

Basic Resources for Pharmacy Education

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A Service Project of the
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Basic Resources for Pharmacy Education is produced as a guide for those who manage library collections that serve colleges of pharmacy. 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 who makes suggestions for additions and deletions. Then the editors compile the recommended additions and deletions for that review cycle, and an advisory panel of pharmacy librarians and faculty votes on the suggested changes. Approved changes are subsequently incorporated into the list's database. There are two review cycles each year so that two sets of sections are reviewed during the course of one year. Our goal is to review the entire list every three years and to publish *Basic Resources* semiannually. **Sections updated since the last (June 2011) edition are D.0 Clinical Sciences, D.1 Pathophysiology, D.2 Patient Physical Assessment, D.3.a Geriatrics, D.3.d Oncology and Hematology, D.3.1 Surgery, E.4.c Home Health Care, and E.4.d Managed Care.**

We welcome volunteers, either to contribute to *Basic Resources* by reviewing sections or to serve on our advisory panel (or both). For more information about how the list is maintained or to volunteer to work on it, please contact 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.a 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

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.

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

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

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.

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

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

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
Kaiser, Chris \$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

*Annual reports in medicinal chemistry. Boston: Academic annual. 1965-. ISBN: 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.

*Foye's principles of medicinal chemistry. 6th ed. Philadelphia: Lippincott Williams & Wilkins 2007. ISBN: 9780781768795. \$92.95.

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.

Nogard, 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

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

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. 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

*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.

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.

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. URL:

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.

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

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.

*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.

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>

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

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

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

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

B.3.0 PHARMACEUTICS

*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.

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

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

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

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

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.

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

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

*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.

*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

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

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

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

B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS

Banga, Ajay K. Therapeutic peptides and proteins. 2nd ed. Lancaster, PA: Technomic, 2005. ISBN: 9780849316302. \$199.95.

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.

Dressman, Jennifer B.; and C., Reppas, eds. Oral drug absorption: prediction and assessment. 2nd ed. ed. New York: Informa Healthcare 2010. ISBN: 9781420077339. \$250.00.

Kj, Jensen, ed. Peptide and protein design for biopharmaceutic 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., eds. 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.

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

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

Washington, Neena; Washington, Clive; and Wilson, Clive G. Physiological pharmaceutics: barriers to drug absorption. 2nd ed. London, England: Taylor & Francis, 2001. ISBN: 9780748405626. \$59.95.

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

The Biopharmaceutics Classification System (BCS) guidance. U.S. Food and Drug Administration. URL: <http://www.fda.gov/AboutFDA/CentersOffices/CDER/ucm128219.htm>

B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT

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.

Chorghade, Mukund S., ed. Drug discovery and development. New York: Wiley 2006-07. ISBN: 9780471398462. 2-vol. set, \$219.35.

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 and Williams' introduction to the principles of drug design and action. 4th ed. Boca Raton, FL: CRC Press 2005. ISBN: 9780415288774 \$96.26.

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.

Lee, Chi-Jen; Lee, Lucia H.; and Lu, Cheng-Hsiung. Development and evaluation of drugs: from laboratory through licensure to market. Boca Raton, FL: CRC, 2003. ISBN: 0849314011. \$199.95.

Lidstone, John; and Maclennan, Janice. Marketing planning for the pharmaceutical industry. 2nd ed. Brookfield, VT: Gower, 1999. ISBN: 0566081121. \$165.00.

Mujumdar, A. S. Handbook of industrial drying. 2nd ed. New York: Dekker, 1987. ISBN: 0824705955 (2 volume set). 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. ISBN. \$131.00.

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

Tyle, Praveen. Specialized drug delivery systems: manufacturing and production technology. New York: Dekker, 1990. ISBN: 0824781902. \$175.00.

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. ISBN: 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

Buncher, Ralph; and Tsay, C. Jia-Yeong, eds. Statistics in the pharmaceutical industry. 2nd rev. ed. New York: Dekker 1994. ISBN: \$195.00.

Chow, Shein-Chung; and Liu, Jen-Pei. Statistical design and analysis in pharmaceutical science: validation, process controls, and stability. New York: Dekker, 1995. ISBN: 0824793366. \$165.00.

