

University of the Chinese Academy of Sciences
Scientific Writing in Chemistry

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Professor: Dr. Rainer Glaser
Email: glaserr@missouri.edu
Home Page: <http://faculty.missouri.edu/~glaserr>
Lectures: June 17-21, 2013, 8-11:40 am
Office Hours: June 17-21, 2013, 11:40 am - 12:00 pm and by appointment
Course Web Site: <http://faculty.missouri.edu/~glaserr/UCAS2013a.html>

Course Objectives: Mind-mapping, outlining, standard science sequence. Elements of scientific writing: Summarizing, paraphrasing, understanding and avoiding plagiarism; Tables, schemes & figures. Approaches to data analysis. Methods for locating chemical information and proper citation. Recognizing and communicating significance and meaning. Science Peer Review and responsible authorship.

Word Processing & IT Access: This is a lecture course and no assignments are made. However, to enhance the course “hands-on” assignment experiences are simulated using actual student assignments. Students are encouraged to work the assignments on their own or in small groups outside of class. The writing assignments employ MS Office and ChemOffice and require access to online services including SciFinder, SDBS, and PDB database.

Course Materials

- (1) All course materials are posted on the course web site.
- (2) **REQUIRED.** *From Research to Manuscript: A Guide to Scientific Writing*. 2/e. Michael J. Katz. Springer: New York, **2009**. (\$27.28; Amazon, accessed 01/09/13.)
- (3) **REQUIRED.** *The ACS Style Guide: Effective Communication of Scientific Information*. Anne M. Coghill and Lorrin R. Garson. American Chemical Society: Washington, D.C., **2006**. (\$41.06; Amazon, accessed 01/09/13.)
- (4) **RECOMMENDED REFERENCE.** *Write Like a Chemist: A Guide and Resource*. Marin S. Robinson, Fredricka L. Stoller, Molly Costanza-Robinson, and James K. Jones. Oxford University Press, USA: New York, **2008**. (Paperback: \$37.67; Hardcover: \$125.00 Amazon, accessed 01/09/13.)
- (5) **RECOMMENDED REFERENCE.** *Scientific Writing and Communication: Papers, Proposals, and Presentations*. Angelika H. Hofmann. Oxford University Press, USA: New York, **2009**. (Paperback: \$24.38; Amazon, accessed 01/09/13.)
- (6) **RECOMMENDED REFERENCE.** *Understanding Research Methods*. 8/e. Mildred L. Patten. Pyrczak Publishing: Glendale, CA, **2012**. (Hardcover: \$65.10; Amazon, accessed 05/01/13.)