

# CHM2045L GEN CHEM I LAB UF ONLINE

SPRING 2021

## INSTRUCTOR INFORMATION

Instructor	Email	Phone
Mrs. Veige	Email in Canvas <u>only</u> 352-392-0518 CCB 103	Email only; calls or messages may not be returned as classes are online

## GRADUATE TEACHING ASSISTANT

Stephen Sangster; email via Canvas messaging.

## UNDERGRADUATE TEACHING ASSISTANTS

Sereniti Forkey & Julia Gilby

We are fortunate to have undergraduate TAs working with us this semester. Each week's lab has a series of corresponding Discussion board in Canvas upon which students are required to participate, and can ask questions pertaining to that week's lab activity. Undergraduate TAs monitor the discussion boards and can provide guidance. Note the undergrad TAs will not provide solutions for questions, but will rather give guidance and hints as to how to proceed, and can answer some general questions. Undergraduate TAs do not grade any course assignments

## AUDIO/VIDEO PRESENCE POLICY

As in all courses, unauthorized recording and unauthorized sharing of recorded materials are prohibited.

Full audio/video presence is required for proctored tests administered by Honorlock.

## GENERAL INFORMATION

### COREQUISITES

CHM2045L is to be taken with CHM2045. Detailed prerequisite information and credit suitability can be found in the Undergraduate Catalog.

### COURSE DELIVERY AND MEETING TIMES

This course is delivered online/asynchronously. There is no set meeting time. Course content is delivered through the Canvas course shell. Since all of you have different class schedules and may not have overlapping availability for office hours, the TA will hold office hours primarily via email and will meet via Zoom if needed.

*All due date times are in EST.*

## DESCRIPTION/GOALS

As both a general education requirement and major's course, CHM2045L is designed to introduce you to common laboratory techniques and equipment used in the general chemistry laboratory, to help you gain understanding and proficiency in their use, and help you explore the process of doing experimental chemistry, and to illustrate representative examples of the useful and important concepts you are learning in the CHM2045 lecture. The course serves to teach the scientific method, skills for problem solving, general chemistry knowledge, and a connection to the principles that govern the natural world.

## LABS

Labs are asynchronous and are scheduled one per week of the semester, for 10 labs total. Introductory assignments in the course are due Jan. 22<sup>nd</sup> at 11:59 pm. Among those assignments is a Safety Contract which will unlock the first week's lab material for you. Each week a new lab will be unlocked.

Each week you will be required to participate on course Discussion boards; one addressing lab concept questions, due by Tuesday mornings at 8 am, one addressing any questions you have pertaining to the lab material, due each Wednesday morning at 8 am, and one addressing any outstanding concerns relating to the lab, due each Thursday at 8 am. Discussions overall contribute 5% to your overall course grade.

Each lab also has a pre-lab quiz and pre-lab assignment, both due Wednesday evenings at 11:59 pm, and post-lab assignments, due Fridays at 11:59 pm.

All assignments can be turned in late for reduced credit, -25% per day submitted late.

## COURSE MATERIALS AND SAFETY

### REQUIRED MATERIALS

You require a computer with internet connection, webcam, microphone, Excel, and a portable mirror or reflective surface for Honorlock proctoring. See the minimum technical requirements at [honorlock.com/support](https://honorlock.com/support). Ensure your computer system meets their minimum system requirements.

You also require a suitable laboratory notebook such as a standard composition notebook.

### COURSE TECHNOLOGY

All UF students are expected to have reliable access to a computer, especially for an online course. Honorlock has specific hardware/software requirements: [honorlock.com/support](https://honorlock.com/support).

### SAFETY

You are responsible for reviewing the safety information provided in Canvas. All of the activities worth credit for the course will be locked in Canvas until you satisfactorily complete the Safety Contract.

In addition, there is a series of safety-focused assignments within most of the lab activities. Together, the safety assignments are worth a dedicated portion of your course grade.

