CHEM 141L Laboratory Schedule, Fall Semester 2008

Labs are held in Rooms 312, 313, 316, 307, Chemistry, and run on a Monday-Thursday cycle.

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CHEMISTRY 141L: Welcome to Chem 141L! The goal of this course is to learn proper laboratory safety and techniques and gain an appreciation for the practice of chemistry as an experimental science. In this course, we will focus on the development of skills such as observation, measurement and data analysis, techniques of separation, purification, and identification, and qualitative and quantitative analysis. You will be graded not only on your efforts in lab and on written reports, but on the quality of your experimental results.

INSTRUCTORS:  
Dr. Robert Burnett  
Office: CHEM 404  
Email: reb3k@virginia.edu

Dr. Gus Gerrans  
Office: CHEM 121  
Email: gg6n@virginia.edu

Jennifer Cunningham  
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Email: jlc7d@virginia.edu
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**REQUIRED TEXT:** *Chemical Principles in the Laboratory*, (8th Edition) by Robert F. Bryan. Available at University Bookstore. This text is needed for Check-in. Read pages 1-33 and complete pages 21 - 22 and bring to check-in.

**OTHER MATERIALS:** Lab, coat or apron, carbon paper for duplicate data entry, ball point pen, #3H or harder pencil for graphs, simple calculator with log/ln function keys.

**LAB LECTURE:** Laboratory lecture will be held at 4:00 p.m. in the Chemistry auditorium, Room 402 on Mondays. Attendance at scheduled laboratory lecture is part of the required course work. You should read the lab manual pages for the experiment being discussed prior to lab lecture.

**OFFICE HOURS:** Office hours for Dr. Burnett, Dr. Gerrans, and Jenn Cunningham are by appointment. TA Office hours are held in the south corridor of the Chemistry Building on the 4th floor. The TA schedule will be posted online and on the class bulletin board outside Room 311.

**WEB PAGE:** A class web page can be accessed on the University Toolkit at [https://collab.itc.virginia.edu/portal](https://collab.itc.virginia.edu/portal)

Students are responsible for any materials, changes, and/or announcements posted on the web page. Checking programs may be found online at [http://introchemlab.googlepages.com](http://introchemlab.googlepages.com) or on toolkit.

**CLASS BULLETIN BOARD:** Class announcements will be posted on the bulletin board outside Room 311.

**LABORATORY ATTIRE:** Wear old clothes, long sleeves and trousers, non-permeable shoes. Long hair should be tied back. Safety goggles are **required** and supplied. The main consideration is protection of the skin from chemical attack, hence no shorts/ capri pants, no sandals/flip-flops, no bare midriffs, etc. Failure to be properly attired and/or to wear your safety goggles at all times can result from dismissal from lab.

**LOCKER ASSIGNMENTS:** Lockers are assigned as part of the departmental course registration process on the first day of classes (August 29th, in either the 9:00, the 11:00, or the 12:00 section of Chem 151 lecture). **Locker assignments will be posted on the bulletin board outside Room 311 by Friday, September 5th.** The assignment sheet will show your name, lab, room, locker number, and assistant name. If your name does not appear, see Dr. Burnett promptly.

**ATTENDANCE POLICY:** You are expected to attend all lab, sessions at the scheduled times, and to submit reports and other materials on time. Pre-lab reports are due at the beginning of the laboratory period. You will not be allowed to perform the lab until you have finished and turned in the pre-lab report to your TA. Laboratory reports are due at the **beginning** of the next lab session. Late lab reports will not be accepted.
unless prior arrangements are made with your TA. Failure to submit 3 or more lab reports on time will result in failure in the course. You will earn 10 extra points for completing all of the experiments during your normal lab time (not during make up week). Should you miss an experiment for an EXCUSED reason, you will have the opportunity to make up one experiment during your regular lab day in the make-up week, but missed labs cannot be made up at other times. You will not earn the 10 bonus points if you need to make up a lab during make up week. You may not make up experiments from unexcused absences. The following constitute excused absences: family emergency, death in the family, severe individual illness, and participation on a UVA athletic team that requires you to travel during your lab meeting. Your TA or course instructor should be notified in email or in person of the absence PRIOR to lab unless it is due to a death or emergency in the family, in which case, you will have 48 hours after the missed lab to notify the instructor or TA. Failure to attend three or more sessions, or failure to submit three or more reports on time, results in failure in the course.

CHECK-IN: Check-In is on your scheduled lab day during the week of September 10. Bring your lab, manual and completed pre-lab sheet to check-in. Afternoon labs begin at 2:00 p.m., for Group I and at 3:30pm for group II. Thursday morning lab, at 9.00 a.m for group I and 10:30am for group II. Space is at a premium; if you fail to show up for check-in your space may be reassigned. If you do not complete check-in during the scheduled week, you may not continue in the course.

REPORTS/PRELABS: All assignments for this course must be written in ink. Pencil will result in an automatic 5 point deduction. All PreLabs, Data Sheets, and Lab Reports must be Pledged. A Pledge written on the top page of multiple report sheets covers all pages contained if and only if the pages have been stapled together by the student. PreLabs and Reports are due at the beginning of lab and must be handed in within the first 15 minutes. Students who have not completed their prelab in advance of entering the lab will not be allowed to conduct the experiment.

GRADING: Grades are determined primarily on a points earned out of possible points basis. Other factors that may influence your final grade include: the performance of your section relative to the performance of the other sections, your attendance in lab, and TA input regarding your effort in lab. We reserve the right to change how grades are determined at any point.

HONOR SYSTEM: The Honor System is taken very seriously in this course. You may discuss the lab with anyone before or during the lab, but the PreLab and Lab Report must be completed individually. The instructor and the TAs may help you with questions. The Lab Pledge as posted on the web page is as follows "On my honor as a student, this is my own original work. I did not read or use work written by a current or former student in this course. Help was limited only to having students not enrolled in this course read and identify unclear sections." Do not hesitate to ask the TAs or your instructor for assistance throughout the semester.