

Basic Resources for Pharmacy Education

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**A Service Project of the
Libraries/Educational Resources Section of the
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Edited by Sharon Giovenale and Barbara Nanstiel

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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, and 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's 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 instead is 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. Contributors review their assigned sections of the list and make suggestions for additions and deletions to each. Then the editors compile the suggested additions and deletions and ask an advisory panel of pharmacy librarians and faculty for their approval of the suggested changes. Approved changes are then 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 the year. Our goal is to review the entire list every three years and to publish *Basic Resources* annually.

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 either Sharon Giovenale (Sharon.Giovenale@uconn.edu) or Barbara Nanstiel (barbara.nanstiel@wilkes.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

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.4.0 PROFESSIONAL PRACTICE**
 - E.4.c COMMUNITY PHARMACY**
 - E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY**
 - E.4.c HOME HEALTH CARE**
 - E.4.d MANAGED CARE**
 - E.4.e DRUG USE EVALUATION**
- X.1.0 HISTORY†**
 - X.1.a CLASSICS†**
- X.2.0 INFORMATICS†**
 - X.2.a BIBLIOGRAPHICS 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†**
- X.7 WEB SITES†**

†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

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

Basic Resources for Pharmacy Education

A.0 - X.6.1.c BASIC SCIENCES - ONLINE ABSTRACTS AND INDEXES

BIOSIS previews. Thomson Reuters, updated weekly. Available in a variety of formats and at various prices. Print title: Biological abstracts. URL: <http://www.biosis.org>

CAPlus. CAS, updated daily. Available in a variety of formats and at various prices. Print title: Chemical abstracts. URL: <http://info.cas.org/>

Current contents connect. Thomson Reuters, updated daily. Available in a variety of formats and at various prices. Print title: Current contents. URL: <http://www.thomsonreuters.com>

Science citation index. Thomson Reuters, updated weekly. Available in a variety of formats and at various prices. Also known as SciSearch. URL: <http://www.thomsonreuters.com>

A.1 GENERAL CHEMISTRY

Van Nostrand's encyclopedia of chemistry. 5th ed. New York: Wiley, 2005. ISBN: 9780471615255 \$235.00.

Oxtoby, David W.; Gillis, H.P.; and Campion, Alan. Principles of modern chemistry. 6th ed. Belmont, CA: Thomson Brooks/Cole, 2008. ISBN: 9780534493660. \$225.95.

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

CRC handbook of chemistry and physics. Cleveland, OH: CRC annual. 1978-.

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; Tymoczko, Mark; Stryer, John L., et al. Biochemistry. 6th ed. New York: W. H. Freeman, 2007. ISBN: 9780716787242. \$183.95.

A.3 IMMUNOLOGY

Sunshine, Geoffrey H.; and Coico, Richard. Immunology: a short course. 6th ed. New York: Wiley-Liss, 2007. ISBN: 9780470081587. \$54.95.

U.S. Centers for Disease Control and Prevention; and Atkinson, William, eds. Epidemiology and prevention of vaccine-preventable diseases: the pink book. 11th ed. Atlanta, GA U.S. CDC, 2009. ISBN: 9780017066084. \$35.00. Free online.

A.4.0 MICROBIOLOGY

Harriet Lane handbook of pediatric antimicrobial therapy. Philadelphia: Mosby, Elsevier, 2008. ISBN: 9780323057066. \$69.95.

Hugo and Russell's pharmaceutical microbiology. 7th ed: John Wiley & Sons, 2008. ISBN: 9781405141031. \$110.00; online subscription only.

Alouf, Joseph E.; and Popoff, Michel R., eds. The comprehensive sourcebook of bacterial protein toxins. 3rd ed. Amsterdam, the Netherlands: Elsevier, 2006. ISBN: 9780120884452. \$245.00.

*American Academy of Pediatrics. Committee on Infectious Diseases, ed. Red book: 2009 report of the Committee on Infectious Diseases. 27th ed. Elk Grove Village, IL: The Academy, 2009. ISBN: 9781581103069. \$114.95.

Boelsterli, Urs A. Mechanistic toxicology: the molecular basis of how chemicals disrupt biological targets. 2nd ed. Boca Raton, FL: CRC Press, 2007. ISBN: 9780849372728. \$99.95.

Denyer, Stephen P.; and Baird, R.M. Guide to microbiological control in pharmaceuticals and medical devices. 2nd ed. Boca Raton, FL: CRC Press, 2006. ISBN: 9780748406159. \$164.95.

Greenwood, David. Antimicrobial chemotherapy. 5th ed. New York: Oxford, 2007. ISBN: 9780198570165. \$69.50.

Langel, Ulo. Handbook of cell penetrating peptides. 2nd ed. Boca Raton, FL: CRC Press, 2006. ISBN: 978084935900. \$209.95.

Medical Letter, ed. Handbook of antimicrobial therapy. New Rochelle, NY: Medical Letter, biennial. ISBN: 9780971909380. 2008, 18th ed., \$45.00

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/ScienceResearch/LaboratoryMethods/BacteriologicalAnalyticalManualBAM/default.htm>

Clontz, Lucia. Microbial limit and bioburden tests: validation approaches and global requirements. Boca Raton, FL: CRC Press, 2008. ISBN: 9781420053487. \$189.95.

A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Alberts, Bruce. Molecular biology of the cell. 5th ed. NY: Garland Science, 2008. ISBN: 9780815341055. \$215.00.

Bourne, Philip, E.; and Gu, Jenny. Structural bioinformatics. 2nd ed. Hoboken, NJ: Wiley, 2009. ISBN: 9780470181058. \$99.95.

Groves, Michael J. Pharmaceutical biotechnology. 2nd ed. Boca Raton, FL: Taylor & Francis, 2006. ISBN: 9780849318733. \$141.44.

Guzman, Carlos A.; and Feuerstein, Giora Z. , eds. Pharmaceutical biotechnology. NY: Springer, 2009. ISBN: 9781441911315. \$159.00.

Ho, Rodney J. Y.; and Gibaldi, Milo. Biotechnology and biopharmaceuticals: transforming proteins and genes into drugs. Hoboken, NJ: Wiley, 2005. ISBN: 9780471704218 \$112.95.

Kalow, Werner; Meyer, Urs, A.; and Tyndale, Rachel F., eds. Pharmacogenomics. 2nd ed. Boca Raton, FL: Taylor and Francis, 2005. ISBN: 9781574448788 \$249.95.

Larson, Richard S. Bioinformatics and drug discovery. Totowa, NJ: Humana Press, 2006. ISBN: 9781588293466 \$149.00.

Lodish, Harvey F.; Berk, Arnold; and Kaiser, Chris A. Molecular cell biology 6th ed. NY: W.H. Freeman, 2007. ISBN: 9780716776017 \$170.00.

Seethala, Ramakrishna; and Zhang, Litao, eds. Handbook of drug screening. New York: Informa Healthcare, 2009. ISBN: 9781420061680. \$270.00.

Walker, John M.; and Rapley, Ralph. Molecular biology and biotechnology. 5th ed. Cambridge: Royal Society of Chemistry, 2009. ISBN: 9780854041251 \$99.00.

Yan, Qing ed. Pharmacogenomics in drug discovery and development. Totowa, NJ: Humana, 2009. ISBN: 9781588298874. \$99.50.

A.4.a - X.1.0 MOLECULAR BIOLOGY AND BIOTECHNOLOGY - HISTORY

Newell-Mcgloughlin, Martina; and Re, Edward. The evolution of biotechnology: from natufians to nanotechnology, 2006. ISBN: 9781402051487 \$129.00.

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

Bains, William. Biotechnology from A to Z. 3rd ed. New York: Oxford, 2007. ISBN: 9780198524984. \$69.99.

Cammack, Richard, ed. Oxford dictionary of biochemistry and molecular biology. Rev. ed. Oxford, England: Oxford, 2006. ISBN: 9780198529170 \$109.99.

Cseke, Leland J. Handbook of molecular and cellular methods in biology and medicine 2nd ed. Boca Raton, FL: CRC, 2004. ISBN: 9780849308154. \$165.00. 3rd ed. due 11/2010.

Gad, Shayne C ed. Handbook of pharmaceutical biotechnology. Hoboken, NJ: Wiley, 2007. ISBN: 9780471213864. \$195.00.

Kahl, Gunter. The dictionary of genomics, transcriptomics and proteomics. 4th ed, Hoboken, NJ; John Wiley, 2009. ISBN: 9783527320738. \$645.00 /Three volume set.

Nill, Kimball R., ed. Glossary of biotechnology and nanobiotechnology terms. 4th ed. Boca Raton, FL: Taylor and Francis, 2006. ISBN: 9780849366093 \$104.95.

Singleton, Paul; and Sainsbury, Diana, eds. Dictionary of microbiology and molecular biology. rev. ed. Hoboken, NJ: Wiley, 2006. ISBN: 9780470035450. \$120.00.

A.4.a - X.3 MOLECULAR BIOLOGY AND BIOTECHNOLOGY - LAWS, LEGISLATION, REGULATIONS, AND ETHICS

Brown, Stuart M. Essentials of medical genomics. 2nd ed. Hoboken, NJ: Wiley, 2009. ISBN: 9780470140192. \$89.95.

Evens, Ronald P., ed. Drug and biological development: from molecule to product and beyond NY: Springer, 2007. ISBN: 9780387690940. \$109.00.

Rothstein, Mark A., ed. Pharmacogenomics: social, ethical, and clinical dimensions. Hoboken, NJ: Wiley, 2003. ISBN: 9780471227694. \$90.95.

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

IDIS: Iowa drug information service. Division of Drug Information Service, College of Pharmacy, University of Iowa. Available in a variety of formats and at various prices. URL: <http://www.uiowa.edu/~idis/idisweb.htm>

IPA: international pharmaceutical abstracts. Thomson Reuters. Available in a variety of formats and at various prices. URL: <http://scientific.thomson.com/products/ipa/>

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

American Association of Pharmaceutical Scientists. URL: <http://www.aapspharmaceutica.com/index.asp>

B.1 MEDICINAL CHEMISTRY

*Foye's principles of medicinal chemistry. 6th ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781768795. \$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. 1965-. 2009, vol. 4, \$156.00.

*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. 3rd ed. London, England: Pharmaceutical Press, 2008. ISBN: 9780853697549. \$50.00.

Lemke, Thomas L. Review of organic functional groups: introduction to medicinal organic chemistry. 5th ed. Philadelphia: Wolters Kluwer Lippincott Williams & Wilkins Health, 2012. ISBN: 9781608310166. \$50.00.

Nogrady, Thomas. Medicinal chemistry: a molecular and biochemical approach. 3rd ed. New York: Oxford, 2005. ISBN: 9780195104554. \$105.00.

Patrick, Graham L. An introduction to medicinal chemistry. 4th ed. New York: Oxford University, 2009. ISBN: 9780199234479. \$64.50.

Silverman, Richard B. The organic chemistry of drug design and drug action. 2nd ed. Amsterdam: Academic Press, 2004. ISBN: 9780126437324. \$102.00.

