



CHM2047L: One Semester Chemistry Laboratory

Fall 2020 (August 31 – December 19)

[Course Website](#)

Course Materials and “Manual:” All course materials will be available through our secure course website, listed above, which is a Canvas LMS site hosted by Instructure. There is no printed textbook or lab manual.

Office Hours: Zoom – times will be posted to Canvas

Office hours can also be held by appointment if you have a conflict with the ones listed.

Contact:

Email should be sent through the Canvas messaging tool, and should include your section number and group designation. Occasionally, we will use the announcement tool on Canvas to disseminate information to the entire class. Please ensure that your Canvas account is configured to send notifications to your preferred communication/ email method.

Lab Sessions: Room Leigh 108

Class #	Section	Day	Period (Time)
11156	47L1	Friday	8-10 (3:00 pm – 6:00 pm)
11157	47L2	Friday	2-4 (8:30 am – 11:30 am)
11158	47L3	Monday	8-10 (3:00 pm – 6:00 pm)
11159	47L4	Monday	2-4 (8:30 am – 11:30 am)

- It is your responsibility to come prepared each week. The specific requirements will be unique for each experiment, which means you will need to read the material provided online in order to know what is expected of you.
- There will be pre-lab quizzes for some of the experiments throughout the semester.
- Your TAs will check your material and knowledge of the experiment at the beginning of each lab session to ensure you are adequately prepared (including proper clothing). If they are not satisfied, they may turn you away.
- Contact your instructors and group members well in advance of any anticipated absence so alternative scheduling can be made. For some weeks your lab group may be assigned a specific time of arrival.
- Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Course Objectives

- Learn the basics of laboratory operations including:
 - Laboratory Safety
 - Experimental Techniques
 - Keeping a professional scientific notebook
- Perform data analysis
- Report findings professionally
- Use scientific literature databases

Lab Safety

All safety procedures must be strictly obeyed. Safety glasses must be worn at all times in the laboratory. Wear long-sleeved and -legged clothes to protect your skin against spills, or bring a lab "kittel." Closed-toed shoes are mandatory. Remove all pendant jewelry when working in the lab. If you have long hair, you may not let it hang loose but should tuck it away safely so that it doesn't present a potential hazard for you. Refer to the [ACS safety manual](#) which regulates all safety procedures in the lab.

. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies](#).

Ethics

Students are expected to conduct themselves professionally in this course. This includes following the UF Honor Code (see below) and a complete understanding of academic integrity. Plagiarism and data fabrication will not be tolerated.

Groups

Each lab section will be divided into groups of 2 or 3 students. You will work together as a team in the lab. For some labs several groups will work together. Lab reports will be submitted individually.

Lab Notebook and Data Plotting.

Every good Chemist has a lab notebook by their side. It is a journal, evidence of discovery, a historical record, and a valuable tool. You will keep a proper lab notebook in this course. Your notebook will be checked and graded at the beginning and end of each lab period.

- Prior to the experiment:
 - Every *individual's* notebook needs to be prepared with all tables and notes necessary for the specific experiment prior to coming to lab. This will be uploaded to Canvas prior to the lab session and will determine your Notebook Grade (see grade computation below).

- Every **group** should come with a laptop that has sufficient software to plot data as you collect it. The specific software should be prepared before coming to lab.
- During the lab session:
 - Your group should assess your data as it is collected, either visually with a plot, or by forming a table, or both.
 - It is your responsibility to repeat data measurements in cases where things have gone awry.

Course Grade Computation

Your letter grade will be derived from a simple calculation using the weighted average of your performance in:

	Percentage Points
Quizzes	20%
Notebook	40%
Written Reports	40%
Total	100%

Your course grade will be determined from your total course performance percentage as follows:

A	100%	94.0%
A-	93.9%	90.0%
B+	89.9%	87.0%
B	86.9%	84.0%
B-	83.9%	80.0%
C+	79.9%	77.0%
C	76.9%	74.0%
C-	73.9%	70.0%
D+	69.9%	67.0%
D	66.9%	64.0%
D-	63.9%	60.0%
E	59.9%	0.0%

All grades will be posted in the Canvas GradeBook, as available.

UF's Grading Policy: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

Experiment Schedule – See the Canvas page for details regarding the experiment schedule

Absences and Tardiness

Excused absences are allowed in accordance with UF policy. Consult with your instructor and group members in advance. Do not arrive late to your lab. Tardiness will lead to loss of points on the 'subjective grade.' Unexcused arrival more than 30 minutes late for a lab may result in the student not being admitted to the lab. This leads to an automatic loss of all notebook points and the student may not use this lab for an oral lab report.

Late Submission Policy

Late assignments will receive a late penalty of 10% per day past the scheduled due date. If something arises that prevents you from completing the assignment on time, contact the instructor as soon as possible to request an extension.

Resubmission Policy

If you are unhappy with the grade of a written report, you may resubmit it with corrections. Each assignment can be resubmitted once. The resubmission must be turned in no more than one week after the original grade is posted to Canvas. The maximum score you will be able to receive is 80% (B-). Resubmissions are only an option if there is sufficient time left in the semester.

Getting Help

For quickest response, you might find posting questions to the Canvas Discussion Board might be a good choice. Messaging the Instructor, TA, or even a classmate also works.

For Username/Password issues, such as difficulties logging into any Gatorlink-authenticated site at UF, (including our course website), please contact the UF Help Desk at: helpdesk@ufl.edu, (352) 392-HELP - select option 2.

University Policy on Accommodating Students with Disabilities

Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

University Policy on Academic Misconduct

This class will operate under the policies of the student honor code which can be found at:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>. The students, instructor, and TAs are honor-bound to comply with the Honors Pledge: **We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.** You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."* It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks. Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>.

Disclaimer for this document

Note: All aspects of course operations, including grading, course policy and policy execution, are subject to change at the discretion of the course instructor.

If you have further questions, please contact me. Have a great semester!

Sincerely,

Adam Mansell