San Jose State University
Fall 2013 CHEM 120S
CHEMICAL SAFETY SEMINAR
ONLINE CLASS USING CANVAS LMS

Instructor: Dr. Roger Terrill
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Detail: Section 2 Course Number 26515

CHEM 120S meets SJSU Chemistry Program Learning Objective #6

**Specific course learning objectives:** Credit for this course is earned by reading the prescribed materials and passing quizzes that are administered online, students will demonstrate competence in at least 80% of the following specific learning objectives:

a. become familiar with the *Safety Ethic*
b. learn basic laboratory rules and basic principles of lab safety
c. learn to access and interpret materials safety data sheets (MSDSs)
d. learn the SJSU Chemical Hygiene Plan
e. learn to recognize basic laboratory and chemical hazards
f. learn the vocabulary, signs, labels of chemical and laboratory safety
g. learn emergency and incident reporting procedures
h. learn certain procedures, practices and tools appropriate to working with hazardous chemicals
i. understand common chemical exposure routes, LD$_{50}$ values, distinguish acute and chronic exposures
j. understand threshold limit values (TLVs), permissible (PELs) and short term exposure limits STELs
k. understand the physical nature of specific laboratory hazards
l. know the biological effects of and permissible exposures to certain chemicals
m. learn certain safety precaution techniques

CHEM 120S will comprise a set of 8 weekly reading assignments followed by quizzes on their content due on Wednesday nights at 11:59 PM. The quizzes will be accessible via Canvas LMS for one to two week intervals ONLY. Therefore, it is essential that students keep up with the reading assignments and quiz completion. This pacing is enforced because ‘cramming’ the entire course over a very short period of time will compromise the retention and understanding of the material.
Course Reading:

PRINTED MATERIAL WHICH IS REQUIRED READING:

Chemical Safety by Ethan Huss – Available from SAACS (Duncan Hall Basement, room 20) for $15.00 (please provide exact change).

DOCUMENTS MADE AVAILABLE ONLINE:

Safety in Academic Chemistry Laboratories: Accident Prevention for College and University Students (American Chemical Society Publication)

Occupational Exposure to Hazardous Chemicals in Laboratories (SJSU Facilities Development and Operations Environmental Health and Safety)

Safe Lab: School Chemistry and Safety Guide (Department of Health and Human Services)

GRADING: A CREDIT/NO CREDIT grade will be assigned for Chemistry 120S. To receive credit, students must score at least 80% overall in the course.

Students are responsible for understanding the policies and procedures about add/drops, academic renewal, etc.

Instructions for adding or dropping a class are available at:

http://my.sjsu.edu/students/student_tutorials/index.html.

The deadlines for adding or dropping a class are available at

http://www.sjsu.edu/registrar/calendar/2134/index.html.

Information about late drops is available at:

http://www.sjsu.edu/aars/policies/latedrops/

ACADEMIC INTEGRITY: Your own commitment to learning, as evidenced by your enrollment at San Jose State University, and the University's Academic Integrity Policy requires you to be honest in all your academic course work. The faculty is required to report all infractions to the Office of Judicial Affairs. The policy on academic integrity can be found here.

AMERICANS WITH DISABILITIES ACT: If you need course adaptations or accommodations because of a disability, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities register with the DRC to establish a record of their disability.