Thomas, Gareth. Medicinal chemistry: an introduction. 2nd ed. New York: Wiley, 2007. ISBN: 9780470025970 \$179.00. Also available in paperback

B.1 - X.2.b MEDICINAL CHEMISTRY - HANDBOOKS AND DICTIONARIES

Negwer, Martin. Organic-chemical drugs and their synonyms. 9th ed. New York: Wiley-VCH, 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. 2003-. 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

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

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

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

B.2 PHARMACOGNOSY AND NATURAL PRODUCTS

Total synthesis of natural products. New York: Wiley, 1973-1999. ISBN: 978047158083. Vol. 1-11, \$2860.00.

*Trease and Evans' pharmacognosy. 16th ed. Edinburgh, Scotland: Saunders, 2009. ISBN: 9780702029332. \$126.00.

*Awang, Dennis V.C. Tyler's herbs of choice: the therapeutic use of phytomedicinals. 3rd ed. Boca Raton: CRC Press, 2009. ISBN: 0789028093. \$109.95.

Blumenthal, Mark; Goldberg, Alicia; and Brinckmann, Josef, eds. Herbal medicine: expanded Commission E monographs. Newton, MA: Integrative Medicine Communications, 2000. ISBN: 9780967077239. \$59.95.

Colegate, Steven M.; and Molyneux, Russell J., eds. Bioactive natural products: detection, isolation, and structural determination. Boca Raton, FL: CRC, 2007. ISBN: 9780849372582. \$226.95

Cupp, Melanie J., ed. Toxicology and clinical pharmacology of herbal products. Totowa, NJ: Humana, 2000. ISBN: 9780896037915. \$129.00.

Cupp, Melanie J.; and Tracy, Timothy S., eds. Dietary supplements: toxicology and clinical pharmacology. Totowa, NJ: Humana, 2003. ISBN: 9781588290144 \$119.00.

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

Foster, Steven; Hobbs, Christopher; and Peterson, Roger Tory Eds., ed. Field guide to western medicinal plants and herbs. Boston: Houghton Mifflin, 2002. ISBN: 9780395838068. \$22.00.

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

Huang, Kee Chang; and Williams, W. Michael. The pharmacology of Chinese herbs. 2nd ed. Boca Raton, FL: CRC Press, 1999. ISBN: 9780849316654. \$226.95.

Kayne, Steven. Homeopathic pharmacy: an introduction and handbook. 2nd ed. New York: Churchill Livingstone, 2006. ISBN: 9780443101601. \$79.95.

Mahady, Gail B.; Fong, Harry H.S.; and Farnsworth, N.R. Botanical dietary supplements: quality, safety and efficacy. Exton, PA: Lisse, 2001. ISBN: 9789026518553. \$167.95.

Mathieu, Mark, ed. Biologics development: a regulatory overview. 3rd ed. Centreville, VA: Barnett Educational, 2004. ISBN: 9781882615674. \$145.00.

Miller, Lucinda G.; and Murray, Wallace J., eds. Herbal medicinals: a clinician's guide. New York: Informa Healthcare, 1999. ISBN: 9780789004673. \$39.95. paperback only.

Natural Standard. Herb & supplement guide: evidence based reference. St. Louis: Mosby, 2010. ISBN: 9780323072953. \$74.95 available in a variety of formats. Free patient edition available through MedlinePlus: drugs and supplements section.

Nigg, Herbert N.; and Seigler, David, eds. Phytochemical resources for medicine and agriculture. New York: Plenum, 1992. ISBN: 9780306442452. \$285.00.

Rotblatt, Michael; and Ziment, Irwin, eds. Evidence-based herbal medicine. Philadelphia: Hanley & Belfus, 2002. ISBN: 9781560534471. \$48.95.

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

Von Reis, Siri; and Lipp, Frank J., Jr. New plant sources for drugs and foods from the New York Botanical Garden herbarium. Cambridge, MA: Harvard, 1982. ISBN: 9780674617650. \$65.00.

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

Duke's handbook of medicinal plants of the Bible. Boca Raton, FL: CRC Press, 2007. ISBN: 9780849382024. \$97.95.

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

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

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

Weiss, Rudolf Fritz; and Fintelmann, Volker. Herbal medicine. 2nd rev. ed. Stuttgart, Germany: Thieme Medical Publishers, Inc., 2000. ISBN: 9780865779709. \$69.95.

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

AltMedDex system. Thomson MICROMEDEX, updated quarterly. MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available on CD-ROM and online.

*Tyler's honest herbal: a sensible guide to the use of herbs and related remedies. 4th ed. New York: Routledge, 1999. ISBN: 9780789007056. \$165.00. Paperback ISBN: 9780789008756. \$41.95.

PDR for herbal medicines. 4th ed. Montvale, NJ: Thomson Healthcare, 2007. ISBN: 9781563636783. \$59.95.

Barnes, Joann; Anderson, Linda A.; and Phillipson, J. David. Herbal medicines. 3rd ed. London, England: Pharmaceutical Press, 2007. ISBN: 9780853696230. \$129.99; Available in a variety of formats.

Duke, James A.; Bogenschulz-Godwin, Mary Jo; and Duke, Peggy-Ann K. Handbook of medicinal herbs. 2nd ed. Boca Raton, FL: CRC, 2002. ISBN: 9780849312847. \$267.95.

Duke, James A.; Foster, Steven; and Peterson, Roger Tory, eds. Field guide to medicinal plants and herbs: of eastern and central North America. Boston: Houghton Mifflin, 1999. ISBN: 9780395988145. \$19.00.

Leung, Albert Y.; and Foster, Steven. Encyclopedia of common natural ingredients used in food, drugs, and cosmetics. 2nd ed. New York: Wiley, 2003. ISBN: 9780471471288. \$170.00.

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

Ross, Ivan A. Medicinal plants of the world: chemical constituents, traditional and modern medicinal uses. 2nd ed. Totowa, NJ: Humana, 2003-. ISBN: 9781588292810 (vol. 1); 9780896038776 (vol. 2); 9781588291295, (vol. 3). Vol. 1,3, \$169.00 each; vol. 2 \$199.00.

Shapiro, Karen. Natural products: a case-based approach for health professionals. Washington, DC: American Pharmacists Association, 2006. ISBN: 9781582120690 \$50.00.

*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.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

Wagner, Hildebert H.; and Bladt, Sabine. Plant drug analysis: a thin layer chromatography atlas. 2nd ed. New York: Springer, 1996. ISBN: 9783642005732 \$129.00.

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

American Society of Pharmacognosy. The Society. URL: <http://www.phcog.org/>

Dietary supplements labels database: brands, ingredients, and references. U. S. National Library of Medicine, 2007. Free. URL: <http://dietarysupplements.nlm.nih.gov/dietary/>

DrugDigest: herbs and supplements. Express Scripts, updated daily. URL: <http://www.drugdigest.org/DD/DVH/Herbs/0,3913,,00.html>

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

*Jellin, Jeff, ed. Natural medicines comprehensive database. Stockton, CA: Therapeutic Research Center, annual, 1999-. \$92.00 year; \$59.00 for single user, if ordered with Yearly Web or PDA; available in a variety of formats.

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

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

B.3.0 PHARMACEUTICS

*Ansel's pharmaceutical dosage forms and drug delivery systems. 9th ed. Philadelphia: Lippincott Williams & Wilkins, 2011. ISBN: 9780781779340. \$64.95.

Aulton's pharmaceuticals: the design and manufacture of medicines. 3rd ed. Edinburgh, Scotland: Churchill Livingstone, 2007. ISBN: 9780443101083. \$97.00.

Gibaldi's drug delivery systems in pharmaceutical care. Bethesda: American Society of Health-System Pharmacists, 2007. ISBN: 9781585281367. \$102.00.

Approved bioequivalency codes. St. Louis: Facts and Comparisons, loose-leaf, updated monthly. ISBN: 9780932686756. \$280.00.

*Martin's physical pharmacy and pharmaceutical sciences: physical chemical and biopharmaceutical principles in the pharmaceutical sciences. 6th ed. Philadelphia: Lippincott Williams & Wilkins, 2011. ISBN: 9780781797665. \$82.95.

*Trissel's stability of compounded formulations. 4th ed. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121253. \$133.00.

*Title recommended for first purchase

*Allen, Loyd V., Jr. The art, science and technology of pharmaceutical compounding. 3rd ed. Washington: American Pharmacists Association, 2008. ISBN: 9781582121109. \$77.00.

*Ansel, Howard C. Pharmaceutical calculations. 13th ed. Philadelphia: Lippincott Williams & Wilkins, 2010. ISBN: 9781582558370. \$77.95.

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

Brown, Meta; and Mulholland, Joyce L. Drug calculations: process and problems for clinical practice. 8th ed. St. Louis: Mosby, 2007. ISBN: 9780323045766. \$58.95.

*Florence, Alexander T.; and Siepmann, Jurgen, eds. Modern pharmaceuticals. 5th ed. New York: Dekker, 2008. ISBN: 9781420065701. \$449.95.

Ghosh, Tapash K.; and Jasti, Bhaskara R., eds. Theory and practice of contemporary pharmaceuticals. Boca Raton, FL: Taylor & Francis, 2004. ISBN: 9780415288637. \$95.95.

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*Zatz, Joel L.; and Teixeira, Maria Glauca. Pharmaceutical calculations. 4th ed. New York: Wiley-Interscience, 2005. ISBN: 9780471433538. \$76.50.

B.3.0 - X.7 PHARMACEUTICS - WEB SITES

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B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS

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Burton, Michael E.; Shaw, Leslie M.; Schentag, Jerome J., et al., eds. Applied pharmacokinetics and pharmacodynamics: principles of therapeutic drug monitoring. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2006. ISBN: 9780781744317. \$79.95.

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

Macheras P, Iliadis A, ed. Modeling in biopharmaceutics, pharmacokinetics, and pharmacodynamics: homogeneous and heterogeneous approaches. New York: Springer, 2010. ISBN: 9780387281780. \$84.95.

Meibohm, Bernd, ed. Pharmacokinetics and pharmacodynamics of biotech drugs: principles and case studies in drug development. Weinheim, Germany: Wiley, 2007. ISBN: 9783527314089. \$230.00.

Mrsny Randall J, Daugherty Ann L, ed. Proteins and peptides: pharmacokinetic, pharmacodynamic, and metabolic outcomes. New York: Informa Healthcare, 2009. ISBN: 9781420078060. \$300.00.

Otvos, Laszlo, ed. Peptide-based drug design: methods and protocols. Totowa, NJ: Humana Press, 2008. ISBN: 9781588299901. \$119.00

Ritschel, Wolfgang A.; and Kearns, Gregory L. Handbook of basic pharmacokinetics. 7th ed. Hamilton, IL: American Pharmacists Association, 2009. ISBN: 9781582121260. 72.00.

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*Shargel, Leon; Wu-Pong, Susanna; and Yu, Andrew. Applied biopharmaceutics and pharmacokinetics. 5th ed. New York: McGraw-Hill, 2004. ISBN: 9780071375504. \$71.95.

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Winter, Michael E. Basic clinical pharmacokinetics. 5th ed. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9780781779036. \$67.95.

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

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

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

De Muth, James. Basic statistics and pharmaceutical statistical applications. 2nd ed. New York: Dekker, 2006. ISBN: 9780849337994. \$89.95.

Tallis, Nigel; and Arnold-Foster, Kate. Pharmacy history: a pictorial record; photographs from the museum of the Royal Pharmaceutical Society of Great Britain. London, England: Pharmaceutical Press, 1991. ISBN: 9780853692416 \$15.00.

