Study Information Sheet

University of California, Irvine
General Chemistry Inverted Class Pilot Study
RESEARCH TEAM

Lead Researcher
Amanda Brindley, Ph.D. (abrindle@uci.edu)
Lecturer P.S.O.E.
Department of Chemistry
(949) 824-42546

Graduate Student Researcher
WenLiang He (hewenliang@gmail.com)
Graduate Student
School of Education

• As part of producing the best possible chemistry course, we research how much teaching techniques can improve student satisfaction and student learning in large lecture courses. In order to do this, we will collect data about you during the course. This includes coursework like your assignment and exam scores, final grade, your participation in class activities, and demographic data like your incoming SAT scores, your gender and ethnicity, your major and your grades in future chemistry courses (Chemistry 1B and 1C). These data will ONLY be reported in aggregate as the average of a large group of students. No personal or identifiable information will be published or available outside of this research project, and all research data collected will be stored securely and confidentially.

By taking this Chemistry 1A course you are consenting to participate in this study and allowing your records to be included in the analysis. We are not analyzing these data until after final grades have been submitted. If you would prefer your data not be used in our analysis, contact a researcher above and say you would prefer to not participate in this study. Opting out of the study will NOT affect your grade. All extra credit given to those participating in the study, is also given to those who have opted out.

• Authorization to collect student records: By participating in this study, you authorize Amanda Brindley and Wen Liange He from this study to obtain your coursework (as stated above) from your Chemistry 1A, 1B and 1C course. In addition to coursework, this study will request your student information from the University Registrar. By participating in this study you authorize Amanda Brindley and Wen Liange He to obtain the following items from the University Registrar: gender, ethnicity, SAT scores, UCI GPA, class level, and grades from Chemistry 1B and 1C (Instructors Arasasingham, Murray, Nizkordov, Potma).

• You may opt-out by contacting either researcher listed above. There will not be any penalty for doing so.

• We will also survey you about your experiences in the course. These data will ONLY be reported in aggregate as the average of a large group of students. No personal or identifiable information will be published or available outside of this course or research project. The surveys will occur at different
times throughout the quarter, and each will take approximately 2 to 20 minutes to complete. All surveys are optional; do not answer questions marked as “survey question” if you would prefer to not participate. Completion of these surveys will be given a 0.5% extra credit. The results of the surveys will not be viewed until final grades are submitted. The participant list, will be accessed prior to final grade submission by WenLiang He for the administration of extra credit. The instructor will not access the survey for until after final grades have been submitted. For those who opt-out of the study, a brief assignment will be offered for the 0.5% extra credit, which will take the same amount of time as the surveys.

- You must be 18 years old in order to participate in this project. If you are under 18 as of today, please contact a co-researcher above and ask that your data not be used.

- You will not be paid for your participation in this research. The only foreseeable discomfort associated with the study is the invasion of your privacy. There are no direct benefits to you from participation in the study. However, this study may better help us know how to improve student learning, student satisfaction with the course, and faculty satisfaction while teaching large lecture classes.

- Inclusion of your data in our published results is voluntary. There is no cost to you for participating. You may refuse to participate or discontinue your involvement at any time without penalty.

- The research team, authorized UCI personnel, the study sponsor, and regulatory entities, may have access to your study records to protect your safety and welfare. Any information derived from this research project that personally identifies you will not be voluntarily released or disclosed by these entities without your separate consent, except as specifically required by law.

- If you have any comments, concerns, or questions regarding the conduct of this research please contact the researchers listed at the top of this form. If you are unable to reach the researchers listed at the top of the form and have general questions, or you have concerns or complaints about the research, or questions about your rights as a research subject, please contact UCI’s Office of Research Administration by phone, (949) 824-6662, by e-mail at IRB@rgs.uci.edu or at 5171 California Avenue, Suite 150, Irvine, CA 92697-7600.