## LAB SCHEDULE (SUBJECT TO CHANGE)

DATES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Jan. 11-14	NO LAB ACTIVITY			
Jan. 18-21	MLK DAY HOLIDAY			
Jan. 25-28		Density Lab		
Feb. 1-4		Hydrates Lab		
Feb. 8-11		Stoichiometry Lab		
Feb. 15-18		Gases Lab		
Feb. 22-25		Calorimetry Lab		
Mar. 1-4	BREAK WEEK			
Mar. 8-11		Dilution & Beer's Law Lab		
Mar. 15-18		Kinetics Lab		
Mar. 22-25		Electrolytes Lab		
Mar. 29-Apr. 1		Lewis Structures Lab		
Apr. 5-8		Colligative Properties		
Apr. 12-14	NO LAB ACTIVITY			
Apr. 19-22		NO LAB ACTIVITY		READING DAY

Lab Final Exam: Apr. 28<sup>th</sup>, 10 am – 12 pm

## ATTENDANCE INFORMATION

### ABSENCES

Requirements for class attendance in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>. Students who must miss lab due to extreme circumstances beyond their control may submit a request for a deadline extension within 3 days of the missed deadline.

Please understand that personal issues with scheduling conflicts, such as volunteering, work, non-emergency dentist or doctor appointments, extracurricular activities, or travel, do not justify a deadline extension.

To have a request considered for approval, you must (1) provide a completed request form (found on Canvas) via Canvas email to Mrs. Veige; and (2) request an excuse note from the Dean of Students Office if missing lab due to illness or emergency. Please note that a doctor's note or supporting documentation is required for (2). If you prefer, you can submit the doctor's note directly to the lab coordinator via email, Mrs. Veige, through Canvas email.

## GRADING

### DEADLINES AND LATE POLICY

For best performance on Quizzes, use only Firefox or Chrome for quizzes. Chrome must be used for the Exam. Make sure you start well in advance of the due date/time, in case your computer's clock differs from official Canvas time. There are no extensions due to travel or computer issues. All due date/times are in EST.

For all assignment submissions, the late penalty is applied even if the submission is received by Canvas one second past the deadline, so be mindful of time. The late penalty is quite strict; 1 s after the deadline is penalized as a full day late. Emailed assignments are not considered for grading. We highly recommend you submit assignments early and verify they've been submitted through Canvas. We recommend using computers to turn in work rather than apps on a student's phone. Verify all submissions. All due dates/times are in EST.

## EXAM

A final lab exam will be administered during the registrar scheduled final exam time for this course, 10 am - 12 pm Apr. 28<sup>th</sup>.

Exam absences will be handled in accordance with official UF academic regulations. For more information, see <https://catalog.ufl.edu/UGRD/academic-regulations/> . See below for further clarification for two different types of situations.

(1) Conflicts with other events: this should be rare, as the final exam is during the registrar scheduled lab period. Such reasons may include religious holidays, military obligations, special curricular requirements (e.g., attending professional conferences), or participation in official UF-sanctioned activities such as athletic competitions, etc. For more information on such absences see the official UF Policy at <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/#absencestext> ). If you must be absent for an exam due to a documented and approved conflict known in advance, you must e-mail your instructor (within Canvas) the documentation at least one week prior to the scheduled exam and an early conflict exam will be scheduled for you.

(2) Missing an exam due to an emergency or sudden illness: If you are absent for an exam due to an unpredicted documented medical reason or family emergency, you must contact the instructor as soon as possible, and you may be asked to have your excuse verified by the Dean of Students Office (DSO). Your instructor will follow UF academic regulations in evaluating the notification and/or documentation received from you or from the DSO on your behalf. Once your instructor is satisfied with the validity of your exam absence a make-up exam will be scheduled after a reasonable amount of time, i.e., before the end of the semester. If your documentation is deemed insufficient to excuse your absence you will receive a zero on the missed exam.

## HONORLOCK

Honorlock will proctor your exams this semester. You do not need to create an Honorlock account, download software, or schedule an appointment for your exam. Honorlock is available 24/7 and requires a computer, webcam, microphone, and a stable internet connection.

To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at [www.honorlock.com/extension/install](http://www.honorlock.com/extension/install).

When you are ready to test, log into Canvas, go to your course, and select your exam. Click “Launch Proctoring” to begin the Honorlock authentication process, during which you will take a picture of yourself, show your ID, and complete a scan of your room. You will need a small handheld mirror/reflective surface to show the camera underneath your table/desk, etc. Honorlock will record your exam session and record your screen.

If you encounter technical difficulties with Honorlock, contact Honorlock directly. You may live chat, phone (855-828-4004) and/or email [support@honorlock.com](mailto:support@honorlock.com). You should spend some time reading about their service and testing your system on their website. For other technical issues contact the Help Desk.