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

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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 \$96.26.

Bannwarth, Willi; and Hinzen, Berthold, eds. Combinatorial chemistry: from theory to application. 2nd ed. New York: Wiley-VCH, 2006. ISBN: 9783527306930. \$251.08. also available online.

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Dunn, Ian S. Searching for molecular solutions: empirical discovery and its future. Hoboken, N.J.: Wiley, 2010. ISBN: 9780470146828. \$115.00.

Hubbard, Roderick E., ed. Structure-based drug discovery: an overview. Cambridge: Royal Society of Chemistry, 2006. ISBN: 9780854043514 \$114.73.

Krogsgaard-Larsen, Povl; Strømgaard, Kristian; and Madsen, Ulf, eds. Textbook of drug design and discovery. 4th ed. Boca Raton: CRC Press, 2010. ISBN: 9781420063226. \$71.96.

Ng, Rick. Drugs: from discovery to approval. 2nd ed. Hoboken, NJ: Wiley-Blackwell, 2009. ISBN: 9780470195109. \$99.95.

Reddy, Indra K; and Reza, Mehvar, eds. Chirality in drug design and development. New York: Dekker, 2004. ISBN: 9780824750626. \$179.96.

Schneider, Gisbert; and Baringhaus, Karl-Heinz. Molecular design: concepts and applications. Weinheim: Wiley-VCH, 2008. ISBN: 978527314324. \$75.00.

Schoenwald, Ronald D. , ed. Pharmacokinetics in drug discovery and development. Boca Raton: CRC Press, 2002. ISBN: 9781566769730. \$83.66.

Silverman, Richard B. The organic chemistry of drug design and drug action. 2nd ed. Amsterdam: Academic Press, 2004. ISBN: 9780126437324. \$102.00.

Smith, Charles G.; and O'donnell, James T., eds. Process of new drug discovery and development. 2nd ed. New York: Informa Healthcare, 2006. ISBN: 9780849327797 \$207.00.

Smith, Dennis A.; Van De Waterbeemd, Han; and Walker, Don K. Pharmacokinetics and metabolism in drug design. 2nd ed. New York: Wiley, 2006. ISBN: 9783527313686 \$144.72; also available online.

Sneider, Walter. Drug discovery: a history. New York: Wiley, 2005. ISBN: 9780471899808 \$74.00; also available online.

Wu-Pong, Susanna; and Rojanasakul, Yongyut, eds. Biopharmaceutical drug design and development. 2nd ed. Totowa, NJ: Humana, 2008. ISBN: 9781588297167 \$160.48.

Yan, Qing ed. Pharmacogenomics in drug discovery and development. Totowa, NJ: Humana, 2009. ISBN: 9781588298874. \$99.50.

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

Werth, Barry. Billion-dollar molecule: one company's quest for the perfect drug. New York: Simon & Schuster, 1994. ISBN: 9780671510572 \$16.00.

B.5.0 INDUSTRIAL

Agrawal, Madhu. Global competitiveness in the pharmaceutical industry: the effect of national regulatory, economic, and market factors. New York: Haworth Press, 1999. ISBN: 0789007150. \$69.95.

Cole, Graham. Pharmaceutical production facilities: design and applications. London, England: CRC Press, 1998. ISBN: 0748404384. \$138.00.

Craig, Duncan Q. M. Dielectric analysis of pharmaceutical systems. Boca Raton, FL: CRC Press, 1995. ISBN: 013210279X. \$152.96.

Gad, Shayne C., ed. Safety assessment for pharmaceuticals. Indianapolis: John Wiley & Sons, Inc., 1995. ISBN: 0471283851. \$148.00.

Gadamasetti, Kumar C., ed. Process chemistry in the pharmaceutical industry. New York: Dekker, 1999. ISBN: 0824719816. \$195.00.

Ghebre-Sellassie, I., ed. Pharmaceutical pelletization technology. New York: Dekker, 1989. ISBN: 082478085X. \$165.00.

Guarino, Richard A., ed. New drug approval process: accelerating global registrations. 5th ed. New York: Informa Healthcare, 2009. ISBN: 9781420088496. \$300.00.

Halls, Nigel A. Achieving sterility in medical and pharmaceutical products. New York: Dekker, 1994. ISBN: 0824790146. \$135.00.

Jenkins, Wilmer; and Osborn, Kenton R. Packaging drugs and pharmaceuticals. Lancaster, PA: Technomic, 1993. ISBN: 1566760143. \$139.95.

Klevenz, Heinrich. Industrial pharmaceutical biotechnology. New York: Wiley, 2001. ISBN: 3527299955. \$200.00.

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Mujumdar, A. S. Handbook of industrial drying. 2nd ed. New York: Dekker, 1987. ISBN: 0824705955. 2-vol. set, \$330.

Repic, Oljan. Principles of process research and chemical development in the pharmaceutical industry. New York: Wiley, 1998. ISBN: 0471165166. \$84.95.

Spilker, Bert. Multi-national pharmaceutical companies: principles and practices. 2nd ed. Philadelphia: Lippincott Williams & Wilkins, 1994. \$131.00.

Stonier, Peter D., ed. *Careers with the pharmaceutical industry*. 2nd ed. New York: Wiley, 2003. ISBN: 0470843284. \$55.00.

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Wood, James P., ed. *Containment in the pharmaceutical industry*. New York: Dekker, 2001. ISBN: 0824703979. \$145.00.

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

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

B.5.0 - X.2.b INDUSTRIAL - HANDBOOKS AND DICTIONARIES

*Sheskey, Paul J.; Rowe, Raymond C.; and Weller, Paul J., eds. *Handbook of pharmaceutical excipients*. 4th ed. Washington, DC: Pharmaceutical Press, 2003. ISBN: 1582120226. \$299.00.

B.5.0 - X.4.0 INDUSTRIAL - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

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

Food and Drug Administration. *Current good manufacturing practice for finished pharmaceuticals*. Bradenton, FL: Keystone Press, 2003. ISBN: 9780940701984. Free.

*Willig, Sidney H., ed. *Good manufacturing practices for pharmaceuticals: a plan for total quality control from manufacturer to consumer*. 5th ed. New York: Dekker, 2001. ISBN: 0824704258. \$135.00.

B.5.0 - X.5 INDUSTRIAL - DIRECTORIES

PMD: *Pharmaceutical marketers directory*. Boca Raton, FL: Haymarket Media, annual. 2007/2008: \$260.00.

Braun, David B. *Pharmaceutical manufacturers: an international directory*. Norwich, NY: William Andrews Publishing, 1995. ISBN: 0815513844. \$116.00.

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

International cosmetic ingredient dictionary and handbook. 11th ed. Washington, DC: CTFA, 2006. ISBN: 1882621360. \$795.00 CD-ROM included.

Butler, Hilda. Poucher's perfumes, cosmetics and soaps. 10th ed. Dordrecht, Netherlands: Springer, 2000. ISBN: 0751404799. \$255.60.

Elsner, Peter; and Maibach, Howard I. Cosmeceuticals and active cosmetics: drugs vs. cosmetics. 2nd ed. Boca Raton, FL: Taylor & Francis, 2005. ISBN: 0824759435. \$199.95.

Elsner, Peter; Merk, Hans F.; and Maibach, Howard I., eds. Cosmetics: controlled efficacy studies and regulation. Berlin, Germany: Springer Verlag, 1999. ISBN: 3540640479. \$189.00.

Surburg, Horst; and Panten, Johannes, eds. Common fragrance and flavor materials: preparation, properties and uses. 5th ed. New York: Wiley, 2006. ISBN: 352731315X. \$160.00.

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

Flick, Ernest W., ed. Cosmetic and toiletry formulations. 2nd ed. Norwich, N.Y.: William Andrew Publishing, 1989. ISBN: 0815514549 (vol. 8). Vol. 1, \$195.00; Vol. 2, \$195.00; Vol. 3, \$139.00; Vol. 4, \$145.00; Vol. 5, \$169.00; Vol. 6, \$129.00; Vol. 7, \$167.00; Vol. 8, \$165.00 Available in various formats.

Michalun, Natalia; and Michalun, M. Varinia. Milady's skin care and cosmetic ingredients dictionary. 2nd ed. Albany, NY: Thomson Delmar Learning. ISBN: 1562536605. \$31.95.

Paye, Marc; Barel, Andre O.; and Maibach, Howard I., eds. Handbook of cosmetic science and technology. 2nd ed. Boca Raton, FL: Taylor & Francis, 2006. ISBN: 1574448242. \$249.95.

B.7.0 NUCLEAR AND RADIOPHARMACY

Arshady, Reza, ed. Radiolabeled and magnetic particulates in medicine & biology. London, England: Citus Books, 2001. ISBN: 0953218732. \$100.00.

Christian, Paul E.; Bernier, Donald R.; and Langan, James K., eds. Nuclear medicine and PET: technology and techniques. 5th ed. St. Louis: Mosby, 2003. ISBN: 0323019641. \$118.00.

Kowalsky, Richard J.; Falen, Stephen; and Kowalsky, Richard. Radiopharmaceuticals in nuclear pharmacy & nuclear medicine. 2nd ed. Washington, DC: American Pharmacists Association, 2003. ISBN: 1582120315. \$129.95.

Krause, Werner. Contrast agents III: radiopharmaceuticals from diagnostics to therapeutics. Berlin, Germany: Springer-Verlag, 2005. ISBN: 3540225773. \$189.00.

*Title recommended for first purchase

Nunn, Adrian D., ed. Radiopharmaceuticals: chemistry and pharmacology. New York: Dekker, 1992. \$199.00.

Perkins, Alan C.; and Frier, Malcolm, eds. Nuclear medicine in pharmaceutical research. London, England: Taylor & Francis, 1999. ISBN: 0748406883. \$139.95.

*Saha, Gopal B. Fundamentals of nuclear pharmacy. 5th ed. New York, NY: Springer, 2005. \$69.95.

*Sampson, Charles B., ed. Textbook of radiopharmacy: theory and practice. 3rd ed. Amsterdam, the Netherlands: Gordon & Breach, 1999. ISBN: 905699154X. \$145.00.

Schwochau, Klaus. Technetium: chemistry and radiopharmaceutical applications. New York: Wiley-VCH, 2000. ISBN: 3527294961. \$190.00.

Siegel, Jeffry A. Guide for diagnostic nuclear medicine and radiopharmaceutical therapy. Reston, VA: Society of Nuclear Medicine, 2004. ISBN: 0972647821. \$55.00.

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

Welch, Michael J.; and Redvanly, Carol S., eds. Handbook of radiopharmaceuticals. New York: Wiley, 2002. ISBN: 0471495603. \$310.00.

B.8.0 PHARMACOLOGY

*Goodman & Gilman's the pharmacological basis of therapeutics. 11th ed. ed. New York: McGraw-Hill, 2011. ISBN: 9780071624428. \$179.00.

Rang & Dale's pharmacology. 6th ed. New York: Churchill Livingstone, 2007. ISBN: 9780443069116. \$83.95.

*Brody's human pharmacology: molecular to clinical. 4th ed. Philadelphia: Elsevier Mosby, 2005. ISBN: 9780323032865 \$71.95.

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

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

Cooper, Jack R.; Bloom, Floyd E.; and Roth, Robert H. The biochemical basis of neuropharmacology. 8th ed. New York: Oxford, 2006. ISBN: 9780195140088. \$24.95, o.p.