Riley, Christopher M.; and Rosanske, Thomas W. Development and validation of analytical methods. New York: Pergamon, 1996. ISBN: 0080427928. \$88.00.

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

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

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

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

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.

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

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.

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

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

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.

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.

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

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

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

Hollinger, Manfred 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.

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

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.

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

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

*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-. ISBN: \$269.00.

Barile, Frank A. Clinical toxicology: principles and mechanisms. New York: Taylor and Francis, 2010. ISBN: 9781420092257. \$250.00.

*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.

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

*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.

Lee, Anne, ed. Adverse drug reactions. 2nd ed. Chicago: Pharmaceutical Press 2006. ISBN: 9780853696018. \$55.00.

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

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

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>

*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.

*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.

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

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.

Zuccherro, Frederic J.; Hogan, Mark J. ; and Sommer, Christine D., eds. Evaluations of drug interactions. St. Louis, MO: First DataBank 2005-. ISBN: \$240.00.

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>

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/>

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>

B.8.b VETERINARY PHARMACOLOGY

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

Bill, Robert. Medical mathematics and dosage calculations for veterinary professionals. 2nd ed. Ames, IA: Wiley-Blackwell, 2009. ISBN: 0813823633. \$42.99.

Boothe, Dawn Merton. Current topics in clinical pharmacology and therapeutics Philadelphia: Saunders, 2006. ISBN: 1416038283. \$58.00.

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.

*Merck veterinary manual. 9th ed. Rahway, NJ: Merck 2005. ISBN: 0911910506. \$45.00.

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.. ed. An A-Z guide to pharmacogenomics. Washington, DC: AACCPress 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.

*Jablonski, Stanley, ed. Dictionary of medical acronyms and abbreviations. 6th ed. Philadelphia: Saunders 2009. ISBN: 9781416058991. \$34.95.

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

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/scitectenv/medicinehealth/amed/amed.html>

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

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, , II, Arthur F.; 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. 5th ed. Philadelphia: Saunders, 2011. ISBN: 9781416033851. \$79.95.

*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.7 CLINICAL SCIENCES - WEB SITES

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

D.1 PATHOPHYSIOLOGY

Henry's clinical diagnosis and management by laboratory methods. 22nd ed. Philadelphia: Elsevier/Saunders 2011. ISBN: 9781437709742. \$159.00.

*Kumar, Vinay; Abbas, Abul 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. \$91.00.

D.2 PATIENT PHYSICAL ASSESSMENT

Jarvis, Carolyn. Physical examination and health assessment. 6th ed. St. Louis: Elsevier/Saunders, 2012. ISBN: 9781437701517. \$105.00.

*Jones, Rhonda M.; and Rospond, Raylene M. Patient assessment in pharmacy practice. 2nd ed. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2009. ISBN: 9780781765565. \$75.95.

Seidel, Henry M.; Ball, Jane W.; and Dains, Joyce E. Mosby's guide to physical examination. 7th ed. St. Louis: Mosby/Elsevier, 2011. ISBN: 9780323055703. \$105.00.

*Swartz, Mark H. Textbook of physical diagnosis: history and examination. 6th ed. Philadelphia: Saunders/Elsevier, 2010. ISBN: 9781416062035. \$99.95.

D.3.0 THERAPEUTICS

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.

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.

*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.

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

*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.

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.

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

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

*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.

*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.

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.

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

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

Hazzard's geriatric medicine and gerontology. 6th ed. New York: McGraw-Hill 2009. ISBN: 9780071488723. \$228.00.

Hutchison, Lisa C.; and Sleeper, Rebecca B., eds. Fundamentals of geriatric pharmacotherapy: an evidence-based approach. Bethesda, MD: American Society of Health-System Pharmacists 2010. ISBN: 9781585282289. \$71.00.

Kane, Robert L.; Ouslander, Joseph G.; Abrass, Itamar B., et al. Essentials of clinical geriatrics. 6th ed. New York: McGraw-Hill, 2009. ISBN: 9780071498227. \$60.95.

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

Semla, Todd P.; Beizer, Judith L.; and Higbee, Martin D. , eds. Geriatric dosage handbook. 17th ed. Hudson, OH: Lexi-Comp 2012. ISBN: 9781591953029. \$59.95. Also available online, PDA, and on-desktop.