Extensive Honorlock documentation, including a student privacy guide, is available at <https://dce.ufl.edu/services/online-proctoring/>.

## GRADE BREAKDOWN

Each laboratory exercise is comprised of a Pre-Lab quiz, a notebook grade, a Post-Lab exercise, and various other assignments specific to that lab. Each lab exercise as a whole is weighted equally to your final grade. Within each lab exercise, assignments are weighted according to the published point value. If there is any confusion about this, please see me. Detailed information regarding each of these grading items is provided in Canvas.

Assignment weights are as follows:

Assignment Group	Weight %
Safety Assignments/Surveys/Syllabus Quiz	5%
Discussions	5%
Lab Assignments (10 @ 7.5% each)	75%
Lab Exam	15%

Grade scale (note: there is no rounding to your score in Canvas):

Letter	A	A-	B+	B	B-	C+	C	D+	D	D-	E
Cutoff	93.0	90.0	86.0	83.0	80.0	76.0	70.0	66.0	63.0	60.0	< 60.0

#### RE-GRADES

All lab assignment grades are graded by your TA so you should communicate any disputes directly to your TA via Canvas email. Your TA will address your concerns. Note that your assignments must be scanned and submitted to Canvas as a .pdf to the correct assignment in order for points to be considered towards your overall course grade.

Regrades of assignments submitted through Canvas, typically via file upload, must be requested within 7 days of a grade being assigned, and should be directed to your TA. If there was a technical issue with submission of the file, the file can be resubmitted to the comments section for a regrade but the assignment will suffer a 50% penalty. Technical issues are completely avoidable, as students can submit an assignment, verify it has been submitted correctly, and verify the contents of the file submission prior to the deadline. Do not use the mobile app to submit assignments.

#### UNIVERSITY POLICIES

##### 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 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

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following 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 (e.g. assignments, papers, quizzes, exams). 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://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>.”

## U MATTER, WE CARE

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the U Matter, We Care team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing Staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

## EVALUATIONS

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

## NETIQUETTE

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats. Review the detailed information regarding Netiquette in Canvas. Make sure you complete the Netiquette Quiz, which counts towards your survey/syllabus/safety grade.

## GENERAL EDUCATION

This course satisfies the General Education requirement in the Physical Sciences.

A minimum grade of C is required for general education credit.

## PHYSICAL SCIENCE GENERAL EDUCATION PROGRAM OBJECTIVES

Physical science courses provide instruction in the basic concepts, theories and terms of the scientific method in the context of the physical sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern physical systems. Students will formulate empirically-testable hypotheses derived from the study of physical processes, apply logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to evaluate outcomes of experiments.

These objectives are accomplished through participation in the lab sections, and individual work done on homework assignments and assessments.

## GENERAL EDUCATION STUDENT LEARNING OUTCOMES

Area	Institutional Definition	Institutional SLO
<b>CONTENT</b>	Content is knowledge of the concepts, principles, terminology and methodologies used within the discipline.	Students demonstrate competence in the terminology, concepts, methodologies and theories used within the discipline.
<b>COMMUNICATION</b>	Communication is the development and expression of ideas in written and oral forms.	Students communicate knowledge, ideas, and reasoning clearly and effectively in written or oral forms appropriate to the discipline.
<b>CRITICAL THINKING</b>	Critical thinking is characterized by the comprehensive analysis of issues, ideas, and evidence before accepting or formulating an opinion or conclusion.	Students analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems.

Naturally, all three areas of learning outcomes will be assessed in all categories of graded assignment administered in CHM2045L.

## SPECIFIC GOALS OF CHM2045L

You will be required to analyze scientific concepts and think critically. This means being able to answer both quantitative (mathematical) and conceptual (qualitative) problems in a limited period of time. Additionally, you will have to write and/or orally communicate during your scheduled lab periods. You will be required to utilize the methods of science as a logical means of problem solving through critical thinking. This means you must analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems. To ensure your competency in these concepts you will be required to complete quizzes and assignments that require critical thinking, analysis of problems, and drawing conclusions. Of particular importance in the lab course will be your ability to collect data, organize the data logically, generate a meaningful graphical representation of the collected data, and draw conclusions from the total exercise. There is also a focus on an introduction to chemical safety.

## DISCLAIMER

This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.