

# CHM2095L: CHEM II LAB FOR ENG, FALL 2022

## INSTRUCTOR INFORMATION

### COURSE COORDINATOR

The course coordinator for this course is Dr. Korolev. The best method to contact Dr. Korolev is via Canvas email. Virtual office hours are also available by appointment.

### LAB MANAGERS

The lab manager is Candace Biggerstaff. She can be contacted via Canvas email.

### TEACHING ASSISTANT

Your teaching assistant will be assigned during the first week of the semester. You will meet your teaching assistant during the first lab meeting and they will provide you with their contact information.

## GENERAL INFORMATION

### COURSE DELIVERY

This course will be delivered 100% face-to-face. All lab meetings will occur during your scheduled lab time. The schedule is subject to change and changes will be communicated via Canvas announcements.

### MEETING TIMES

CHM2096L meets once per week in CCB 110 during your scheduled lab period. The meeting time can be found on your schedule on ONE.UF. You will enter the lab from the atrium in CCB once the lab managers let you in.

### DESCRIPTION/GOALS

CHM2095L is designed to introduce you to common laboratory techniques and equipment used in the general chemistry and engineering laboratories, 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 CHM2095 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.

### FIRST DAY OF LAB

Your first in-person lab meeting will be the week of September 6<sup>th</sup> (Monday students will begin September 12) but you have assignments due the week prior. The first deadline for online assignments is September 2<sup>nd</sup> at 11:59pm - check Canvas for details. During your first lab meeting, you will meet your TA and fellow classmates, and complete the first lab activity. You will not be allowed to enter lab without proper safety attire, including approved eye protection. Prior to attending each lab period, you must familiarize yourself with the lab background and procedure, and complete the pre-lab quiz and submit your pre-lab notebook online. Pre-lab assignments will be due at 8:00am on your scheduled lab day. During the lab meeting, you will work on performing the lab and completing all post-lab assignments. Your lab workstation is equipped with a computer on which you can access all of the lab materials. Your attendance will be recorded during the lab period. After the lab period, you will submit your post-lab assignments online to be graded. Post-lab assignments will be due at 11:59pm on the day of your scheduled lab.

## COURSE REQUIREMENTS

### REQUISITES

Requisite information and credit suitability can be found in the Undergraduate Catalog.

### REQUIRED MATERIALS & FEES

You will require: a computer with an internet connection and Excel, a suitable laboratory notebook such as a standard composition notebook, and department approved safety glasses or goggles. See the safety glasses requirements at <https://otl.chem.ufl.edu/safety-glasses/>. Course fee \$35.31

### GOGGLES AND ATTIRE

You must be wearing department approved safety glasses or goggles and be properly attired to be admitted to the laboratory at all times, including on the first day of lab. Anyone without safety glasses, or who is inappropriately attired, will not be allowed into the lab. Additionally, no gum chewing or headphones will be allowed. If you are asked to leave the lab due to improper attire, you will not be permitted a makeup. You can leave and return as long as it is within 15 minutes of the start of the period. A portion of your grade will depend on your adherence to safety rules.

### LAB 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.

## LAB SCHEDULE (SUBJECT TO CHANGE)

Students will begin meeting for lab the week of September 6, but there are online assignments due the week prior. This lab schedule is subject to change - students should keep their schedule free so that they are available during their scheduled lab meeting time every week. Flex days may be used if regularly scheduled lab days need to be rescheduled. Changes will be communicated via Canvas announcements; it is students' responsibility to read the Canvas announcements and follow the provided information.

DATES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Aug 22 - Aug 26	NO LABS			
Aug 29 - Sep 2	NO LABS - First Online Assignments Due September 2 <sup>nd</sup>			
Sep 5 - Sep 9	NO LABS	DC0: Restore and Improve Urban Infrastructure: Intro		
Sep 12 - Sep 16	DC0: Intro	DC1: Provide Access to Clean Water: Design Phase		
Sep 19 - Sep 23	DC1: Design	DC1: Provide Access to Clean Water: Conduct Phase		
Sep 26 - Sep 30	DC1: Conduct	DC1: Provide Access to Clean Water: Analyze Phase		
Oct 3 - Oct 7	DC1: Analyze	DC2: Make Solar Energy Economical: Design Phase		
Oct 10 - Oct 14	DC2: Design	DC2: Make Solar Energy Economical: Conduct Phase		
Oct 17 - Oct 21	DC2: Conduct	DC2: Make Solar Energy Economical: Analyze Phase		
Oct 24 - Oct 28	DC2: Analyze	DC3: Develop Carbon Sequestration Methods: Design Phase		
Oct 31 - Nov 4	DC3: Design	DC3: Develop Carbon Sequestration Methods: Conduct Phase		
Nov 7 - Nov 11	DC3: Conduct	DC3: Develop Carbon Sequestration Methods: Analyze Phase		
Nov 14 - Nov 18	DC3: Analyze	Flex Days		
Nov 21 - Nov 25	Flex Day	NO LABS		
Nov 28 - Dec 2	Lab Exam - TBA			
Dec 6 - Dec 10	NO LABS			

## ATTENDANCE INFORMATION

### LAB PERIOD

You are required to attend lab in-person during your scheduled lab period. If you are well-prepared, you should not experience difficulties completing the experiments within the allotted timeframe and submitting post-lab assignments that day. Your attendance will be recorded during lab. If you are more than 15 minutes late, you will not be allowed to enter lab and you forfeit your attendance points for the day. Any student who has an unexcused absence will not be allowed to submit any post-lab assignments.

