



***2013 CENTENNIAL AWARD FOR EXCELLENCE IN TEACHING
Michelle Douskey, University of California at Berkeley***

Michelle Douskey earned a BS in Chemistry from Creighton University in 1993 and a PhD from the University of Minnesota-Twin Cities in 2000. Her doctoral work focused on using solid-state NMR to study heterogeneous catalysis. For her postdoctoral work she joined a collaborative project with Rohm and Haas and the Center for Interfacial Engineering at the University of Minnesota. The research involved exploring the reactivity and physical properties of a new polymeric coating material synthesized by Rohm and Haas. Her first faculty position was at the University of St. Thomas in St. Paul, Minnesota. At St. Thomas she used the ChemConnections modules to teach chemistry through applications such as global warming, airbags and computer chips.

Dr. Douskey has been a lecturer in the College of Chemistry at University of California-Berkeley since 2001. Her primary interests are faculty development, curriculum reform, research on assessment of student learning and incorporation of green chemistry into the laboratory program. Dr. Douskey teaches Chem 1A and Chem 1AL, the general chemistry course for non-chemistry majors which serves over 2,000 students a year. In particular, she trains and mentors the 30-50 Graduate Student Instructors (GSIs) in the course, and is involved in writing the laboratory manual, exams and problem sets. Chem 1A is a very technologically heavy course with the use of iClicker (classroom

response system), webcasts, online homework, online simulations, online survey tools and bCourses. She actively pursues ways in which technology can enhance the classroom experience. Dr. Douskey also regularly teaches Chem 4, General Chemistry and Quantitative Analysis, for chemistry majors at Berkeley. She's been pleased to be able to develop greener analytical chemistry experiments for this course including a gas chromatography lab recently published in *Journal of Chemical Education*.

Dr. Douskey received the Outstanding Mentorship of GSIs Award in 2006 for her work with the Chem 1A GSIs. Her work on assessment of student learning was supported by a grant from the National Science Foundation. The green chemistry curriculum development project was funded through the California EPA, Department of Toxic Substances Control. Current work on incorporating green chemistry and sustainable design into the curriculum is funded by the Dow Foundation. Since 2011, Dr. Douskey has also facilitated the Lecturer Teaching Fellows program for the Center for Teaching and Learning.