*Craig, Charles R.; and Stitzel, Robert E. Modern pharmacology with clinical applications. 6th ed. Philadelphia: Lippincott Williams & Wilkins, 2004. ISBN: 9780781737623. \$64.95.

Drummer, Olaf H. Forensic pharmacology of drugs of abuse. London, England: Arnold (dist. in US by Oxford Univ. Press), 2001. ISBN: 9780340762578. \$145.00, o.p.

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

*Title recommended for first purchase

Golan, David E.; Tashjian, Armen H., Jr.; Armstrong, Ehrin J., et al., eds. Principles of pharmacology: the pathophysiologic basis of drug therapy. 2nd ed. Baltimore: Lippincott Williams & Wilkins, 2008. ISBN: 9780781783552. \$74.95.

Harvey, Richard A.; Champe, Pamela C.; Finkel, Richard, et al., eds. Pharmacology. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2008. ISBN: 9780781777559. \$58.95.

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

Kalant, Harold; Grant, Denis; and Mitchell, Jane, eds. Principles of medical pharmacology. 7th ed. Toronto, Canada: Elsevier, 2007. ISBN: 9780779699452. \$89.95.

*Katzung, Bertram G.; Masters, Susan B.; and Trevor, Anthony J., eds. Basic & clinical pharmacology. 11th ed. London, England: McGraw-Hill, 2009. ISBN: 9780071604055. \$64.95.

Lehne, Richard A. Pharmacology for nursing care. 7th ed. St. Louis: Elsevier, 2010. ISBN: 9781416062493. \$89.95.

Neal, Michael J. Medical pharmacology at a glance. 6th ed. Malden, MA: Wiley, 2009. ISBN: 9781405181976. \$39.95.

Page, Clive P.; Curtis, Michael J.; Sutter, Moreley C., et al. Integrated pharmacology. 3rd ed. Philadelphia: Mosby Elsevier Saunders, 2006. ISBN: 9780323040808. \$83.95.

Reents, Stan. Sport and exercise pharmacology. Champaign, IL: Human Kinetics, 2000. ISBN: 9780873229371. \$64.00.

Stringer, Janet L. Basic concepts in pharmacology: a student's survival guide. 3rd ed. New York: McGraw-Hill, 2005. ISBN: 9780071458184. \$36.95.

B.8.0 - X.7 PHARMACOLOGY - WEB SITES

Clinical pharmacology. Gold Standard. price dependent on number of student FTE's; price also includes mobile access; currently in the process of phasing out CD-ROM versions; price does not include access for adjunct professors or preceptors; eligible for discount through letter of incorporation, contact rep for more information on details of eligibility. URL: <http://www.clinicalpharmacology.com/>

B.8.a.0 TOXICOLOGY

Baselt, Randall C. Disposition of toxic drugs and chemicals in man. 8th ed. Foster City, CA: Biomedical Publications, 2008. ISBN: 9780962652370. \$247.50.

Dart, Richard C., ed. Medical toxicology. Philadelphia: Lippincott Williams & Wilkins, 2004. ISBN: 0781728452. \$210.00.

Duffus, John H.; and Worth, G.J., eds. Fundamental Toxicology. London: Royal Society of Chemistry, 2006. ISBN: 9780854046140. \$99.

Harris, Robert L; Bingham, Eula; and Cohrssen, Barbara, eds. Patty's industrial hygiene and toxicology. New York: John Wiley, 2005. ISBN: 9780471700579. 13-vol set \$1250, also available networked for negotiable licensing. Industrial Hygiene and Toxicology are separate products that may be licensed individually.

Hathaway, Gloria J; and Proctor, Nick H eds. Proctor and Hughes' chemical hazards of the workplace. 5th ed. New York: Wiley, 2004. ISBN: 0471268836. \$188.50.

Hayes, A. Wallace, ed. Principles and methods of toxicology. 5th ed. Boca Raton, FL: CRC Press, 2008. ISBN: 9780849337789. \$199.95.

Hodgson, Ernest, ed. A textbook of modern toxicology. 4th ed. Hoboken, NJ: Wiley, 2010. ISBN: 9780470462065. \$115.

*Klaassen, Curtis D, ed. Casarett and Doull's toxicology: the basic science of poisons. 7th ed. New York: McGraw-Hill Medical, 2008. ISBN: 9780071470513. \$115.00.

Lewis, Richard J. Sax's dangerous properties of industrial materials. 11th ed. Hoboken: Wiley-Interscience, 2004. ISBN: 9780471476627. \$675. Also available networked and as CD-ROM.

Lu, Frank C; and Kacew, Sam eds. Lu's basic toxicology: Fundamentals, target organs, and risk assessment. 5th ed. New York: Taylor & Francis, 2009. ISBN: 9781420093117. \$149.95.

Mulder, Gerald J.; and Dencker, L., eds. Pharmaceutical toxicology: safety sciences of drugs. London, England: Pharmaceutical Press, 2006. ISBN: 9780853695936. \$55.00.

*Nelson, Lewis; Lewin, Neal; Howland, Mary Ann, et al. Goldfrank's toxicologic emergencies. 9th ed. New York: McGraw-Hill Professional, 2010. ISBN: 9780071605939. \$259.00.

Olson, Kent R. Poisoning and drug overdose. 5th ed. New York: Lange Medical Books/McGraw Hill, 2006. ISBN: 9780071443333 \$65.95.

Riviere, J. Edmond, ed. Biological concepts and techniques in toxicology: an integrated approach. New York: Taylor & Francis, 2006. ISBN: 082472979X. \$229.95.

Shannon, Michael W.; and Burns, Michael, eds. Haddad and Winchester's clinical management of poisoning and drug overdose. 4th ed. Philadelphia: Saunders/Elsevier, 2007. ISBN: 9780721606934. \$209.00.

Stelljes, Mark E. Toxicology for nontoxicologists. 2nd ed. Lanham, MD: Government Institutes, 2008. ISBN: 9780865871755. \$79.00.

Stine, Karen E.; and Brown, Thomas M. Principles of toxicology. 2nd ed. Boca Raton, FL: CRC/Taylor & Francis, 2006. ISBN: 084932856X. \$79.95.

Timbrell, John A. Principles of Biochemical Toxicology. 4th ed. London: Informa Healthcare, 2008. ISBN: 9780849373022. \$99.95.

Zhai, Hongbo; Maibach, Howard I.; and Wilhelm, Klaus-Peter, eds. Marzulli and Maibach's dermatotoxicology. 7th ed. London: Informa Healthcare, 2008. ISBN: 9780849397738. \$288.

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

POISINDEX system. Greenwood Village, CO: Thomson MICROMEDEX, updated quarterly. MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available on CD-ROM and online.

Derelanko, Michael J.; and Hollinger, Manfred A., eds. Handbook of toxicology. 2nd ed. Boca Raton, FL: CRC, 2002. ISBN: 0849303702I. \$199.95.

Harris, Carson R., ed. The toxicology handbook for clinicians. Philadelphia: Mosby Elsevier, 2006. ISBN: 9781560537113. \$32.95.

Krieger, Robert; and Doull, John, eds. Hayes' handbook of pesticide toxicology. 3rd ed. San Diego, CA: Academic Press, 2001. ISBN: 9780123743671. \$595.00.

Leiken, Jerrold B.; and Paloucek, Frank P., eds. Poisoning & toxicology handbook. 4th ed. Hudson, OH: Lexi-Comp, 2008. ISBN: 9781420044799. \$199.95.

Pohanish, Richard P.; and Sittig, Marshall, eds. Sittig's handbook of toxic and hazardous chemicals and carcinogens. 5th ed. Norwich, NY: William Andrew, 2008. ISBN: 9780815515531. \$595.00.

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

Jacobson-Kram, David; and Keller, Kit A., eds. Toxicological testing handbook: principles, applications, and data interpretation. 2nd ed. New York: Informa Healthcare, 2006. ISBN: 0849338581. \$229.95.

Moffat, Anthony C; Osselton, M. David; Widdop, Brian, et al., eds. Clarke's analysis of drugs and poisons: in pharmaceuticals, body fluids and post-mortem material. 3rd ed. London, England: Pharmaceutical Press, 2004. ISBN: 0853694737. \$650.00; \$950.00 with CD-ROM.

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

RTECS: Registry of toxic effects of chemical substances. National Institute for Occupational Safety and Health. Available in a variety of formats and at various prices. URL: <http://www.cdc.gov/niosh/rtecs/>

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

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

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

*Drug interactions analysis and management. 5th revised ed. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9781574393118. \$99.95. Also available as a loose-leaf update product from Wolters Kluwer/Facts & Comparisons.

Litt's drug eruption reference manual: including drug interactions. 15th ed. New York: Taylor & Francis, 2009. ISBN: 9781841846903. \$300.00.

*Title recommended for first purchase

*Meyler's side effects of drugs: the international encyclopedia of adverse drug reactions and interactions. 15th rev. ed. Amsterdam, Netherlands: Elsevier Science, 2006. ISBN: 9780444509987. \$935.00.

PDR guide to drug interactions, side effects and indications. Montvale, NJ: Thomson PDR, annual. 2006-. ISBN: ISSN: 1933-706X \$71.95.

Stockley's drug interactions. 8th ed. London, England: Pharmaceutical Press, 2007. ISBN: 9780853697565. \$350.00 with CD.

*Drug interaction facts: the authority on drug interactions. Philadelphia: Lippincott, Williams and Wilkins, loose-leaf updated quarterly. \$235.00 (renewal \$209.00). Also available in other formats.

The Medical Letter adverse drug interactions program [software]. Medical Letter, updated every 6 months. \$98.00. Also available for PDA. URL: <http://medlet-best.securesites.com/html/software.htm>

*Aronson, Jeffrey K., ed. Side effects of drugs annual: a worldwide yearly survey of new data and trends in adverse drug reactions. 30th ed. Amsterdam, Netherlands: Elsevier Science, annual. 1977-. \$269.00.

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*Briggs, Gerald G.; and Freeman, Roger K. Drugs in pregnancy and lactation: a reference guide to fetal and neonatal risk. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2008. ISBN: 9780781778763. \$129.00.

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Lee, William M. Drug-induced liver disease. Philadelphia: Saunders, 2007. ISBN: 97814116050506. \$79.00.

*Pronsky, Zaneta M. Food-medication interactions. 16th ed. Birchrunville, PA: Food-Medication Interactions, 2010. ISBN: 9780971089648. \$29.95.

*Shepard, Thomas H.; and Lemire, Ronald J. Catalog of teratogenic agents. 12th ed. Baltimore: Johns Hopkins University, 2007. ISBN: 9780801887420. \$240.00.

Tisdale, James E.; and Miller, Douglas A., eds. Drug-induced diseases: prevention, detection, and management. Bethesda: American Society of Health-System Pharmacists, 2005. ISBN: 9781585280865. \$106.00.

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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: Oxford, 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>

HIV drug interactions. University of Liverpool, 1999-. URL: <http://www.hiv-druginteractions.org/>

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; and Camus, Philippe. Pneumotox online: the drug-induced lung diseases. 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. 9th ed. Rahway, NJ: Merck, 2005. ISBN: 0911910506. \$45.00.

Bill, Robert. Clinical pharmacology for the veterinary technician. 3rd ed. St. Louis: Mosby Elsevier, 2006. ISBN: 0323011136. \$50.95.