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

Merck manual for health care professionals: 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. \$330.00.

*Devita, Hellmann, and Rosenberg's cancer: principles and practice of oncology. 9th ed. Philadelphia: Lippincott Williams & Wilkins 2011. ISBN: 9781451105452. \$399.00.

Hoffman, Ronald; Furie, Bruce; McGlave, Philip, et al., eds. Hematology: basic principles and practices. 5th ed. Philadelphia: Churchill-Livingstone 2009. ISBN: 9780443067150. \$314.00.

Mendelsohn, John;Howley, Peter;Israel, Mark, et al., eds. The molecular basis of cancer. 3rd ed. Philadelphia: Saunders 2008. ISBN: 9781416037033. \$218.00.

Perry, Michael C. Chemotherapy source book. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2007. ISBN: 9780781773287. \$99.95. 5th ed. due 2012 under title, Perry's the chemotherapy source book.

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

Wintrobe's clinical hematology. 12th ed. Philadelphia: Lippincott Williams & Wilkins 2008. ISBN: 9780781765077. 2-vol. set, \$359.50.

D.3.e PARENTERALS

*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.

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

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

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

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

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

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

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.

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.

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

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. New York: 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.

*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

Baughman, Verna L.; Golembiewski, Julie; Gonzales, Jeffrey P., et al. Anesthesiology & critical care drug handbook : including select disease states & perioperative management. 10th ed. Hudson, OH: Lexi-Comp, 2011. ISBN: 9781591952985. \$54.95.

Calvey, Norman; and Williams, Norton. Principles and practice of pharmacology for anaesthetists. 5th ed. Malden, MD: Wiley-Blackwell, 2008. ISBN: 9781405157278. \$242.95.

Evers, Alex S.; Maze, Mervyn; and Kharasch, Evan D. Anesthetic pharmacology: physiologic principles and clinical practice. Cambridge, UK: Cambridge University Press, 2011. ISBN: 9780521896665. \$195.00.

Miller, Ronald D., ed. Miller's anesthesia. 7th ed. New York: Elsevier/Churchill Livingstone 2010. ISBN: 9780443069598. \$349.00. Two-volume set Includes access to the full-text online. 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. \$184.95.

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. 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

*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.

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.

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/>

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

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.

Griffith's instructions for patients. 7th ed. Philadelphia: Saunders, 2005. ISBN: 9781416000365. \$79.95.

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

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

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.

Silverman, 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

*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.

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

*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.

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*. San Francisco: 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. ISBN. \$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. ISBN: \$50.00.

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

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).

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

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

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

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

*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>

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

E.4.0 PROFESSIONAL PRACTICE

*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.

*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.

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

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>

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. ISBN. \$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.

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.

E.4.b - X.4.a HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - QUALITY ASSURANCE

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

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

*AHA guide to the health care field: a guide to United States hospitals, health care systems, networks, alliances, health organizations, agencies, and providers. Chicago: Healthcare InfoSource annual. ISBN: 2008, \$330.00.

*AHA hospital statistics. Chicago: Health Forum annual. ISBN: 2011, \$240.00.

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

American Society of Health System Pharmacists. ASHP Health-System Pharmacy 2015 Initiative. Bethesda: American Society of Health-System Pharmacists, 2011. URL: <http://www.ashp.org/2015>

American Society of Health System Pharmacists. Policy positions & guidelines (best practices). Bethesda: American Society of Health-System Pharmacists. URL: <http://www.ashp.org/bestpractices>

E.4.c HOME HEALTH CARE

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

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

E.4.c – X.7 HOME HEALTH CARE – WEB SITES

*Guidelines: minimum standard for home care pharmacies. American Society of Health-System Pharmacists. URL: <http://www.ashp.org/DocLibrary/BestPractices/SettingsGdlMinHC.aspx>

E.4.d MANAGED CARE

Bozzette, Samuel A.; D'Amato, Rebecca; Morton, Sally C., et al. Pharmaceutical technology assessment for managed care: current practice and suggestions for improvement. Pittsburgh, PA: RAND Corporation, 2001. ISBN: 9780833031242. \$20.00. Also free online as .pdf document at http://www.rand.org/pubs/monograph_reports/2005/MR1206.pdf.

