YALE SUMMER SESSION 2020

General Chemistry I & II – Chem S134/S136

General Chemistry Laboratory I and II introduces the fundamentals of chemistry through the utilization of basic chemical laboratory methods. Students learn chemical principles and how to apply them in controlled laboratory experiments. Emphasis is placed on developing precise laboratory techniques and methodologies, in addition to quantitative data analysis.

Given the compressed schedule of a summer session, the course requires an extensive commitment of time and effort. Given the cumulative nature of the content, keeping up with the material is a priority as there is very little time to go back and relearn concepts if not fully understand when first taught.

Instructor: Dr. Paul Cooper Office: SCL 209 E-mail: paul.d.cooper@yale.edu

Office Hours: M & W 12:30 – 2:30pm, F 11:00am – 1:00pm. At other times, if I’m in my office and the door is open, I’m happy to talk. If my door is closed, it generally means I’m busy.

Canvas is used for the course website, and you are responsible for reading and knowing the course information described there.

Class Times

Laboratory Hours – T & Th 12:30-4:30 pm.

Required Resources

All laboratory instructions will be available through the course’s Canvas page. A laboratory notebook (duplicate pages) and a long laboratory coat are required and are available from the Yale bookstore, as well as other physical and online retailers. Enclosed shoes and pants that cover your entire leg are required to be worn to laboratory classes.

Grading

You will complete nine laboratory experiments each worth 100 points. A final exam worth an additional 100 points will be given during the last laboratory session for each course.

Letter Grades. Letter grades will only be assigned to the entirety of the semester's work and not to individual assessments. Typically, a final letter grade of B+ corresponds to the class average, but it is possible for everyone to get an A if you all excel!

The final grades are not assigned with a curve, but based on cut-offs determined by the instructor as A = consistently excellent answers; B = primarily correct answers; C = lack of understanding of some key concepts; D = lack of understanding of most key concepts.
**Academic Honesty Policy**

Plagiarism is defined in the *Undergraduate Regulations* page, as are the penalties associated with cheating:

http://catalog.yale.edu/undergraduate-regulations/

Examples of cheating include, but are not limited to:

- Getting the answers from another student for problem sets, or having another student complete your online homework. You may discuss the Practice Problems with one another.
- Looking at unauthorized notes, books, or another student’s paper during an examination.
- The use of a phone or Internet-enabled device during an exam. You **must** find a compliant calculator for use in the exams.
- Alteration of an exam after turning it in.

I encourage you to form study groups and to work together on ungraded questions.

**Disabilities**

If you have a documented disability that requires special accommodations, you must bring a Letter of Accommodation to Dr. Cooper. In the case of exams, advanced notice of at least 1 week is required so that arrangements can be made.