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Crowell-Davis, Sharon L. Veterinary psychopharmacology. Ames, IA: Blackwell Pub. Professional, 2006. ISBN: 0813808291. \$89.99.

Maddison, Jill E.; and Page, Stephen W., eds. Small animal clinical pharmacology. 2nd ed. New York: Elsevier, 2008. ISBN: 0702028588. \$119.00.

Riviere, Jim E.; and Papich, Mark G. Veterinary pharmacology and therapeutics 9th ed. Ames, IA: Wiley-Blackwell, 2009. ISBN: 0813820613. \$199.99.

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

Wanamaker, Boyce P.; and Massey, Kathy Lockett. Applied pharmacology for veterinary technicians. St. Louis: Saunders/Elsevier, 2009. ISBN: 1416056331. \$56.95.

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

Hsu, Walter H. Handbook of veterinary pharmacology. Ames, IA: Wiley-Blackwell, 2008. ISBN: 081382874. \$74.99.

Papich, Mark G., ed. Saunders handbook of veterinary drugs. 3rd ed. Philadelphia: Saunders, 2009. ISBN: 1437701524. \$72.95.

Plumb, Donald C., ed. Veterinary drug handbook. 6th ed. Ames, IA: Wiley-Blackwell, 2008. ISBN: 0813820569. \$79.99 CD-ROM available.

B.9 PHARMACOGENETICS

Allen, William L. Pharmacogenomics: applications to patient care. Kansas City, Mo.: American College of Clinical Pharmacy, 2004. ISBN: 9781880401804. \$122.95 print only; \$95.95 online only; \$165.95 both.

*Ginsburg, Geoffrey S.; and Willard, Huntington F., eds. 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)

Hedgecoe, Adam. The politics of personalised medicine : pharmacogenetics in the clinic. New York: Cambridge University Press, 2004. ISBN: 9780521841771. \$90.00. Also available in paperback.

Weber, Wendell W. Pharmacogenetics. 2nd ed. New York: Oxford University Press, 2008. ISBN: 9780195341515. \$79.50.

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

*Catania, Michael G. An A-Z guide to pharmacogenomics. Washington, DC: AACCC Press, 2006. ISBN: 9781594250477. \$24.00 (pbk.).

Cavallari, Larisa H.; Ellingrod, Vicki L.; and Kolesar, Jill M. Lexi-Comp's pharmacogenomics handbook. 2nd ed. Hudson, Ohio: Lexi-Comp, 2006. ISBN: 9781591950608. \$35.95. Also available in other formats.

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

*Dorland's illustrated medical dictionary. 31st ed. Philadelphia: Saunders, 2007. ISBN: 9781416023647. \$49.95.

Stedman's medical dictionary. 28th ed. Philadelphia: Lippincott Williams & Wilkins, 2005. ISBN: 9780781733908. \$50.95.

*Jablonski, Stanley, ed. Dictionary of medical acronyms and abbreviations. 6th ed. Philadelphia: Saunders, 2009. ISBN: 9781416058991. \$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. Available in a variety of formats and at various prices. URL: <http://www.bl.uk/reshelp/findhelpsubject/scitctenv/medicinehealth/amed/amed.html>

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

*Title recommended for first purchase

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

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

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

C.1 ANATOMY AND PHYSIOLOGY

Fox, Stuart Ira. Human physiology. 11th ed. New York: McGraw-Hill, 2006. ISBN: 9780077265878. \$73.75.

Gilroy, Anne M.; Macpherson, Brian R.; and Ross, Lawrence M. Atlas of anatomy. New York: Thieme, 2008. ISBN: 9781604061512. \$129.95.

*Guyton, Arthur C.; and Hall, John E. Textbook of medical physiology. 11th ed. Philadelphia: Elsevier Science, 2006. ISBN: 9780721602400. \$122.00. Student consult online access provided with title purchase.

McCorry, Laurie. Essentials of human physiology for pharmacy. 2nd ed. Boca Raton, FL: CRC Press, 2009. ISBN: 9781420043907. \$79.95.

Moore, Keith L.; Dalley, Arthur F., II; and Agur, Anne M.R. Clinically oriented anatomy. 6th ed. Philadelphia: Lippincott Williams & Wilkins, 2005. ISBN: 9780781775250. \$84.95.

Netter, Frank H. Atlas of human anatomy. 4th ed. Philadelphia: Saunders, 2006. ISBN: 9781416033851. \$79.95. 5th ed. due 05/10.

*Standring, Susan, ed. Gray's anatomy: the anatomical basis of clinical practice. 40th ed. Philadelphia: Elsevier, 2008. ISBN: 9780443066849. \$199.00; includes access to the complete contents online, with downloadable illustrations.

D.0 - X.1.a CLINICAL SCIENCES - CLASSICS

*Magalini, Sergio I.; and Magalini, Sabina C., eds. Dictionary of medical syndromes. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 1997. ISBN: 0397584180. \$129.00.

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

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

D.1 PATHOPHYSIOLOGY

*Kumar, Vinay; Abbas, Abdul K.; and Fausto, Nelson, eds. Robbins and Cotran pathologic basis of disease. 8th ed. Philadelphia: Elsevier Saunders, 2010. ISBN: 9781416031215. \$129.00.

*Lee, Mary, ed. Basic skills in interpreting laboratory data. 4th ed. Bethesda: American Society of Health-System Pharmacists, 2009. ISBN: 9781585281800. \$74.00.

*Title recommended for first purchase

Mcpherson, Richard A., ed. Henry's clinical diagnosis and management by laboratory methods. 21 ed. Philadelphia: Saunders, 2007. ISBN: 9781416002871. \$140.00.

D.2 PATIENT PHYSICAL ASSESSMENT

*Jarvis, Carolyn. Physical examination and health assessment. 5th ed. St. Louis: Saunders, 2008. ISBN: 9781416032434. \$92.95.

Seidel, Henry M. Mosby's guide to physical examination. 5th ed. St. Louis: Mosby, 2003. ISBN: 0323016804. \$76.95.

*Swartz, Mark H. Textbook of physical diagnosis: history and examination. 5th ed. Philadelphia: Saunders Elsevier, 2006. ISBN: 072169411X. \$82.00.

D.3.0 THERAPEUTICS

Braunwald's heart disease: a textbook of cardiovascular medicine. 8th ed. Philadelphia: Saunders, 2008. ISBN: 9781416041078. 2-vol. set, \$209.00.

Brenner & Rector's the kidney. 8th ed. Philadelphia: Saunders, 2008. ISBN: 9781416031055. 2-vol. set, \$450.00.

Campbell-Walsh urology. 9th ed. Philadelphia: Saunders, 2007. ISBN: 9780721607986. 4-vol. set with CD-ROM, \$489.00.

*Cecil medicine. 23rd ed. Philadelphia: Saunders, 2008. ISBN: 9781416028055. \$159.00 - Expert Consult-Online and Print.

*Conn's current therapy. Philadelphia: Saunders, annual. 1984-. ISBN: 1416023763. 2009, \$99.95 Expert Consult - online and print.

Ellenberg and Rifkin's diabetes mellitus. 6th ed. New York: McGraw-Hill, 2003. ISBN: 0838521789. \$235.00.

Fitzpatrick's dermatology in general medicine. 7th ed. New York: McGraw-Hill, 2008. ISBN: 9780071466905. \$429.00.

*Harrison's principles of internal medicine. 17th ed. New York: McGraw-Hill, 2008. ISBN: 9780071466332. \$199.00. Mixed media product.

*Mandell, Douglas, and Bennett's principles and practice of infectious diseases. 7th ed. St. Louis: Churchill Livingstone, 2010. ISBN: 9780443068393. \$399.00.

*Merck manual of diagnosis and therapy. 18th ed. Rahway, NJ: Merck, 2006. ISBN: 978911910186. \$65.00.

Williams obstetrics. 23rd ed. New York: McGraw-Hill, 201-. ISBN: 9780071497015. \$165.00.

Aronoff, George R.; Bennett, William M.; Berns, Jeffrey S., et al., eds. Drug prescribing in renal failure: dosing guidelines for adults and children. 5th ed. Philadelphia: American College of Physicians, 2007. ISBN: 9781930513761. \$54.95.

*Title recommended for first purchase

*Chisholm-Burns, Marie A.; Wells, Barbara G.; Schwinghammer, Terry L., et al., eds. Pharmacotherapy: principles & practice. 2nd ed. New York: McGraw-Hill Medical, 2010. ISBN: 9780071621809. \$155.00.

*Dale, David; and Federman, Daniel eds. 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., et al., eds. Pharmacotherapy: a pathophysiologic approach. 8th ed. New York: McGraw-Hill, 2011. ISBN: 9780071703543. \$195.00.

Dolin, Raphael; Masur, Henry; and Saag, Michael S., eds. AIDS therapy. 3rd ed. Philadelphia: Churchill Livingstone, 2008. ISBN: 9780443067525. \$199.00 book with online e-dition.

Habif, Thomas P. Clinical dermatology: a color guide to diagnosis and therapy. 5th ed: Mosby, 2010. ISBN: 9780723435419. \$169.00.

*Helms, Richard A.; and Quan, David J., eds. Textbook of therapeutics: drug and disease management. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2006. ISBN: 9780781757348. \$175.00.

*Koda-Kimble, Mary Anne; Young, Lloyd Yee; Kradjan, Wayne A., et al., eds. Applied therapeutics: the clinical use of drugs. 9th ed. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9780781765558. \$179.00.

Rubin, Peter C.; and Ramsey, Margaret, eds. Prescribing in pregnancy. 4th ed. London, England: BMJ, 2008. ISBN: 9781405147125. \$61.95.

Schwinghammer, Terry L.; and Koehler, Julia M., eds. Pharmacotherapy casebook: a patient-focused approach. 7th ed. New York: McGraw-Hill, 2008. ISBN: 978071488358. \$52.95.

Stone, C. Keith; and Humphries, Roger L., eds. Current diagnosis and treatment emergency medicine. 6th ed. New York: McGraw-Hill, 2008. ISBN: 9780071443197. \$75.95.

Stone, C. Keith; and Humphries, Roger L., eds. Current emergency diagnosis and treatment. 5th ed. New York: McGraw-Hill, 2004. ISBN: 0838514502. \$64.95.

Waldman, Scott A.; and Terzic, Andre, eds. Pharmacology and therapeutics: principles to practice. Philadelphia: Saunders, 2009. ISBN: 9781416032915. \$149.00. Expert consult - online and print.

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

D.3.0 - X.2.0 THERAPEUTICS - INFORMATICS

ICD-9-CM 2009 expert for hospitals: international classification of diseases, 9th revision, clinical modification. Salt Lake City, Utah: Ingenix, 2009. ISBN: 9781601511294. Vol. 1-3; \$99.95. Also available in a variety of other formats.

D.3.0 - X.2.c THERAPEUTICS - EVIDENCE BASED PRACTICE

*Bryant, Patrick J.; and Pace, Heather A. The pharmacist's guide to evidence-based medicine for clinical decision making. Bethesda, MD: American Society of Health-System Pharmacists, 2008. ISBN: 9781585281770. \$57.00.

Chiquette, Elaine; and Posey, L. Michael. Evidence-based pharmacotherapy: optimal patient care = best knowledge + competent practitioner. Washington, DC: American Pharmacists Association, 2007. ISBN: 9781582120683. \$59.95.