Kongstvedt, Peter R. Essentials of managed health care. New York: Jones and Bartlett, 2007. ISBN: 9780763739836. \$130.95.

*Navarro, Robert. Managed care pharmacy practice. 2nd ed. Sudbury, MA: Jones and Bartlett, 2009. ISBN: 9780763732400 \$89.95.

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

Wertheimer, Albert I.; and Navarro, Robert, eds. Managed care pharmacy: principles and practice. New York: Pharmaceutical Products 1999. ISBN: 9780789006394. \$99.95.

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

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

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

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

E.4.e DRUG USE EVALUATION

American Society of Hospital Pharmacists. Special Projects Division, ed. Criteria for drug use evaluation. Bethesda: American Society of Health-System Pharmacists 1989. ISBN: Vol. 4, \$66.50; Vol. 1-3 (called DUE 1-3) on CD-ROM, \$98.95.

X.1.0 HISTORY

Anderson, Lee; and Higby, Gregory. The spirit of voluntarism: a legacy of commitment and contribution: the United States Pharmacopeia 1820-1995+. Rockville, MD: USP (distributed by American Institute of the History of Pharmacy), 1995. ISBN: 0913595888. \$30.00.

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

Griffenhagen, George B.; Higby, Gregory; Sonnedecker, Glenn, et al., eds. 150 years of caring: a pictorial history of the APhA. New York: McGraw Hill Professional 2002. ISBN: 1582120404. \$99.00.

Griggs, Barbara. Green pharmacy: the history and evolution of western herbal medicine. 3 ed. Rochester, VT: Healing Arts Press, 1997. ISBN: 9780892817276. \$17.21.

Henderson, Metta Lou, ed. American women pharmacists: contributions to the profession. London: Informa Healthcare 2002. ISBN: 0789010925. \$34.95.

Higby, Gregory J. In service to American pharmacy: the professional life of William Procter, Jr. Tuscaloosa: University of Alabama, Distributed by the American Institute of the History of Pharmacy, 1992. ISBN: 9780817305918. \$15.00.

Higby, Gregory. One hundred years of the National Formulary: a symposium. Madison, WI: American Institute of the History of Pharmacy, 1989. ISBN: 093129231X. \$8.00.

Higby, Gregory J.; and Stroud, Elaine C. American pharmacy (1852-2002): a collection of historical essays. Madison, WI: American Institute of the History of Pharmacy, 2005. ISBN: 9780931292392. \$20.00.

Higby, Gregory; Stroud, Elaine. Historical hobbies for the pharmacist. 2nd ed. Madison, WI: American Institute of the History of Pharmacy, 1994. ISBN: 0931292263. \$8.00.

Higby, Gregory J.; and Stroud, Elaine C., eds. The inside story of medicines: a symposium. Madison, WI: American Institute of the History of Pharmacy 1997. ISBN: 093129231X. \$25.00.

Maehle, Andreas-Holger. Drugs on trial: experimental pharmacology and therapeutic innovation in the eighteenth century. Atlanta: Rodopi, 1999. ISBN: 9789042007932. \$165.00.

Mann, John. Life saving drugs: the elusive magic bullet. Belfast: Royal Society of Chemistry, 2004. ISBN: 0854046348. \$69.95.

Marks, Harry M. Progress of experiment: science and therapeutic reform in the United States, 1900-1990. New York: Cambridge, 1997. ISBN: 9780521581424. \$32.99.

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

Porter, Roy; and Teich, Mikulas. Drugs and narcotics in history. New York, NY: Cambridge, 1997. ISBN: 052158597X. \$48.00.

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

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.

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

Young, James H. The medical messiahs: a social history of health quackery in twentieth-century America. Ann Arbor: Books on Demand, 1992. ISBN: 9780691005799. \$164.80.

X.1.0 - X.1.a HISTORY - CLASSICS

Cowen, David L.; and Helfand, William H. Pharmacy: an illustrated history. New York, NY: Abrams, 1991. ISBN. o.p.

