

CHEM 181L: Course Information

Instructor

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or by appointment
Review Session: Sun 3-4:30pm (CHM 304)

Monday (Section 03):	Becky Salomon	Jenny Cottine
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Office Hours	Monday 11:00-12:00	Thursday 8:45-10:45
Tuesday (Section 04):	Sarah Payne	Trisha Vickrey
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Office Hours	Monday 9:00-10:00	Wednesday 1:00- 3:00
Wednesday (Section 05):	Michelle English	Jenny Cottine
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Office	CHEM 180	TBA
Office Hours	Tuesday 9:00-10:00	Thursday 8:45-10:45
Thursday (Section 06):	Beth Hueholt	Trisha Vickrey
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Office	CHEM 153	TBA
Office Hours	Tuesday 10:00-11:00	Wednesday 1:00- 3:00

***For course specific questions, please consult the course website and especially the FAQ page (<http://faculty.virginia.edu/chem181l/FAQ.htm>) before emailing the instructors.**

Time and Location

Lab Lecture:	Friday	All Sections	2:00-2:50pm	CHM 304
Laboratory:	Monday	Section 03	2:00-5:30pm	CHM 319 / WIL 308
	Tuesday	Section 04	2:00-5:30pm	CHM 319 / WIL 308
	Wednesday	Section 05	2:00-5:30pm	CHM 319 / WIL 308
	Thursday	Section 06	2:00-5:30pm	CHM 319 / WIL 308

Course Information

All course information can be found on the CHEM 181L website.

Address: <http://faculty.virginia.edu/chem181l>

Due to copyright issues, a username and password are required to access certain parts of the website.

User name: chem181

Password: uvachem

Be sure to read the course policies carefully (<http://faculty.virginia.edu/chem181l/Policies.htm>), as well as the syllabus (<http://faculty.virginia.edu/chem181l/Syllabus.htm>).

Required Materials

- Course Packet (~\$10.00) — Available at Brillig Books, 7 Elliwood Ave, 296-9669. The course packet contains all the important handouts for the laboratory.
- 1 1.5" 3-Ring Binder (~\$4.00) — Available at the bookstore
- 5 Section Dividers with Tabs (~\$1.50) — Available at the bookstore. The binder and dividers will be used as a replacement for the typical lab notebook. All assignments should be kept and organized in the binder. The divider headings should be: *Lecture Notes, Writing Assignments, Lab Notes, Research Reports & Critiques, Digital Media Project.*
- 1 Blank CD/DVD — Available at the bookstore or other electronic store. You will need a blank CD or DVD for the Digital Media Project.
- 1 Blue Book (~\$0.30) — Available at the bookstore. The Blue Book will be used for the final exam.

Important Dates

Dropping a Course: The last date to drop a course is Tuesday, September 11.

Adding a Course: The last date to add a course (or change grading option) is Thursday, September 13.

Withdrawing from a Course: The last day to withdraw from a course is Tuesday, October 23.

Reading Days: Saturday, October 6 — Tuesday, October 9.

Thanksgiving Recess: Wednesday, November 21 — Sunday, November 25.

Course Objectives

Chemistry Principles Laboratory (CHEM 181L) was designed with a number of learning objectives in mind. Some focus on tangible knowledge and skills while others are more abstract and long-term. All learning activities in the course rely and/or build upon one or more of these objectives. The overriding goal for the course is that you better *understand* how to think like a scientist. As a result, you will:

- understand the basis for why chemicals behave the way they do (electronic structure, shape, composition, etc.)
- be familiar with common experimental laboratory techniques
- be able to write aspects of a research-quality paper
- be able to explore the current scientific literature without intimidation
- see the role of chemistry in other scientific disciplines (e.g. biology, physics, engineering, psychology, medicine, environmental science, etc.)
- recognize that chemistry shapes many aspects of our lives (good and bad)
- see the importance of solving a difficult problem in a systematic and precise manner
- better understand your strengths and weaknesses in scientific inquiry
- understand the value of other people's skills and learn to make best use of them

Assessment

Several components are factored into the final course grade. The total number of points available is 500. A detailed breakdown of these points is shown in the table below. Details of each assignment can be found on the course website.

Assignment Descriptions	Number of Assignments	Points per Assignment	Total Points	Percentage of Final Grade
Individual/Course Assessments	3	5	15	3%
Writing Assignments	2	15	30	6%
Lab Notes	5	25	125	25%

Research Reports	4	25	100	20%
Feedback Responses	4	5	20	4%
Peer Critiques	2	15	30	6%
Notebook Check	3	5	15	3%
Digital Media Project	1	65	65	13%
Lab Final	1	100	100	20%
Total	27	—	500	100%

Final grades will be based on the following *fixed* scale:

100-97: A+	89-87: B+	79-77: C+	69-67: D+	59-0: F
96-93: A	86-83: B	76-73: C	66-63: D	
92-90: A-	82-80: B-	72-70: C-	62-60: D-	

Assignments

All assignments are due *at the start of class/lab one week after the day they are assigned* unless otherwise noted. See the Syllabus on the course website for detailed information. Late assignments will only be accepted if you know you'll be absent for a legitimate reason and let the instructor know ahead of time.

Attendance

Attendance at both the lecture portion and laboratory component of CHEM 181L is required. This stipulation is based on the following:

- The lecture component of the lab expands on some of the broader, "big picture" ideas of science which are not covered explicitly in lab.
- The lecture component of the course will introduce/explain concepts necessary for a successful lab experience.
- A laboratory course by nature is a "hands-on" endeavor.
- Much of CHEM 181L is designed to be collaborative, and therefore, others are depending on your contributions.
- Your instructors like/want you to be there, and are willing to help and answer your questions.

Note: Missed labs may only be made up if you know you'll be absent for a legitimate reason and let the instructor know ahead of time. Every attempt should be made to complete the work during another section performing the lab; i.e. during the same week.

Honor

I trust every student in this course to fully comply with all of the provisions of the U.Va. honor system.

Students will typically work with a partner (or in small groups) on laboratory exercises and other related work. While the experience should be collaborative in nature, the final version of all written documents must be entirely the work (and writing) of each individual student. *All submitted work should state who collaborated on the assignment and in what ways.*

The final examination should be pledged, stating that the student neither received nor gave aid during the exam.

If it is shown beyond a reasonable doubt that a student has committed an honor violation with regard to any assignment or test, that student will receive an immediate grade of '0' (zero) for that work, irrespective of any subsequent action taken by the Honor Committee.