Gaebelein, Claude J.; and Gleason, Brenda L. Contemporary drug information : an evidence-based approach. Baltimore, MD: Lippincott Williams & Wilkins, 2008. ISBN: 9780781782807. \$58.95.

Guyatt, Gordon; Rennie, Drummond; Meade, Maureen O., et al. Users' guides to the medical literature: a manual for evidence-based clinical practice. 2nd ed. New York: McGraw Hill Medical, 2008. ISBN: 9780071590341. \$64.95.

Salisbury, Janet; Glasziou, Paul; and Del Mar, Chris. Evidence-based practice workbook : bridging the gap between health care research and practice. 2nd ed. Oxford: Blackwell/BMJ Books, 2007. ISBN: 9781405167284. \$58.95.

D.3.0 - X.4.0 THERAPEUTICS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

National Library of Medicine. ClinicalTrials.gov. NLM. URL: <http://clinicaltrials.gov/>

D.3.0 - X.7 THERAPEUTICS - WEB SITES

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

HIV drug interactions. University of Liverpool, 1999-. URL: <http://www.hiv-druginteractions.org/>

D.3.a GERIATRICS

Delafuente, Jeffrey C.; and Stewart, Ronald B., eds. Therapeutics in the elderly. 3rd ed. Cincinnati: Harvey Whitney, 2001. ISBN: 092937522x. \$134.00.

Hazzard, William R.; Blass, John P.; Halter, Jeffrey B., et al., eds. Principles of geriatric medicine and gerontology. 5th ed. New York: McGraw-Hill, 2003. ISBN: 0780071402163. \$210.00. 6th ed. due 03/09.

Kane, Robert L.; Ouslander, Joseph G.; Abrass, Itamar B., et al. Essentials of clinical geriatrics. 6th ed. New York: McGraw-Hill, 2009. ISBN: 9780071498227. \$54.95.

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

Semla, Todd P.; Beizer, Judith L.; and Higbee, Martin D. , eds. Geriatric dosage handbook. 14th ed. Hudson, OH: Lexi-Comp, 2009. ISBN: 9781591952510. \$52.95. Also available online, PDA, and on-desktop.

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

Merck manual of geriatrics. Whitehouse Station, NJ: Merck. URL: <http://www.merck.com/mkgr/mmg/home.jsp>

D.3.b NEUROLOGY

*Adams & Victor's principles of neurology. 9th ed. New York: McGraw-Hill, 2009. ISBN: 9780071499927. \$159.00.

Iversen, Leslie L.; Iversen, Susan D.; Bloom, Floyd E., et al., eds. Introduction to neuropsychopharmacology. 1st ed. New York: Oxford University Press, 2009. ISBN: 9780195380538. \$45.00.

Kandel, Eric R., ed. Principles of neural science. 4th ed. New York: McGraw Hill Book Company, 2000. ISBN: 9780838577011. \$125.00. 5th ed. due 3/10.

D.3.c NUTRITION AND NUTRACEUTICALS

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

Krause's food, nutrition & diet therapy. 12th ed. Philadelphia: Saunders, 2007. ISBN: 9781416033018. \$120.00.

Lutz, Carroll A.; and Przytulski, Karen Rutherford, eds. Nutrition and diet therapy: evidence-based applications. 4th ed. Philadelphia F.A. Davis, 2006. ISBN: 9780803613362. \$58.95.

Shils, Maurice E.; Ross, A. Catharine; Shike, Moshe, et al., eds. Modern nutrition in health and disease. 10th ed. Baltimore: Lippincott Williams & Wilkins, 2005. ISBN: 9780781741330. \$145.00

Williams, Sue Rodwell. Essentials of nutrition and diet therapy. 9th ed. St. Louis: Mosby, 2006. ISBN: 9780323060745. \$109.00.

Wolinsky, Ira; and Williams, Louis, eds. Nutrition in pharmacy practice. Washington, DC: American Pharmacists Association, 2002. ISBN: 9781582120232. \$74.00.

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

International bibliographic information on dietary supplements (IBIDS). Office of Dietary Supplements, National Institutes of Health, updated quarterly. URL: http://dietary-supplements.info.nih.gov/Health_Information/IBIDS.aspx

D.3.d ONCOLOGY AND HEMATOLOGY

Abeloff's clinical oncology. 4th ed. New York: Churchill Livingstone, 2008. ISBN: 9780443066948. \$279.00.

*Devita, Hellmann, and Rosenberg's cancer: principles and practice of oncology. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2008. ISBN: 9780781772075. 2-vol. set, \$379.00.

*Title recommended for first purchase

Williams hematology. 7th ed. New York: McGraw-Hill, 2006. ISBN: 0071435913. \$215.00.

Wintrobe's clinical hematology. 12th ed. Philadelphia: Lippincott Williams & Wilkins, 2008. ISBN: 9780781765077. 2-vol. set, \$329.00.

Haskell, Charles M., ed. Cancer treatment. 5th ed. Philadelphia: Saunders, 2001. ISBN: 9780721678337. \$229.00.

Hoffman, Ronald; Furie, Bruce; McGlave, Philip, et al., eds. Hematology: basic principles and practices. 5th ed. Philadelphia: Churchill-Livingstone, 2009. ISBN: 9780443067150. \$269.00.

Mendelsohn, John; Howley, Peter; Israel, Mark, et al., eds. The molecular basis of cancer. 3rd ed. Philadelphia: Saunders, 2008. ISBN: 9781416037033. \$179.00.

Perry, Michael C. Chemotherapy source book. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781773287. \$99.00.

D.3.d - X.1.a ONCOLOGY AND HEMATOLOGY - CLASSICS

*Magalini, Sergio I.; and Magalini, Sabina C., eds. Dictionary of medical syndromes. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 1997. ISBN: 0397584180. \$129.00.

D.3.e PARENTERALS

*Plumer's principles and practice of intravenous therapy. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2006. ISBN: 0781759447. \$54.95.

*King guide to parenteral admixtures. 35th ed. St. Louis: King Guide, 2010. ISBN: 0970190220. \$299.00 for first year; annual renewal, \$159.00 for loose-leaf edition. Also available online and in PDA edition.

*Phelps, Stephanie J.; Hak, Emily B.; and Crill, Catherine M., eds. Teddy bear book: pediatric injectable drugs. 8th ed. Bethesda: American Society of Health-System Pharmacists, 2007. ISBN: 9781585281589. \$109.00.

Phillips, Lynn Dianne. Manual of I.V. therapeutics. 4th ed. Philadelphia: F.A. Davis, 2005. ISBN: 9780803611870. \$39.95; 5th ed. due 03/10.

Rombeau, John L.; and Rolandelli, Rolando H., eds. Clinical nutrition: parenteral nutrition. 3rd ed. Philadelphia: Saunders, 2000. ISBN: 0721681204. \$149.00.

*Trissel, Lawrence A., ed. Handbook of injectable drugs. 15th ed. Bethesda: American Society of Health-System Pharmacists, 2009. ISBN: 9781585282135. \$304.00.

D.3.f PEDIATRICS

*Nelson textbook of pediatrics. 17th ed. Philadelphia: Saunders, 2003. ISBN: 0721695566. \$129.00.

Burg, Frederic B.; Ingelfinger, Julie R.; Richard, A. Polin, et al., eds. Current pediatric therapy. 18th ed. Philadelphia: Saunders, 2006. ISBN: 0721605494. \$109.00.

*Title recommended for first purchase

Pagliari, Louis A.; and Pagliaro, Ann M. Problems in pediatric drug therapy. 4th ed. Hamilton, IL: American Pharmacists Association, 2002. \$39.00.

Schardein, James L., ed. Chemically induced birth defects. 3rd ed. New York: Dekker, 2000. ISBN: 0824702654. \$195.00.

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

The Harriet Lane handbook: a manual for pediatric house officers. 17th ed. St. Louis: Elsevier Mosby, 2005. ISBN: 0323029175. \$49.95.

Nahata, Milap C.; and Hipple, Thomas F., eds. Pediatric drug formulations. 5th ed. Cincinnati: Harvey Whitney, 2003. ISBN: 0929375254. \$104.56.

Taketomo, Carol K.; Hodding, Jane H.; and Kraus, Donna M., eds. Pediatric dosage handbook. 11th ed. Hudson, OH: Lexi-Comp, 2004. ISBN: 1591950929. \$46.95. Also available online and in CD-ROM and handheld versions.

Zenk, Karin E.; Sills, Jack H.; and Koepfel, Robin M., eds. Neonatal medications & nutrition: a comprehensive guide. 3rd ed. Santa Rosa, CA: NICU INK, 2003. ISBN: 9781887571104. \$79.34.

D.3.g PSYCHIATRY

Diagnostic and statistical manual of mental disorders : DSM-IV-TR. 4th rev. ed. Washington, D.C.: American Psychiatric Association, 2000. ISBN: 9780890420249. \$89.00. Also available in paperback.

*Kaplan & Sadock's comprehensive textbook of psychiatry. 9th ed. Philadelphia: Lippincott Williams & Wilkins, 2009. ISBN: 9780781768993. 2-vol. set, \$271.00.

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

Julien, Robert M. A primer of drug action: a comprehensive guide to the actions, uses, and side effects of psychoactive drugs. 11th ed. New York: Worth Publishers, 2008. ISBN: 9781429206799 \$51.00.

Keane, Terence Martin; Foa, Edna B.; and 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 \$75.00.

*Schatzberg, Alan F.; and Nemeroff, Charles B., eds. The American Psychiatric Press textbook of psychopharmacology. 4th ed. Washington: American Psychiatric Press, 2009. ISBN: 9781585623099 \$275.00.

Stahl, Stephen M. Stahl's essential psychopharmacology: neuroscientific basis and practical applications. 3rd ed: Cambridge University Press, 2008. ISBN: 9780521673761 \$95.00.

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

Bezchlibnyk-Butler, Kalyna Z.; and Jeffries, J. Joel, eds. Clinical handbook of psychotropic drugs. 15th ed. Kirkland, WA: Hogrefe & Huber Publishers, 2009. ISBN: 0889373698. \$71.10.

*Title recommended for first purchase

*Fuller, Matthew A.; and Sajatovic, Martha. Drug information handbook for psychiatry: including psychotropic, nonpsychotropic and herbal agents. 7th ed. Hudson, OH: Lexi-Comp, Inc., 2009. ISBN: 978-1591952534. \$51.95.

Jacobson, Sandra A.; Pies, Ronald W.; and Katz, Ira R., eds. Clinical manual of geriatric psychopharmacology. Washington, D.C.: American Psychiatric Publishing, 2007. ISBN: 1585622524. \$84.00.

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, 2008. ISBN: 9780789035738. \$165.00.

Galanter, Marc; and Kleber, Herbert D., eds. American Psychiatric Publishing textbook of substance abuse treatment. 4th ed. Washington, DC: American Psychiatric Publishing, 2008. ISBN: 9781585622764. \$175.00.

Karch, Steven B. Karch's pathology of drug abuse. 4th ed. Boca Raton, FL: CRC, 2009. ISBN: 084937880X. \$139.95.

Liska, Ken. Drugs and the human body: with implications for society. 8th ed. Upper Saddle River, NJ: Pearson Prentice Hall, 2008. ISBN: 9780132447133. \$86.40.

