Basic Resources for Pharmacy Education
July 2019 Edition
A Service Project of the
Library and Information Sciences Section of the
American Association of Colleges of Pharmacy
Edited by Jason Guy and Ivan Portillo

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Basic Resources for Pharmacy Education is produced as a guide for those who manage library collections that serve colleges of pharmacy. This list contains recommendations for works to be included in pharmacy library collections. The books and other works recommended in the Basic Resources are suitable for all pharmacy college libraries, but all pharmacy college libraries need not purchase every title in the list. Each pharmacy college has its own mission and its own program(s), and so each college’s library collection must reflect that mission and support the college’s program(s). Excellent library collections are built by knowledgeable librarians using their professional judgment along with the expertise of the college’s faculty. Basic Resources, therefore, should not be used as a benchmark and is not prescriptive, but is instead a starting place for librarians who are building a new collection or maintaining an established one.

Producing Basic Resources is a community effort. Each subject section is reviewed every three years by a contributor who makes suggestions for additions and deletions. Then, the editors compile the recommended additions and deletions for that review cycle and an advisory panel of pharmacy librarians and faculty members vote on the suggested changes. Approved changes are subsequently incorporated into the list’s database. There are two review cycles each year so that two sets of sections are reviewed during the course of one year. Our goal is to review the entire list every three years and to publish Basic Resources semiannually. Sections updated since the last (July 2019) edition are A.4.0 MICROBIOLOGY, C.0 MEDICAL SCIENCES, C.1 ANATOMY, D.3.e PARENTERALS, E.3.c INTERPROFESSIONAL EDUCATION, X.1.0 HISTORY, X.2.0 INFORMATICS, X.2.a BIBLIOGRAPHIES, X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN, and X.4.a QUALITY ASSURANCE.

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

A.0 BASIC SCIENCES
   A.1. GENERAL CHEMISTRY
   A.2 BIOCHEMISTRY (See also B.1 MEDICINAL CHEMISTRY)
   A.3 IMMUNOLOGY
   A.4.0 MICROBIOLOGY
      A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY
B.0 PHARMACEUTICAL SCIENCES
   B.1 MEDICINAL CHEMISTRY
   B.2 PHARMACOGNOSY AND NATURAL PRODUCTS (see also
      D.3.C NUTRITION AND NUTRACEUTICALS)
   B.3.0 PHARMACEUTICS
      B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS
   B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT (see
      also B.5.0 INDUSTRIAL)
   B.5.0 INDUSTRIAL
   B.6.0 COSMETICS
   B.7.0 NUCLEAR AND RADIOPHARMACY
   B.8.0 PHARMACOLOGY
      B.8.a.0 TOXICOLOGY
      B.8.a.1 DRUG ADVERSE REACTIONS, INTERACTIONS,
      AND SIDE EFFECTS (see also D.3.0 THERAPEUTICS)
      B.8.b VETERINARY PHARMACOLOGY
   B.9 PHARMACOGENETICS & PHARMACOGENOMICS
C.0 MEDICAL SCIENCES
   C.1 ANATOMY AND PHYSIOLOGY
D.0 CLINICAL SCIENCES
   D.1 PATHOPHYSIOLOGY
   D.2 PATIENT PHYSICAL ASSESSMENT
   D.3.0 THERAPEUTICS
      D.3.a GERIATRICS
      D.3.b NEUROLOGY
      D.3.c NUTRITION AND NUTRACEUTICALS
      D.3.d ONCOLOGY AND HEMATOLOGY
      D.3.e PARENTERALS
      D.3.f PEDIATRICS
      D.3.g PSYCHIATRY
D.0 CLINICAL SCIENCES (continued)
D.3.0 THERAPEUTICS (continued)
  D.3.h SUBSTANCE ABUSE
  D.3.i SURGERY
  D.3.j PREGNANCY AND LACTATION
D.4. ALTERNATIVE MEDICINE
E.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY)
  E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES
    E.1.a EPIDEMIOLOGY
    E.1.b PHARMACOECONOMICS
  E.2.0 PATIENT-RELATED ACTIVITIES
    E.2.a DISEASE STATE MANAGEMENT
    E.2.b SELF CARE (OTCs)
  E.3.0 PHARMACISTS’ PROFESSIONAL DEVELOPMENT
    E.3.a COMMUNICATION SKILLS
    E.3.b EDUCATION
    E.3.c INTERPROFESSIONAL EDUCATION
    E.3.d CULTURAL COMPETENCY
  E.4.0 PROFESSIONAL PRACTICE
    E.4.a COMMUNITY PHARMACY
    E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY
    E.4.c HOME HEALTH CARE
    E.4.d MANAGED CARE