Parascandola, John. The development of American pharmacology. Baltimore, MD: Johns Hopkins, 1992. ISBN: 0801844169. o.p.

X.1.0 - X.2.a HISTORY - BIBLIOGRAPHIES AND LITERATURE GUIDES

*King, Nydia M., ed. A selection of primary sources for the history of pharmacy in the United States: books and trade catalogs from the colonial period to 1940. Madison, WI: American Institute of the History of Pharmacy 1987. ISBN: 0931292166. \$11.00.

Parascandola, John; and Keeney, Elizabeth, eds. Sources in the history of American pharmacology. Madison, WI: American Institute of the History of Pharmacy 1983. ISBN: 0931292123. \$5.00.

X.1.a CLASSICS

Allen's compounded formulations: the complete U. S. Pharmacist collection. Washington, DC: American Pharmacists Association 2003. ISBN: 9781582120416. \$149.00.

*Bruneton, Jean. Pharmacognosy, phytochemistry, medicinal plants. 2nd ed. London, England: Intercept, Ltd., 1999. ISBN: 9781898298632. \$197.00.

Cowen, David L.; and Helfand, William H. Pharmacy: an illustrated history. New York, NY: Abrams, 1991. ISBN. o.p.

Davies's textbook of adverse drug reactions. 5th ed. New York: Oxford 1999. ISBN: 0412824809. o.p.

Joint Commission for the Accreditation of Healthcare Organizations, ed. A guide to performance improvement for pharmacies. Oakbrook Terrace, IL: Joint Commission on Accreditation of Healthcare Organizations 1997. ISBN: 0866885374. \$45.00.

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

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

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).

Parascandola, John. The development of American pharmacology. Baltimore, MD: Johns Hopkins, 1992. ISBN: 0801844169. o.p.

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

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

Smith, Mickey C., ed. Studies in pharmaceutical economics. New York: Pharmaceutical Press 1996. ISBN: 9780789000620. \$64.95.

Spilker, Bert, ed. Quality of life and pharmacoeconomics in clinical trials. 2nd ed. Philadelphia: Lippincott Williams and Wilkins 1996. ISBN: 9780781703321. \$175.00.

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

Von Reis Altschul, Siri, ed. Drugs and foods from little known plants: notes in Harvard University herbaria. Cambridge, MA: Harvard 1973. ISBN: 9780674216761. \$63.00.

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

Wren, R. C.; Williamson, Elizabeth M. ; and Evans, Fred J. Potter's new cyclopaedia of botanical drugs and preparations. Rev. ed. Saffron Walden, England: C.W. Daniel Company, 1988. ISBN. \$42.95.

X.2.0 INFORMATICS

Anderson, Philip O.; McGuinness, Susan M.; and Bourne, Philip E., eds. Pharmacy informatics. Boca Raton, FL: CRC Press 2010. ISBN: 9781420071757. \$89.95.

Dumitru, Doina, ed. Pharmacy informatics primer. Bethesda, MD: American Society of Health-System Pharmacists 2009. ISBN: 9781585281664. \$57.00.

Felkey, Bill G.; Fox, Brent; and Thrower, Margaret. Health care informatics: a skills-based resource. Washington, DC: American Pharmacists Association, 2006. ISBN: 9781582120607. \$58.00.

*Malone, Patrick M.; Kier, Karen L.; and Stanovich, John E., eds. Drug information: a guide for pharmacists. 3rd ed. New York: McGraw-Hill 2006. ISBN: 0071437916. \$59.95.

X.2.a BIBLIOGRAPHIES AND LITERATURE GUIDES

*Snow, Bonnie. Drug information: a guide to current resources. 3rd ed. New York: Neal-Schuman, 2008. ISBN: 9781555706166. \$195.00.

X.2.a - X.7 BIBLIOGRAPHIES AND LITERATURE GUIDES - WEB SITES

MacCara, Mary E.; and Foy, Elizabeth. Drug information resources: a guide for pharmacists. Dalhousie University College of Pharmacy, 1999-. URL: <http://dir.pharmacy.dal.ca/>

X.2.b HANDBOOKS AND DICTIONARIES

*AHFS drug information: American hospital formulary service. Bethesda: American Society of Health-System Pharmacists annual. ISBN: 9781585281619. 2007, \$239.00. Also available for handheld devices.