Lowinson, Joyce H.; Ruiz, Pedro; Millman, Robert B., et al., eds. Substance abuse: a comprehensive textbook. 4th ed. Philadelphia, PA: Lippincott Williams & Wilkins, 2005. ISBN: 9780781734745. \$239.00.

Pagliaro, Louis A., ed. Pagliaros' comprehensive guide to drugs and substances of abuse. 2nd ed. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121314. \$79.00.

Ries, Richard K.; Fiellin, David A.; Miller, Shannon, et al., eds. Principles of addiction medicine. Philadelphia: Lippincott Williams and Wilkins, 2009. ISBN: 0781774772. \$199.00

Rotgers, Frederick; Morgenstern, Jon; and Walters Scott, T., eds. Treating substance abuse: theory and technique. 2nd ed. New York: Guilford, 2003. ISBN: 9781572308978. \$50.00.

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. \$195.95.

Perkinson, Robert R.; and Jongsma, Arthur E., Jr. The addiction treatment planner. 4th ed. Hoboken, NJ: Wiley, 2009 ISBN: 9780470436325. \$175.00.

Rastegar, Darius A.; and Fingerhood, Michael I. Addiction medicine: an evidence-based handbook. Philadelphia: Lippincott Williams and Wilkins, 2005. ISBN: 9780781761543. \$64.95.

Winger, Gail; Woods, James H.; and Hofmann, Frederick G. Handbook on drug and alcohol abuse: the biomedical aspects. 4th ed. New York: Oxford, 2004. ISBN: 9780195172782. \$60.00.

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

National Clearinghouse on Alcohol and Drug Information. U.S. Substance Abuse and Mental Health Services Administration. URL: <http://ncadi.samhsa.gov/about/aboutncadi.aspx>

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.nida.nih.gov/NIDAHome.html>

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

D.3.i SURGERY

Donnelly, Andrew J.; Baughman, Verna L.; Gonzales, Jeffrey P., et al. Anesthesiology & critical care drug handbook : including select disease states & perioperative management. 8th ed. Hudson, OH: Lexi-Comp, 2005. ISBN: 9781591952299. \$44.95.

Evers, Alex S.; and Maze, Mervyn. Anesthetic pharmacology: physiologic principles and clinical practice : a companion to Miller's Anesthesia. New York: Churchill Livingstone, 2004. ISBN: 9780443065798. \$115.00.

Miller, Ronald D., ed. Miller's anesthesia. 6th ed. New York: Elsevier/Churchill Livingstone, 2005. ISBN: 9780443066184. \$329.00. Two-volume set with video clips on accompanying CD-ROM. Also available in online version, with continuous updates.

Stoelting, Robert K.; and Hillier, Simon C. Pharmacology and physiology in anesthetic practice. 4th ed. Philadelphia: Lippincott, 2006. ISBN: 9780781754699. \$175.00.

D.4 ALTERNATIVE MEDICINE

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; and Gundling, Katherine, ed. 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.

Mantle, Fiona; and Tiran, Denise, ed. 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. 4th ed. St. Louis: Saunders/Elsevier, 2011. ISBN: 9781437705775. \$74.95.

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

National Institutes of Health. National Center for Complementary and Alternative Medicine. Bethesda, MD: National Institutes of Health, 2011. URL: <http://nccam.nih.gov>

National Institutes of Health. National Center for Complementary and Alternative Medicine. Bethesda, MD: National Institutes of Health. URL: <http://nccam.nih.gov/>

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

Berger, Bruce A. Communication skills for pharmacists: building relationships, improving patient care. 2nd ed. Washington, DC: American Pharmacists Association, 2005. ISBN: 9781582120805. \$41.00.

Cipolle, Robert J.; M., Strand Linda; and C., Morley Peter. Pharmaceutical care practice. 2nd ed. New York: McGraw-Hill, 2004. ISBN: 9780071362597. \$68.95.

*Knowlton, Calvin H.; and Penna, Richard P., eds. Pharmaceutical care. 2nd ed. Bethesda: American Society of Health System Pharmacists, 2003. ISBN: 9781585280377. \$79.00.

Ksir, Charles; Hart, Carl L.; and Ray, Oakley Stern. Drugs, society and human behavior with PowerWeb. 11th ed. New York: McGraw-Hill, 2005. ISBN: 9780073138923. \$89.38.

Lenz, Thomas L. Lifestyle modifications in pharmacotherapy. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 0781776511. \$49.95.

McCarthy, Robert L.; and Schafermeyer, Kenneth W. Health care delivery: a primer for pharmacists. 4th ed. Sudbury, MA: Jones and Bartlett, 2007. ISBN: 9780763743536. \$77.95.

*Meldrum, Helen. Interpersonal communication in pharmaceutical care. New York: Haworth, 1994. ISBN: 9781560248668. \$197.28.

Rantucci, Melanie J. Pharmacists talking with patients: a guide to patient counseling. 2nd ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781763301. \$50.95.

*Smith, Mickey C.; and Wertheimer, Albert I., eds. Social and behavioral aspects of pharmaceutical care. New York: Pharmaceutical Products Press, 1996. ISBN: 9781560249528. \$99.95.

Taylor, Kevin M. G.; Nettleton, Sarah; and Harding, Geoffrey. Sociology for pharmacists. Boca Raton, FL: CRC Press, 2003. ISBN: 9780415274876. \$129.95.

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

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

Comprehensive accreditation manual for ambulatory care (CAMAC). Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405742. \$332.00; updates, \$250.00; both, \$582.00.

*Bolton, Sanford; and Bon, Charles. *Pharmaceutical statistics: practical and clinical applications*. 4th ed. New York: Dekker, 2004. ISBN: 9780824746957. \$249.95; 5th ed. due 3/2009.

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

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

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

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

E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES

*Jonas and Kovner's *health care delivery in the United States*. 9th ed. New York: Springer, 2008. ISBN: 9780826120984. \$62.00.

Mccarthy, Robert L.; and Schafermeyer, Kenneth W., eds. *Introduction to health care delivery: a primer for pharmacists*. 4th ed. Sudbury, MA: Jones & Bartlett, 2007. ISBN: 9780763743536. \$72.95.

*Smith, Michale Ira; Fincham, Jack E.; and Wertheimer, Albert I., eds. *Pharmacy and the U.S. health care system*. 3rd ed. New York: Pharmaceutical Products Press, 2005. ISBN: 9780789018755. \$69.95.

E.1.a EPIDEMIOLOGY

Fletcher, Robert H.; and Fletcher, Suzanne W. *Clinical epidemiology: the essentials*. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2005. ISBN: 9780781752152. \$42.95.

*Gordis, Leon. *Epidemiology*. 4th ed. Philadelphia: Elsevier Saunders, 2008. ISBN: 9781416040026. \$49.95.

Hebel, J. Richard; and Mccarter, Robert J. *A study guide to epidemiology and biostatistics*. 6th ed. Sudbury, MA: Jones and Bartlett, 2006. ISBN: 9780763734916. \$53.95.

*Strom, Brian L.; and Kimmel, Stephen E., eds. *Textbook of pharmacoepidemiology*. New York: Wiley, 2007. ISBN: 9780470029244. \$160.00. Also available in paperback.

Yang, Yi; and West-Strum, Donna, ed. *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/>

*Title recommended for first purchase

E.1.b PHARMACOECONOMICS

Arnold, J. G. Renee, ed. Pharmacoeconomics: from theory to practice. Boca Raton, FL: CRC Press, 2009. ISBN: 9781420084221. \$124.95.

Bootman, J. Lyle; Townsend, Raymond J.; and Mcghan, William F., eds. Principles of pharmacoeconomics. 3rd ed. Cincinnati: Harvey Whitney, 2005. ISBN: 0929375270. \$72.00.

Carroll, Norman V. Financial management for pharmacists: a decision-making approach. 3rd ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781762397. \$54.95.

Drummond, Michael F.; Sculpher, Mark J.; Torrance, George W., et al. Methods for the economic evaluation of health care programmes. 3rd ed. Oxford, England: Oxford, 2005. ISBN: 9780198529446. \$144.78

Rascati, Karen. Essentials of pharmacoeconomics. Philadelphia: Lippincott, Williams and Wilkins, 2008. ISBN: 9780781765442 \$59.95.

Schweitzer, Stuart O. Pharmaceutical economics and policy. 2nd ed. New York: Oxford, 2007. ISBN: 9780195300956. \$55.00.

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. 7th ed. Philadelphia: Saunders, 2005. ISBN: 9781416000365. \$79.95.

*Medication teaching manual: the guide to patient drug information. 8th ed. Bethesda: American Society of Health-System Pharmacists, 2004. ISBN: 9781585280575. \$119.00.

Falvo, Donna R. Effective patient education: a guide to increased compliance. Boston: Jones and Bartlett, 2004. ISBN: 9780763731571. \$67.95.

Galt, Kimberly A. Developing clinical practice skills for pharmacists. Bethesda: American Society of Health-System Pharmacists, 2006. ISBN: 9781585280858. \$65.00.

Mayer, Gloria G.; and Villaire, Michael. Health literacy in primary care: a clinician's guide. New York: Springer, 2007. ISBN: 9780826102294. \$55.00.

Osborne, Helen. Health literacy from A to Z: practical way to communicate your health message. Boston, MA: Jones and Bartlett, 2005. ISBN: 9780763745509. \$30.95.

Purtilo, Ruth; and Haddad, Amy. Health professional and patient interaction. 7th ed. Philadelphia: Saunders, 2007. ISBN: 9781416022442. \$49.95.

Redman, Barbara K. Advances in patient education. New York: Springer, 2004. ISBN: 9780826127358. \$40.00.

Siverman, Jonathan; Kurtz, Suzanne ; and Draper, Juliet. Skills for communicating with patients. 2nd ed. Oxford, England: Radcliffe, 2005. ISBN: 9781857756401. \$39.95.

Tietze, Karen J. Clinical skills for pharmacists: a patient-focused approach. 2nd ed. St. Louis: Mosby, 2004. ISBN: 9780323024730. \$50.95.

E.2.a DISEASE STATE MANAGEMENT

*Blenkinsopp, Alison; Paxton, Paul; and Blenkinsopp, John. Symptoms in the pharmacy; a guide to the management of common illness. 5th ed. Malden, MA: Blackwell, 2005. ISBN: 1405122226. \$49.95.

*Helms, Richard A.; and Quan, David J., eds. Textbook of therapeutics: drug and disease management. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2006. ISBN: 9780781757348. \$175.00.

Howe, Rufus. The disease manager's handbook. Sudbury, MA: Jones and Bartlett, 2005. ISBN: 9780763747831. \$51.95.

Huber, Diane. Disease management: a guide for case managers. Edinburgh, Scotland: Elsevier Saunders, 2005. ISBN: 9780721639116. \$74.95.

Nuovo, Jim, ed. Chronic disease management. New York: Springer, 2006. ISBN: 9780387329277. \$59.95.

Patterson, Richard. Changing patient behavior: improving outcomes in health and disease management. San Francisco: Jossey-Bass, 2000. ISBN: 9780787952792. \$79.00.

Randall, Michael D.; and Neil, Karen E. Disease management. London, England: Pharmaceutical Press, 2004. ISBN: 9780853695233. \$55.00.

