

Graduate School of the Chinese Academy of Sciences  
*Scientific Authoring in Chemistry*

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Professor: Dr. Rainer Glaser

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Lectures: June 11-15, 2012, 1:00-4:40 pm

Office Hours: June 11-15, 2012, 4:40-5:00 pm and by appointment

Course Web Site: <http://faculty.missouri.edu/~glaserr/GUCAS2012b.html>

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**Course Objectives:** Selecting a journal: Where to publish; Types of scientific journals. Writing a paper: Planning, preparation and submission. Understanding peer review: Reviewing and being reviewed; Peer review ethics. Dealing with peer review: Responding to reviewers and submission of revision. Responsible Authorship: Plagiarism, peer review ethics cases, and scientific misconduct.

**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) **RECOMMENDED.** *From Research to Manuscript: A Guide to Scientific Writing*. 2/e. Michael J. Katz. Springer: New York, **2009**. (\$21.68; Amazon, accessed 05/09/12)
- (3) **RECOMMENDED.** *The ACS Style Guide: Effective Communication of Scientific Information*. Anne M. Coghill and Lorrin R. Garson. American Chemical Society: Washington, D.C., **2006**. (Hardcover: \$38.38; Amazon, accessed 05/09/12)
- (4) **RECOMMENDED.** *Understanding Research Methods*. 8/e. Mildred L. Patten. Pycszak Publishing: Glendale, CA, **2012**. (Hardcover: \$89.50; Amazon, accessed 05/09/12)
- (5) **FURTHER READING.** *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: \$38.85; Amazon, accessed 05/09/12).
- (6) **FURTHER READING.** *Scientific Writing and Communication*. Hofmann, A. H. Oxford University Press, USA: New York, **2009**. (Paperback: \$26.13; Amazon, accessed 05/09/12).