



Library Services Course Guide ~ Chemistry

About our Course Guides:

Each page is dedicated to the areas covered by the courses offered here at RPCC. Each page lists various types of resources, including printable guides and handouts, suggested databases for research, selected e-books and books in our collection, and links to relevant online resources.

For more information on course offerings, visit the following web pages:

Catalogs: <http://www.rpcc.edu/catalogs.cfm>

Technical Programs: <http://www.rpcc.edu/technicalPrograms.cfm>

Suggested Databases:

Click on any **Databases** link on the Library website to access these. Please note that access from off-campus will require your Library User ID (or Alt ID) & PIN, or, for some resources, a different User ID & Password. See our page on [Using Online Library Resources From Home](#).

- **Academic Search Complete**
- **JSTOR - The Scholarly Journal Archive**
- **Oxford Reference Online**
- **Science and Technology Collection**

Selected E-Books:

The **eBook Collection** from EBSCOhost is our largest provider of e-books (electronic copies of printed books PDF format), available 24 hours a day, 7 days a week. **eBook Collection** has an easy-to-use search interface. You will be prompted to login with your 12-digit Library User ID to access these e-books from off-campus. Please see our Tutorials on eBook Collection from EBSCOhost for more information.

General Reference:

- *Basic Training in Chemistry*, 2002, by Steven L. Hoenig.
- *Chemistry Demystified*, 2003, by Linda D. Williams.
- *Data Analysis for Chemistry: An Introductory Guide for Students and Laboratory Scientists*, 2006, by D. B. Hibbert.
- *Homework Helpers. Chemistry*, 2004, by Greg Curran.
- *The Hutchinson Pocket Dictionary of Chemistry*, 2004.
- *Schaum's Outline of Theory and Problems of Beginning Chemistry*, 3rd Edition, 2005, by David E. Goldberg.

Organic Chemistry:

- *Advanced Organic Chemistry: Reactions, Mechanisms, and Structure*, 1992, by Jerry March.
- *Organic Chemistry*, 2004, by Graham L. Patrick.
- *Organic Chemistry Demystified*, 2006, by D. R. Bloch.
- *Schaum's Outline of Theory and Problems of Organic Chemistry*, 1991, by Herbert Meislich.

Visit our eBook Collections, <http://library.rpcc.edu/ebooks.html>, for links to eBook Collection from EBSCOhost and other e-book collections. Please note that books that are still protected by copyright may not be available online in full-text from the free sources.

Locations of Chemistry Resources in the library:

Chemistry-related topics can be found in resources located in these Library of Congress call number ranges:

- **QD1 to QD999** - Chemistry
 - **QD1 to QD65** - General chemistry
 - **QD241 to QD441** - Organic chemistry
 - **QD415 to QD436** - Biochemistry

Selected Books in the Library:

General Reference:

- *CRC Handbook of Chemistry and Physics*, 78th Edition, 1997.
Call number: **QD 65 .C72 1997 REF**
- *Chemistry for the Utterly Confused*, 2007.
Call number: **QD 41 .M66 2007**
- *Hawley's Condensed Chemical Dictionary*, 14th Edition, 2002.
Call number: **QD 5 .C5 2002 REF**.
- *How to Find Chemical Information*, 3rd Edition, 1998.
Call number: **QD 8.5 .M34 1998**

Organic Chemistry:

- *Introduction to Organic Chemistry I*, 2000.
Call number: **QD 256.5 .E38 2000**
- *Organic Chemistry*, 2000.
Call number: **QD 253 .P376 2000**
- *Organic Chemistry Demystified*, 2006.
Call number: **QD 253.2 .B56 2006**
- *Schaum's Outline of Theory and Problems of General, Organic, and Biological Chemistry*, 1994. Call number: **QD 42 .O28 1994**

Selected Journals, Magazines & Newspapers:

Print periodicals are located in C-119 (LRC)

- *Scientific American*

Online Resources:

The following resources have been reviewed and selected in collaboration with relevant faculty. Please note that websites outside of RPCC are beyond our control. We strive to ensure that the sites that we recommend are reliable and valid sources of high-quality information. Please let us know if you find any consistently dead links.

General Reference

- **Chemical Thesaurus**

<http://www.chemthes.com/>

An interactive reaction chemistry database offering different search options as well tutorials and drills.

- **Chemistry Learning Tools**

<http://treefrog.fullerton.edu/chem/index.htm#orm>

Various learning tools from the Dept. of Chemistry & Biochemistry, California State University at Fullerton.

- **chemguide: Helping you to understand Chemistry**

<http://www.chemguide.co.uk/index.html>

Defines terms and concepts, searchable by keyword or using its menu of concepts; also includes a few links. Note that this is a UK site and uses British English rather than American.

- **Chemistry Study Cards**

<http://www.chemmybear.com/stdycrds.html>

“An extensive set of study cards in Adobe Acrobat format on each topic, concept, and skill in general chemistry. They may be used as pre-study objectives or for review before an exam on the topics.” -- Reviewer description.

- **WebElements™ Periodic Table**

<http://www.webelements.com/webelements/scholar/>

An award-winning hyper-linked periodic table that provides properties, uses, etc. for the elements.

Organic Chemistry

- **Colby College Organic Chemistry Simulations,**

<http://www.colby.edu/chemistry/OChem/demoindex.html>

Also titled The Poon-Mundy Computer Demonstrations, offers organic chemistry demo videos.

- **Interactive 3D Organic Reaction Mechanisms**

<http://www.chemtube3d.com/>

“This site contains interactive 3D animations for some of the most important organic reactions covered during an undergraduate degree with supporting information on reactivity and spectroscopy,” from the University of Liverpool.

- **Organic Chemistry from About.com: Chemistry**

http://chemistry.about.com/od/organicchemistry/Organic_Chemistry.htm

Includes lab techniques, glossary, and other resources.

- **WebSpectra, Problems in NMR and IR Spectroscopy**

<http://www.chem.ucla.edu/~webspectra/>

"This site was established to provide chemistry students with a library of spectroscopy problems. Interpretation of spectra is a technique that requires practice - this site provides ^1H NMR and ^{13}C NMR, DEPT, COSY and IR spectra of various compounds for students to interpret. Hopefully, these problems will provide a useful resource to better understand spectroscopy."