X.1.0 HISTORY†
  X.1.a CLASSICS†
X.2.0 INFORMATICS†
  X.2.a BIOGRAPHIES AND LITERATURE GUIDES†
  X.2.b HANDBOOKS AND DICTIONARIES†
  X.2.c EVIDENCE-BASED PRACTICE†
X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS†
X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN†
  X.4.a QUALITY ASSURANCE†
  X.5 DIRECTORIES†

†The classifications beginning with ‘X’ may also be used as subdivisions of other classifications.
Examples: A.2 - X.4.0 BIOCHEMISTRY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN
Basic Resources for Pharmacy Education

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

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

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


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

A.1 GENERAL CHEMISTRY


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

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

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


A.2 BIOCHEMISTRY


*Title recommended for first purchase.
A.3 IMMUNOLOGY


A.4.0 MICROBIOLOGY


*Title recommended for first purchase.


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


A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY


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


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


B.0 - PHARMACEUTICAL SCIENCES


*Title recommended for first purchase.
B.0 - X.6.1.c PHARMACEUTICAL SCIENCES - ONLINE ABSTRACTS AND INDEXES

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

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

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

B.1 MEDICINAL CHEMISTRY


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


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


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/

*Title recommended for first purchase.
B.2 PHARMACOGNOSY AND NATURAL PRODUCTS


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


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


*Title recommended for first purchase.
B.2 - X.1.a PHARMACOGNOSY AND NATURAL PRODUCTS - CLASSICS


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

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


*Title recommended for first purchase.

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, $199.00 each; vol. 2 $229.00.


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


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


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


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


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


*Title recommended for first purchase.
B.3.0 PHARMACEUTICS


*Title recommended for first purchase.

B.3.0 - X.1a PHARMACEUTICS - CLASSICS


B.3.0 - X.7 PHARMACEUTICS - WEB SITES

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


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


*Title recommended for first purchase.
B.3.a - X.1.a BIOPHARMACEUTICS AND PHARMACOKINETICS - CLASSICS


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


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

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

B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT


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

*Title recommended for first purchase.

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


**B.5.0 INDUSTRIAL**


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

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


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


**B.5.0 - X.5 INDUSTRIAL - DIRECTORIES**


**B.5.0 - X.7 INDUSTRIAL - WEB SITES**

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

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

NI PTE. National Institute for Pharmaceutical Technology & Education: NI PTE. URL: https://nipte.org/

*Title recommended for first purchase.
Pharmaceutical Research and Manufacturers of America. Pharmaceutical Research and Manufacturers of America: PhRMA. URL: https://www.phrma.org/

**B.6.0 COSMETICS**


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


**B.7.0 NUCLEAR AND RADIOPHARMACY**


*Title recommended for first purchase.
B.7.0 - X.2.b NUCLEAR AND RADIOPHARMACY - HANDBOOKS AND DICTIONARIES


B.8.0 PHARMACOLOGY


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


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

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

**B.8.a.0 TOXICOLOGY**


*Title recommended for first purchase.
B.8.a.0 TOXICOLOGY - CLASSICS


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


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


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


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

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

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

*Title recommended for first purchase.
B.8.a.0 - X.7 TOXICOLOGY - WEB SITES

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


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


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


*Title recommended for first purchase.

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


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


B.8.a.1 - X.7 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS - WEB SITES

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

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


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


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

B.8.b VETERINARY PHARMACOLOGY


*Title recommended for first purchase.
*Title recommended for first purchase.


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


B.9 PHARMACOGENETICS & PHARMACOGENOMICS


*Title recommended for first purchase.
B.9 - X.2.a PHARMACOGENETICS & PHARMACOGENOMICS - HANDBOOKS AND DICTIONARIES


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


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


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

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


C.1 ANATOMY AND PHYSIOLOGY


*Title recommended for first purchase.
**D.0 – X.7 CLINICAL SCIENCES - WEB SITES**


Drugs @ FDA. Silver Spring, MD: US Food and Drug Administration. URL: http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm. Free


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


**D.1 PATHOPHYSIOLOGY**


*Title recommended for first purchase.
**D.2 PATIENT PHYSICAL ASSESSMENT**


**D.3.0 THERAPEUTICS**


*Title recommended for first purchase.
D.3.a GERIATRICS


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


*Title recommended for first purchase.
**D.3.a - X.7 GERIATRICS - WEB SITES**


**D.3.b NEUROLOGY**


**D.3.c NUTRITION AND NUTRACEUTICALS**


*Title recommended for first purchase.


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


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

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


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

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

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


D.3.d ONCOLOGY AND HEMATOLOGY


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

*Title recommended for first purchase.


