

CHM2096L: CHEM II LAB FOR ENG, SPRING 2023

INSTRUCTOR INFORMATION

COURSE COORDINATOR

The course coordinator for this course is Dr. Korolev. The best method to contact Dr. Korolev is via Canvas email. Office hours are Mondays, Wednesdays, and Fridays from 2:00pm to 3:30pm held in-person in FLI 258.

LAB MANAGERS

The lab managers are Candace Biggerstaff and Jacob McCartney. They 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 SFH 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 SFH once the lab managers let you in.

DESCRIPTION/GOALS

CHM2096L 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 CHM2096 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 January 23rd, but you have assignments due the week prior. The first deadline for online assignments is January 20th 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 including the procedures and supplementary information. 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: \$37.20

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 January 23rd, 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	TUESDAY	THURSDAY
Jan. 9 - Jan. 13	No Labs	
Jan. 16 - Jan. 20	No Labs - First Online Assignments due January 20 th	
Jan. 23 - Jan. 27	DC0: Manage the Nitrogen Cycle: Intro Lab	
Jan. 30 - Feb. 3	DC1: Engineer Better Medicines: Design Phase	
Feb. 6 - Feb. 10	DC1: Engineer Better Medicines: Conduct Phase	
Feb. 13 - Feb. 17	DC1: Engineer Better Medicines: Analyze Phase	
Feb. 20 - Feb. 24	DC2: Engineer the Tools of Scientific Discovery: Design Phase	
Feb. 27 - Mar. 3	DC2: Engineer the Tools of Scientific Discovery: Conduct Phase	
Mar. 7 - Mar. 10	DC2: Engineer the Tools of Scientific Discovery: Analyze Phase	
Mar. 13 - Mar. 17	No Labs - Spring Break	
Mar. 20 - Mar. 24	DC3: Restore and Improve Urban Infrastructure: Design Phase	
Mar. 27 - Mar. 31	Lab Practical	
Apr. 3 - Apr. 7	DC3: Restore and Improve Urban Infrastructure: Conduct Phase	
Apr. 10 - Apr. 14	DC3: Restore and Improve Urban Infrastructure: Analyze Phase	
Apr. 17 - Apr. 21	Flex Days	
Apr. 24 - Apr. 28	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 January 20th 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. All deadlines are in EST.

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. 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 - use a web browser to avoid issues. If you encounter technical issues, you can contact the Help Desk at 352-392-4357.

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 @ 7.5% each	75%
Lab Practical	20%

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 PRACTICAL

Part of your course grade will be based on your performance on the Lab Practical. This is a timed and proctored in-lab assignment that is scheduled during one of your regular lab periods following the lab schedule. You will complete the lab practical individually and it will assess skills that you have used throughout the semester. More details regarding the lab practical will be posted on Canvas in advance of the lab practical date.

Absences will be handled in accordance with official UF academic regulations. For more information, see <https://catalog.ufl.edu/UGRD/academic-regulations/>. 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 absence a make-up lab practical 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 lab practical.

EDUCATIONAL RESEARCH STUDY

This semester, CHM2096L 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 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.