*American drug index. St. Louis: Wolters Kluwer Health annual. ISBN: 9781574392494. 51st ed, 2006, \$79.95. Also available on CD-ROM.

*Anderson, Philip O.; Knoben, James E.; and Troutman, William G. , eds. Handbook of clinical drug data. 10th ed. New York: McGraw-Hill 2002. ISBN: 0071363629. \$44.95.

British pharmacopoeia 2007. London, England: Her Majesty's Stationery Office 2007. ISBN: 9780113227259. 5 vol. set, \$1,595.00/set with CD-ROM, including European Pharmacopoeia monographs and British Pharmacopoeia (Veterinary). Available online.

Compendium of pharmaceuticals and specialties. Ottawa, Canada: Canadian Pharmacists Association annual. ISBN: 2007, \$210.00. Available online.

Consolidated list of products whose consumption and/or sale have been banned, withdrawn, severely restricted or not approved by governments. 8th ed. New York: United Nations 2003. ISBN: 9789211302301. \$125.00.

Davis, Neil M. Medical abbreviations: 28,000 conveniences at the expense of communications and safety. 13th ed. Warminster, PA: Neil M. Davis Assoc., 2007. ISBN: 9780931431135. \$26.95.

*Drug facts and comparisons. St. Louis, MO: Facts and Comparisons 1953-. ISBN: 9781574392456. 2006, 60th ed. text with CD-ROM, \$215.95. Available in a variety of formats and at various prices.

*Drug Topics red book. Montvale, NJ: Thomson PDR annual. ISBN: 9781563635731. 2007, \$76.95; monthly updates \$99.00.

European pharmacopoeia. 6th ed. Strasbourg, France: Council of Europe 2008-. ISBN: 9789287160614. 450 euros (includes supplements 6.1 and 6.2). Available in CD-ROM and online.

*Ident-a-drug reference. Stockton, CA: Therapeutic Research Center 1997-. ISBN: 9780978820527. 2007 ed., \$39.00.

IDENTIDEX system. Greenwood Village, CO: Thomson MICROMEDEX 1974. ISBN: MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available on CD-ROM and online.

*Index nominum international drug directory. 18th ed. Stuttgart, Germany: Medpharm for the Swiss Pharmaceutical Society (dist. in the US by Taylor & Francis) 2004. ISBN: 9783887631017. \$315.00.

International nonproprietary names (INN) for pharmaceutical substances. Denominations communes internationales (DCI) pour les substances pharmaceutiques: lists 1-96 of proposed INN and lists 1-57 of recommended INN: cumulative list no. 12. Geneva: World Health Organization 2007. ISBN: 9789240560239. \$315.00 CD-ROM; also available online.

International pharmacopoeia. 4th ed. Geneva, Switzerland: World Health Organization 2006. ISBN: 9789241563017. \$360.00.

*Lacy, Charles; Armstrong, Lora L.; Goldman, Morton P., et al., eds. Drug information handbook. Hudson, OH: Lexi-Comp annual. ISBN: 9781591952305. 16th ed., \$59.95. Also available for PDA, on CD-ROM and online as Lexi-Drugs.

*Martindale: the complete drug reference. 35th ed. London, England: Pharmaceutical Press 2007. ISBN: 9780853696872. \$550.00. Also available on CD-ROM and online.

*The Merck index: an encyclopedia of chemicals, drugs, and biologicals. 14th ed. Whitehouse Station, NJ: Merck 2006. ISBN: 9780911910001. \$125.00. Also available on CD-ROM and online.

PDR medical dictionary. 3rd ed. Montvale, NJ: Thomson PDR 2006. ISBN: 9781563635441. \$49.95.

Pharmacopoeia of Japan. 15th ed. Tokyo, Japan: Society of Japanese Pharmacopoeia 2007. ISBN: 9784840809740. \$600.00.

*Physician's desk reference (PDR). Montvale, NJ: Thomson PDR annual. ISBN: 9781563635687. 2006, \$94.95. Also available online, on CD-ROM, and PDA.

