

## Tips for Effective Lab Instruction for Teaching Assistants

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### Part III: Resources

#### Resources

##### 1) Peers and Faculty

- **Primary Class Instructor and Previous TAs**

- If there is a primary course instructor, they may be able to offer advice on how to present information to students or how to handle challenging situations.
- You can also try to ensure congruence between how you both discuss the material and respond to student questions.
- Other graduate students who have taught labs in the past may be able to offer insights based on their previous experience. They may be able to share how they navigated difficult situation and suggest ways you can be more successful.

##### 2) Reinert Center for Transformative Teaching and Learning

- **Teaching center supporting faculty and graduate students**

- Various services are offered for no cost to all instructors at SLU. These include consultations on any aspect of teaching, from course design to assessment.
- Certificates in university teaching are also offered if you wish to further develop your skills as a teacher.

##### 2) Web Links to Chemistry Lab Resources from the ASC

- **Safety Resources (by education level):**  
<https://www.acs.org/content/acs/en/education/policies/safety/chemical-health-and-safety.html>
- **Resources for Green Chemistry Education:**  
<https://www.acs.org/content/acs/en/greenchemistry/students-educators/online-educational-resources.html>
- **Teaching Resources for New Chemistry Instructors:**  
<http://www.chem.wayne.edu/feiggroup/CSCNFW/teaching-resources.html>
- **Mentoring Resources:**  
<http://www.chem.wayne.edu/feiggroup/CSCNFW/mentoring-students.html>
- **Ethics Education Materials & Resources:**  
<https://www.acs.org/content/acs/en/about/governance/committees/ethics/ethics-case-studies.html>
- **Non-ACS Ethics Resources:**  
<https://www.acs.org/content/acs/en/about/governance/committees/ethics/non-ac-ethics-resources.html>.

## References

McKeachie, W. & Svinicki, M. (2013). McKeachie's teaching tips. Cengage Learning

Herrington, D.G., & Nakhleh, M.B. (2003). What defines effective chemistry laboratory instruction? Teaching assistant and student perspectives. *Journal of Chemistry Education*, 80, 1197-1205. doi:10.1021/ed08op1197

*For more information or to discuss how you might incorporate these ideas into your courses, contact the Reinert Center at [ctl@slu.edu](mailto:ctl@slu.edu).*