Tisdale, James E.; and Miller, Douglas A., eds. Drug-induced diseases: prevention, detection, and management. Bethesda: American Society of Health-System Pharmacists, 2005. ISBN: 9781585280865. \$106.00.

Todd, Warren E.; and Nash, David. Disease management: a systems approach to improving patient outcomes. San Francisco: Jossey-Bass, 1997. ISBN: 9781556481680. \$110.00, o.p.

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.

Compendium of self-care products. Ottawa, Canada: Canadian Pharmacists Association. ISBN: 1894402057. 2002-03, \$59.00.

*Berardi, Rosemary; Desimone, Edward M.; Newton, Gail D., et al., eds. Handbook of nonprescription drugs: an interactive approach to self-care. 14th ed. Washington, DC: American Pharmacists Association, 2004. ISBN: 1582120501. \$135.00.

E.3.0 PHARMACISTS' PROFESSIONAL DEVELOPMENT

Gable, Fred B. Opportunities in pharmacy careers. 2nd ed. New York: McGraw-Hill, 2003. ISBN: 0071411526. \$12.95.

Nielson-Bohlman, Lynn. Health literacy: a prescription to end confusion. Washington, DC: National Academy Press, 2004. ISBN: 9780309091176. \$49.95.

Pugliese, Tina L. Public relations for pharmacists. 2nd ed. Washington, DC: American Pharmacists Association, 2008. ISBN: 9781582121215. \$33.95.

Reinders, Thomas P. Pharmacy professional's guide to resumes, CVs and interviewing. 2nd rev. ed. Washington, DC: American Pharmacists Association, 2006. ISBN: 9781582120768. \$43.00.

Scott, Mark. Survival guide for the new pharmacy manager. Bethesda: American Society of Health-System Pharmacists, 2007. ISBN: 9781585281527. \$49.00.

Worthen, Dennis B. Heroes of pharmacy: professional leadership in times of change. Washington: American Pharmacists Association, 2008. ISBN: 9781582121116. \$35.00.

E.3.a COMMUNICATION SKILLS

*Beardsley, Robert S.; Kimberlin, Carole L.; and Tindall, William N., eds. Communication skills in pharmacy practice: a practical guide for students and practitioners. 5th ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781765985. \$40.95.

Berger, Bruce A. Communication skills for pharmacists: building relationships, improving patient care. 2nd ed. Washington, DC: American Pharmacists Association, 2005. ISBN: 9781582120805. \$41.00.

Chapin, Paul G.; and Leshner, Alan I. Research projects and research proposals: a guide for scientists seeking proposals. New York: Cambridge, 2004. ISBN: 0521537169. \$22.99.

Rantucci, Melanie J. Pharmacists talking with patients: a guide to patient counseling. 2nd ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781763301. \$50.95.

E.3.b EDUCATION

Anderson, Lorin W.; and Krathwohl, David R., eds. A taxonomy for learning, teaching and assessing: a revision of Bloom's taxonomy of educational objectives. New York: Longman, 2000. ISBN: 9780801319037. \$43.80.

Barkley, Elizabeth F.; Cross, Patricia K.; and Major, Claire Howell, eds. Collaborative learning techniques: a handbook for college faculty. San Francisco: Jossey-Bass, 2004. ISBN: 9780787955182. \$40, paperback.

Berger, Bruce A. Promoting civility in pharmacy education. Binghamton, NY: Haworth, 2003. ISBN: 0789021218. \$19.95.

Bonwell, Charles C.; and Eison, James A. Active learning: creating excitement in the classroom. San Francisco: Jossey-Bass, 1991. ISBN: 9781878380081. \$29.00.

Branche, Jerome; Mullennix, John W.; and Cohn, Ellen R., eds. Diversity across the curriculum: a guide for faculty in higher education: Jossey-Bass, 2007. ISBN: 9781933371283. \$40.00.

Cross, K. Patricia; and Angelo, Thomas A. Classroom assessment techniques; a handbook for college teachers. San Francisco: Jossey-Bass, 1994. ISBN: 1555425003. \$44.00.

Cuellar, Lourdes M.; and Ginsburg, Diane B., eds. Preceptor's handbook for pharmacists. Bethesda: American Society of Health-System Pharmacists, 2005. ISBN: 9781585281169. \$36.00.

Desselle, Shane P.; and Hammer, Dana P., eds. Handbook for pharmacy educators: getting adjusted as a new pharmacy faculty member. New York: Pharmaceutical Products Press, 2002. ISBN: 0789019868. \$30.00. Also available in paperback.

Diamond, Robert M. Designing and assessing courses and curricula: a practical guide. San Francisco: Jossey-Bass, 1997. ISBN: 0787910309. \$40.00.

Fink, L. Dee. Creating significant learning experiences: an integrated approach to designing college courses. San Francisco: Jossey-Bass, 2003. \$40.00.

Hall, Gary D.; and Reiss, Barry S. Lange Q&A pharmacy. 10th ed. New York: McGraw Hill Professional, 2011. ISBN: 9780071740678. \$55.00.

Harmon, Robin, ed. Handbook of pharmacy health education. 2nd ed. London, England: Pharmaceutical Press, 2001. ISBN: 0853694710. \$62.00.

King, Patricia; and Kitchener, Karen S. Developing reflective judgment: understanding and promoting intellectual growth and critical thinking in adolescents and adults. San Francisco: Jossey-Bass, 1994. ISBN: 1555426298. \$45.00 (print-on-demand).

McKeachie, Wilbert J.; Svinicki, Marilla; and Hofer, Barbara, eds. Teaching tips: strategies, research, and theory for college and university teachers. 12th ed. Boston: Houghton Mifflin, 2005. ISBN: 9780618515561. \$61.95.

Richlin, Laurie. Blueprint for learning: constructing college courses to facilitate, assess, and document learning. Sterling, VA: Stylus Publishing, 2006. ISBN: 9781579221430 \$69.95. Also available in paperback.

*Straus, Sharon E.; Richardson, W. Scott; Glasziou, Paul, et al., eds. Evidence-based medicine: how to practice and teach EBM. 3rd ed. New York: Churchill Livingstone, 2005. ISBN: 9780443074448. \$53.95.

Walvoord, Barbara. Assessment clear and simple: a practical guide for institutions, departments, and general education. San Francisco: Jossey-Bass, 2004. ISBN: 9780787973117. \$28.00.

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. \$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. 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. 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).

Wertheimer, Albert I., ed. Final report of the Kellogg Pharmaceutical Clinical Scientist Program. Binghamton, NY: Haworth, 1990. o.p.

E.3.b - X.5 EDUCATION - DIRECTORIES

*American Association of Colleges of Pharmacy. Roster of faculty and professional staff. Bethesda, MD: American Association of Colleges of Pharmacy. URL: <http://www.aacp.org/about/membership/Documents/AACPRoster.htm>

E.3.b - X.7 EDUCATION - WEB SITES (5)

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

*Accreditation Council for Pharmacy Education. Accreditation standards and guidelines for the professional program in pharmacy leading to the Doctor of Pharmacy Degree, Version 2.0, adopted January 23, 2011; effective February 13, 2011. Chicago: Accreditation Council for Pharmacy Education, 2011. URL: <http://www.acpe-accredit.org/pdf/FinalS2007Guidelines2.0.pdf>

Accreditation Council for Pharmacy Education. Directory of accredited providers of continuing pharmaceutical education. Chicago, IL: Accreditation Council for Pharmacy Education. URL: <http://www.acpe-accredit.org/ceproviders/providers.asp>

Accreditation Council for Pharmacy Education. P.L.A.N. Pharmacists' Learning Assistance Network. Chicago, IL: Accreditation Council for Pharmacy Education. URL: <http://www.acpe-accredit.org/pharmacists/programs.asp>

*Accreditation Council for Pharmacy Education. Policies and procedures for ACPE accreditation of professional degree programs, January 2011. Chicago: Accreditation Council for Pharmacy Education. URL: <http://www.acpe-accredit.org/deans/policies.asp>

E.4.0 PROFESSIONAL PRACTICE

*Remington: the science and practice of pharmacy. 21st ed. Philadelphia: Lippincott Williams & Wilkins, 2005. ISBN: 9780781746731. 21st ed. available through Amazon. 22nd due 2012 from Pharmaceutical Press.

*Title recommended for first purchase

*Beardsley, Robert S.; Kimberlin, Carole L.; and Tindall, William N., eds. *Communication skills in pharmacy practice: a practical guide for students and practitioners*. 5th ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781765985. \$40.95.

Carroll, Norman V. *Financial management for pharmacists: a decision-making approach*. 3rd ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781762397. \$54.95.

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

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

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

Pugliese, Tina L. *Public relations for pharmacists*. 2nd ed. Washington, DC: American Pharmacists Association, 2008. ISBN: 9781582121215. \$33.95.

Rovers, John P.; and Currie, Jay D., eds. *Practical guide to pharmaceutical care: a clinical skills primer*. 3rd ed. Washington, DC: American Pharmacists Association, 2007. ISBN: 9781582121048. \$47.00.

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

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

*Buerki, Robert A.; and Vottero, Louis D. *Ethical responsibility in pharmacy practice*. 2nd ed. Madison, WI: American Institute of the History of Pharmacy, 2002. ISBN: 0931292379. \$30.00.

*Veatch, Robert; and 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

Academy of Managed Care Pharmacy. AMCP. 2011. URL: <http://www.amcp.org>

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

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

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

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

Martindale's the "Virtual" - pharmacy, pharmacology & toxicology center. Jim Martindale, 1994-. URL: <http://www.martindalecenter.com/Pharmacy.html>

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

*Title recommended for first purchase

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

National Council of State Pharmacy Associations. NCSPA. URL: <http://www.ncspae.org/>

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

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

E.4.a COMMUNITY PHARMACY

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

Edwards, Clive; and Stillman, Paul. Minor illness or major disease? The clinical pharmacist in the community. 4th ed. Grayslake, IL: Pharmaceutical Press, 2006. ISBN: 9780853696278. \$45.00.

Goode, J.; Roman, L.M., Kristin; W. Weitzel, W, ed. Community pharmacy practice case studies. Washington, DC: American Pharmacists Association, 2009. ISBN: 9781582121055. \$45.00.

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

Roberts, Allison; Benrimoj, S.I. ; Dunphy, Dexter C., et al. Community pharmacy: strategic change management. New York: McGraw-Hill, 2007. ISBN: 9780074717783 \$59.36.

Rutter, Paul. Community pharmacy: symptoms, diagnosis and treatment. New York: Churchill Livingstone, 2004. ISBN: 9780443073625 \$69.95.

Tindall, William N.; and Millonig, Marsha K. Pharmaceutical care: insights from community pharmacists. Boca Raton, FL: CRC Press, 2003. ISBN: 9781566769532. \$95.00.

Waterfield, Jon. Community pharmacy handbook. Chicago: Pharmaceutical Press, 2008. ISBN: 9780853697169 \$49.95.

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

Brown, Thomas R., ed. Handbook of institutional pharmacy practice. 4th ed. Bethesda: American Society of Health-System Pharmacists, 2006. ISBN: 9781585281145. \$129.00.

Comprehensive accreditation manual for ambulatory care (CAMAC). Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405742. \$332.00; updates, \$250.00; both, \$582.00.

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.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, 2010-2011. ISBN: 9781585282586. \$90.00.

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