**D.3.e PARENTERALS**


**D.3.f PEDIATRICS**


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


**D.3.g PSYCHIATRY**


*Title recommended for first purchase.


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


D.3.h SUBSTANCE ABUSE


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


*Title recommended for first purchase.


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


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

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

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

D.3.i SURGERY


D.3.j Pregnancy and Lactation


*Title recommended for first purchase.
D.4 ALTERNATIVE MEDICINE


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


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


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

*Title recommended for first purchase.


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


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


E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES


E.1.a EPIDEMIOLOGY


*Title recommended for first purchase.
E.1.a - X.1.a. EPI DEMIOLOGY - CLASSICS


E.1.a - X.7 EPI DEMIOLOGY - WEB SITES

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

E.1.b PHARMACOECONOMICS


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


*Title recommended for first purchase.


**E.2.a DISEASE STATE MANAGEMENT**


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


**E.3.0 PHARMACISTS’ PROFESSIONAL DEVELOPMENT**


*Title recommended for first purchase.


**E.3.a COMMUNICATION SKILLS**


**E.3.b EDUCATION**


*Title recommended for first purchase.


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


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


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

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


*Title recommended for first purchase.
E.3.c INTERPROFESSIONAL EDUCATION


Weiss, Donna; Tilin, Felice; and Morgan, Marlene. The interprofessional health care team: leadership and development. Burlington, MA: Jones & Bartlett Learning, 2914. ISBN: 9781449673369. $64.95.

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

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

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

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

National Center for Interprofessional Practice and Education. URL: https://nexsusipe.org/

E.3.d CULTURAL COMPETENCY


*Title recommended for first purchase.


*Title recommended for first purchase.

**E.4.0 PROFESSIONAL PRACTICE**


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


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

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

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

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


*Title recommended for first purchase.
National Alliance of State Pharmacy Associations. NASPA, 2011. URL: http://www.ncspae.org

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

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


**E.4.a COMMUNITY PHARMACY**


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


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


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

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

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

Comprehensive accreditation manual for 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.1.a HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - CLASSICS


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


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


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


E.4.c HOME HEALTH CARE


*Title recommended for first purchase.


**E.4.d MANAGED CARE**


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


**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/


**X.1.0 HISTORY**


*Title recommended for first purchase.*


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


*Title recommended for first purchase.


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


**X.1.0 - X.7 HISTORY - WEBSITES**

Pharmacy, American Institute of the History Of. Madison, WI. URL: https://aihp.org/

**X.1.a CLASSICS**


*Title recommended for first purchase.*


**X.2.0 INFORMATICS**


Dumitru, Doina, ed. Pharmacy informatics primer. Bethesda, MD: American Society of Health-System Pharmacists; 2009. ISBN: 9781585281664. $65.00; also available as ebook.


**X.2.a BIBLIOGRAPHIES AND LITERATURE GUIDES**


*Title recommended for first purchase.
X.2.a - X.7 BIBLIOGRAPHIES AND LITERATURE GUIDES - WEB SITES

Maccara, Mary E.; 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


Compendium of pharmaceuticals and specialties. Ottawa, Canada: Canadian Pharmacists Association; annual. ISBN: ISSN: 0715-3066. $489.00. Also 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.


IDENTIDEX system. Greenwood Village, CO: IBM Watson Health; 1974- MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available online.


*Title recommended for first purchase.


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

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


RxList: the internet drug index. URL: http://www.rxlist.com

**X.2.c EVIDENCE-BASED PRACTICE**


*Title recommended for first purchase.
X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS


*National Association of Boards of Pharmacy. Model state pharmacy act and model rules of the National Association of Boards of Pharmacy: NABP. URL: http://www.nabp.net/publications/model-act

*National Association of Boards of Pharmacy. Survey of pharmacy law. Mount Prospect, IL: NABP; annual. Downloadable PDF, $195.00. Free of charge to all final-year pharmacy students, distributed by NABP through school.


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


National Association of Boards of Pharmacy. URL: https://nabp.pharmacy/

*Title recommended for first purchase.
X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN


*Title recommended for first purchase.


X.4.a QUALITY ASSURANCE


X.4.a - X.7 QUALITY ASSURANCE - WEB SITES

Institute for healthcare improvement. URL: http://www.ihi.org/Pages/default.aspx

Institute for safe medication practice. URL: http://www.ismp.org/default.asp

X.5 - X.7 DIRECTORIES - WEB SITES

Boume, David. Virtual library pharmacy, 1999-. URL: http://www.pharmacy.org/

Federation, International Pharmaceutical. Official world list of pharmacy schools. URL: http://academic_institutional_membership.fip.org/world-list-of-pharmacy-schools/

*Title recommended for first purchase.