NCPA. URL: <http://www.ncpanet.org/>
- Pharmacy Compounding Accreditation Board: PCAB. URL: <http://www.pcab.info/>
- U.S. Pharmacopeia: United States Pharmacopeial Convention. URL: <http://www.usp.org>
- American Society of Consultant Pharmacists. ASCP 2011. URL: <http://www.ascp.com>
- National Alliance of State Pharmacy Associations. NASPA 2011. URL: <http://www.ncspae.org>

*Title recommended for first purchase.

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, 2007. ISBN: LCCN: 2004235207. \$99.00 with membership.

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

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

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

Rutter, Paul. Community pharmacy: symptoms, diagnosis and treatment. 4th ed. New York, 2017. ISBN: 9780702069970. \$63.99.

Waterfield, Jon. Community pharmacy handbook. Chicago, 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, 2003. ISBN: 9781566769532. \$84.95.

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

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

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

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.

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 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.

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

Holdford, David A.; and Brown, Thomas R, eds. Introduction to hospital and health-system pharmacy practice. Bethesda: American Society of Health-System Pharmacists; 2010. ISBN: 9781585282371. \$51.00.

Kienle, Patricia; Murdaugh, Lee B; Uselton, John P. Assuring continuous compliance with Joint Commission standards: a pharmacy guide. 8th ed. Bethesda, 2010. ISBN: 9781585282425. \$153.00.

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 Bethesda: American Society of Health-System Pharmacists. URL: <http://www.ashpmedia.org/ppmi/>

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

E.4.c HOME HEALTH CARE

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

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

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, 2008. ISBN: 9781599402604. \$110.00.

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

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

*Title recommended for first purchase.

E.4.d MANAGED CARE

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

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

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

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

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

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

E.4.d - X.7 MANAGED CARE - WEB SITES

*Academy of Managed Care Pharmacy: Academy of Managed Care Pharmacy; 1989-. URL: <http://www.amcp.org/>

Centers for Medicare and Medicaid Services: Centers for Medicare and Medicaid Services; 2005. URL: <http://www.cms.hhs.gov/>

The Henry J. Kaiser Family Foundation: Henry J. Kaiser Family Foundation; 2005. URL: <http://www.kff.org/>

X.1.0 HISTORY

*Kremers and Urdang's history of pharmacy. 4th rev. ed. Madison, WI: American Institute of the History of Pharmacy; 1976. ISBN: 0931292174. \$50.00.

The pharmaceutical century: ten decades of drug discovery. Washington, DC: American Chemical Society; 2000. ISBN. o.p.?

Anderson, Lee; Higby, Gregory J. The spirit of voluntarism: a legacy of commitment and contribution: the United States Pharmacopeia 1820-1995+. Rockville, MD, 1995. ISBN: 0913595888. \$30.00.

Burger, Alfred, ed. Drugs and people: medications, their history and origins, and the way they act. Ann Arbor: Books on Demand; 1988. ISBN: 0813910854. \$57.70.

Elenbaas, Robert M.; and Worthen, Dennis B. Clinical Pharmacy in the United States: transformation of a profession. Kansas City, MO, 2010. ISBN: 9781932658682. \$59.95.

Griffenhagen, George B.; Higby, Gregory J.; Sonnedecker, Glenn; Swann, John Patrick, eds. 150 years of

*Title recommended for first purchase.

- caring: a pictorial history of the APhA. New York: McGraw Hill Professional; 2002. ISBN: 1582120404. \$99.00.
- Griggs, Barbara. Green pharmacy: the history and evolution of western herbal medicine. 3 ed. Rochester, VT, 1997. ISBN: 9780892817276. \$17.21.
- Henderson, Metta Lou, ed. American women pharmacists: contributions to the profession. London: Informa Healthcare; 2002. ISBN: 0789010925. \$34.95.
- Higby, Gregory J. In service to American pharmacy: the professional life of William Procter, Jr. Tuscaloosa, 1992. ISBN: 9780817305918. \$15.00.
- Higby, Gregory J. One hundred years of the National Formulary: a symposium. Madison, WI, 1989. ISBN: 0931292212. \$8.00.
- Higby, Gregory J.; Stroud, Elaine C. American pharmacy (1852-2002): a collection of historical essays. Madison, WI, 2005. ISBN: 9780931292392. \$20.00.
- Higby, Gregory J.; Stroud, Elaine. Historical hobbies for the pharmacist. 2nd ed. Madison, WI, 1994. ISBN: 0931292336. \$8.00.
- Higby, Gergory J.; Stroud, Elaine C., ed. The inside story of medicines: a symposium. Madison, WI: American Institute of the History of Pharmacy; 1997. ISBN: 9780931292323 \$25.00.
- Maehle, Andreas-Holger. Drugs on trial: experimental pharmacology and therapeutic innovation in the eighteenth century. Atlanta, 1999. ISBN: 9789042007932. \$165.00.
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