*Physicians' desk reference for ophthalmic medicines. Montvale, NJ: Medical Economics annual. ISBN: 9781585281619. 35th ed., 2006, \$94.95. Also available online and PDA.

*United States pharmacopoeia/national formulary: USP/NF. Rockville, MD: US Pharmacopoeia annual. ISBN: 9781889788470. 2007, \$718.00. Also available online and on CD-ROM.

*USP dictionary of USAN and international drug names. Rockville, MD: US Pharmacopoeia annual. ISBN: 1889788244. 2007, \$299.00. Also available online.

X.2.b - X.7 HANDBOOKS AND DICTIONARIES - WEB SITES

Drugs.com. Auckland, New Zealand: Drugsite Trust. URL: <http://www.drugs.com>

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

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

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

X.2.c EVIDENCE-BASED PRACTICE

Ascione, Frank J. Principles of scientific literature evaluation: critiquing clinical drug trials. Washington, DC: American Pharmacists Association, 2001. ISBN: 9781582120089. \$45.00.

Greenhalgh, Trisha. Evidence based health care workbook: understanding research, for individual and group learning. London, England: BMJ Books, 2000. ISBN: 9780727914477. \$41.95.

Greenhalgh, Trisha. How to read a paper: the basics of evidence based medicine. 4th ed. Hoboken NJ: Wiley-Blackwell, 2010. ISBN: 9781444334364. \$36.95.

Riegelman, Richard K. Studying a study and testing a test: how to read the medical evidence. 5th ed. Philadelphia: Lippincott Williams & Wilkins, 2005. ISBN: 9780781745765 \$59.95, with CD-ROM interactive exercises.

*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.

X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS

*Abood, Richard R. Pharmacy practice and the law. 6th ed. Boston, MA: Jones and Bartlett, 2010. ISBN: 9780763781293. \$98.95.

Appelbe, G.E.; and Wingfield, J. Dale and Appelbe's pharmacy law and ethics. 9th ed. London, England: Pharmaceutical Press, 2009. ISBN: 9780853698272. \$69.99.

Beers, Donald O. Generic and innovator drugs: a guide to FDA approval requirements. 7th ed. New York, NY: Aspen, 2008. ISBN: 9780735576636. \$395.00.

Drugs in litigation: damage awards involving prescription and nonprescription drugs. Charlottesville, VA: LexisNexis annual. ISBN: 9781422477502. 2009, \$220.00.

Feinberg, Debra B. Pharmacy law: textbook & review. New York: McGraw Hill, 2008. ISBN: 9780071486354. \$44.95.

*Fink, Joseph J.; Reid, Kim K.; and Vivian, Jesse C. Pharmacy law digest. St. Louis: Facts and Comparisons, annual. ISBN: 1574392247. 40th ed., 2006, \$62.95

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

Hutt, Peter B.; Merrill, Richard A.; and Grossman, Lewis A. Food and drug law: cases and materials. 3rd ed. Westbury, NY: Foundation Press, 2007. ISBN: 9781587780684. \$116.00.

Hutt, Peter B.; Merrill, Richard A.; and Grossman, Lewis A. Food and drug law: cases and materials. 3rd ed. Statutory supplement. 3rd ed. Westbury, NY: Foundation Press, 2008. ISBN: 9781599414560. \$28.50.

Konnor, Delbert D., ed. Pharmacy law desk reference. Binghamton, NY: Haworth Press 2007. ISBN: 9780789018212. \$69.95.

*National Association of Boards of Pharmacy. Model state pharmacy act and model rules of the National Association of Boards of Pharmacy. Mount Prospect, ILL: NABP. URL: <http://www.nabp.net/government-affairs/model-actrules/>

*National Association of Boards of Pharmacy, ed. Survey of pharmacy law. Mount Prospect, IL: NABP annual. ISBN: CD-ROM, \$20.00. Free of charge to all final-year pharmacy students through a grant.

Pisano, Douglas J. Essentials of pharmacy law. Boca Raton, FL: CRC Press, 2002. ISBN: 9781566769181. \$59.95.

Reiss, Barry S.; and Hall, Gary D., eds. Guide to federal pharmacy law. 6th ed. Boynton Beach, FL: Apothecary Press 2009. ISBN: 9780967633268 \$46.95.

