

Chem 7: Applications of Nanoscience
Summer 2017
July 10-21

Description: Welcome to Chem 7: Applications of Nanoscience! This course is designed for high school students who are interested in learning the essential skills of research scientists. During this intensive two-week program, students will develop skills in scientific literacy and scientific communication, explore important and current applications of nanoscience through hands-on experiments, and propose a novel research project in pursuit of new scientific data. At a university campus, students will be exposed to a multitude of scientific methodologies and techniques as they develop their research proposal.

Email: applicationsofnanoscience@gmail.com

Lecture and Lab: MTWTF 9:00 AM – 5:00 PM in the California NanoSystems Institute Lobby. A course schedule is attached.

Safety Dress Code: All students will follow the laboratory safety dress code. Students must wear long pants and shoes that cover the entire foot. A lab coat, safety glasses, and gloves will be provided.

Pre-Homework: A pre-homework assignment will be given to familiarize students with important scientific terminology. We are aware that our students have varied exposure to biology, chemistry, and physics topics, and we would like our students to be familiar with terms that will be commonly used in our class.

Homework: There will be 4 homework assignments given during the first week. Each homework assignment is due at 9:00 AM the day after they are assigned.

Final Presentation: At the end of our two week course, students will present their research proposal and preliminary data. We invite the student's families to attend, with questions! This presentation session will be held on Friday (7/21/17) from 9:30 AM – 12:00 PM in the CNSI Auditorium.

Grading: Pass/no pass.