### ABSENCES

Excused absences are for extenuating circumstances only: documented illness, family emergencies, or university approved absences. Travel, non-emergency doctor or dentist appointments, or extracurricular activities do not justify an excused absence. Missing lab due to improper lab attire does not qualify for an excused absence. Emailed requests to “preview” excused absences will be ignored; it should be clear what constitutes an excused absence.

Students who miss lab due to extreme circumstances beyond their control may submit a request for a deadline extension within 7 days of the missed deadline. To have a request considered for approval, you must (1) complete an Absence Request Form on Canvas; and (2) provide documentation by either attaching a doctor’s note (if due to illness) or request an excuse note from the Dean of Students Office if due to a family emergency. Requirements for class attendance and make-ups in this course are consistent with university policies that can be found in the [Undergraduate Catalog](#). Any student who misses more than 2 lab sessions (excluding religious observances, disability related absences, or military leave), whether excused or unexcused, will receive a grade of E in the course.

## GRADING

### DEADLINES AND LATE POLICY

The first assignments for the course are due online on September 2<sup>nd</sup> at 11:59pm. The remaining lab activities will be locked on Canvas until the safety contract is completed. If you miss any assignments due to not completing the contract, you will forfeit the grades.

Each week you will have pre-lab assignments and post-lab assignments. The pre-lab assignments will be due at 8:00am the day of your scheduled lab period. All other lab-related assignments are due by 11:59 pm the day of your scheduled lab period.

Pre-lab assignments cannot be completed late for any credit. For best performance, use only Firefox or Chrome for quizzes. Make sure you start well in advance of the deadline in case your computer’s clock differs from official Canvas time. All due dates/times are in EST.

Post-lab assignments that are submitted late will be deducted 25% credit per day that they are late. The penalty is applied even if the submission is received by Canvas one second past the 11:59pm deadline, so be mindful of time. Emailed assignments are not considered for grading.

We highly recommend you submit assignments early and verify they’ve been submitted through Canvas. We do not recommend using the Canvas App to submit assignments - please use a web browser to avoid issues.

For extensions due to illness/emergency, a Dean of Students note must be provided for at least the 2 days prior to the assignment’s deadline for accommodations to be considered. Extensions will not be given because of technical or personal issues that occur within 24 hours of the assignment deadline.

## GRADE BREAKDOWN

Each laboratory exercise is comprised of a Pre-Lab quiz, a Pre-Lab Notebook grade, a Post-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 the instructor. Detailed information regarding each of these grading items is provided in Canvas. Assignment weights are as follows:

Assignment Group	Weight %
Safety/Syllabus/Surveys	5%
10 Labs @ 8% each	80%
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 lab notebook grade disputes to your TA. Your TA will address your concerns at that time and make any necessary corrections. If your TA finds it necessary to re-grade your lab notebook, he/she will correct the grade on your notebook and on his/her grade sheet immediately. The notebook must be scanned and submitted to Canvas to the relevant assignment in order for points to be considered toward your 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 the file that was submitted on Canvas, the file can be resubmitted via the comments section to be regraded, but the assignment will suffer a 50% penalty. Technical issues are the student's responsibility so it is recommended that you check your submission when you upload it on Canvas.

## LAB EXAM

Part of your course grade will be based on your performance on the Lab Exam. This is a timed and proctored assignment that will assess skills that you have used throughout the semester. The lab quiz will be scheduled toward the end of the semester and the exact date/time will be announced via Canvas. The backup date for the lab exam is during finals week, Wednesday, December 14<sup>th</sup> 12:30pm-2:30pm.

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/#absencetext> ). 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.

## EDUCATIONAL RESEARCH STUDY

This semester, CHM2095L is part of a chemical education research study within the Department of Chemistry and the College of Education at UF, investigating persistence in STEM fields among students enrolled in our undergraduate lab courses. The study includes three main surveys, the first of which includes an Informed Consent question. The study also includes weekly post-lab exit surveys.

To participate in the study, students will agree to the Informed Consent Form as part of the first research survey by the survey due date. If you do not wish to participate in the study and have your survey data removed from the collected data, you still must complete the surveys. We do ask you to participate in the study since the data collected may prove valuable. Please note that you will have to complete all surveys prior to their due dates to earn a portion of your course grade; these surveys are included in the Survey category in your gradebook. Participation in the study does not influence your course grade in any way.

## UNIVERSITY POLICIES

### ACCOMMODATING STUDENTS WITH DISABILITIES

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with the instructor and discuss their access needs, as early as possible in the semester.

### 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. Please be mindful of your comments and responses, and make sure that they are respectful and inclusive to all participants.

## CONFLICTS

If you experience issues with the course that you cannot resolve with your TA, please contact Dr. Korolev by email or in-person. Don't wait until the end of term to resolve an ongoing issue.

## DISCLAIMER

This syllabus represents my current plans and objectives. If those need to change as the semester progresses, which is not unlikely, then the changes will be communicated to the class clearly.