*Strauss, Steven. Strauss's federal drug laws and examination review. 5th rev. ed. Boca Raton, FL: CRC Press, 2000. ISBN: 1566769787. \$74.95.

Woodside, Frank C., lii. Drug product liability. New York: Bender, loose-leaf. 1974-. ISBN: 9780820512570. Vol. 1-4, \$1017.00.

X.3 - X.7 LAWS, LEGISLATION, REGULATIONS, AND ETHICS - WEB SITES

*Code of federal regulations: Title 21: Food and drugs; Title 42: Public health. Washington. DC: U.S. Government Printing Office. URL: <http://www.gpoaccess.gov/cfr/index.html>

Federal register. Washington, D.C.: Office of the Federal Register, National Archives and Records Administration. URL: <http://www.gpoaccess.gov/fr/>

National Association of Boards of Pharmacy. URL: <http://www.nabp.net/>

THOMAS: Legislative information on the Internet. Washington, DC: Library of Congress, 1999-. URL: <http://thomas.loc.gov/>

*U.S. Food and Drug Administration. Rockville, MD: FDA. URL: <http://www.fda.gov/>

U.S. Food and Drug Administration. Drugs. URL: <http://www.fda.gov/drugs>

X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

Chernick, Michael R.; and Friis, Robert H. Introductory biostatistics for the health sciences: modern applications including bootstrap. Hoboken, N.J: Wiley-Interscience, 2003. ISBN: 9780471411376. \$142.00.

Gehlbach, Stephen H. Interpreting the medical literature: practical epidemiology for clinicians. 5th ed. New York: McGraw-Hill, 2006. ISBN: 9780071437899. \$40.95.

*Glantz, Stanton A. Primer of biostatistics. 6th ed. New York: McGraw-Hill, 2005. ISBN: 9780071435093. \$49.95.

Riegelman, Richard K. Studying a study and testing a test: how to read the medical evidence 5ed. Philadelphia: Lippincott Williams & Wilkins, 2005. ISBN: 9780781745765. \$56.75.

Rosner, Bernard. Fundamentals of biostatistics. 6th ed. Pacific Grove, CA: Duxbury Press, 2005. ISBN: 9780534418205. \$183.95.

Van Belle, Gerald; Fisher, Lloyd D.; Heagerty, Patrick J., et al., eds. Biostatistics: a methodology for the health sciences. Hoboken, NJ: Wiley Interscience 2004. ISBN: 9780471031857. \$158.00.

X.4.a QUALITY ASSURANCE

Agalloco, James P.; and Carleton, Frederick J., eds. Validation of pharmaceutical processes. 3 ed. London: Informa Healthcare 2008. ISBN: 978-0849370557. \$329.95.

Azzopardi, Lilian M. Validation instruments for community pharmacy: pharmaceutical care for the third millennium. New York: Pharmaceutical Products Press, 2000. ISBN: 9780789009005. \$89.95.

Cohen, Michael R. Medication errors. 2nd ed. Washington, DC: American Pharmacists Association, 2007. ISBN. \$89.95.

Committee on Identifying and Preventing Medication Errors. Board on Health Care Services;Aspden, Philip;Wolcott, Julie, et al., eds. Preventing medication errors. Washington, DC: National Academies Press 2006. ISBN: 9780309101479. \$54.95.

Nash, Robert A.; Wachter, Alfred H.; and Swarbrick, James, eds. Pharmaceutical process validation: an international edition. New York: Dekker 2003. ISBN: 9780824708382. \$299.95.

X.5 DIRECTORIES

Pharma industry directory, 2003-2004. Maplewood, NJ: CTB International Publishing 2003. ISBN: 188756621X. \$250.00.

X.5 - X.7 DIRECTORIES - WEB SITES

Pharmacy-related academic institutions on the Internet. PharmWeb, 1994-. URL:
<http://www.pharmweb.net/pwmirror/pw8/pharmweb8.html>

Bourne, David. Virtual library pharmacy. 1999-. URL: <http://www.pharmacy.org/>

Temple, David J. The World list of schools of pharmacy. 1996-. URL:
<http://www.cf.ac.uk/phrmy/subsites/WWW-WSP/>