

CHM2095L: CHEM LAB 1 ENG, FALL 2020

INSTRUCTOR INFORMATION

COURSE COORDINATOR

The coordinator for this course is Dr. Korolev. Dr. Korolev can be contacted via Canvas email.

LAB MANAGERS

The lab managers are Candace Biggerstaff and Jessica Webb. 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 online via Zoom. Your teaching assistant will send an announcement with their contact information and Zoom join instructions prior to the first lab meeting.

GENERAL INFORMATION

COURSE DELIVERY

This course will be delivered online/synchronously. Course content will be delivered through the Canvas course shell and required lab meetings will occur via the Zoom platform during your scheduled lab period.

MEETING TIMES

CHM2095L meets synchronously online via Zoom once per week during your scheduled lab period. The meeting time can be found on your schedule on ONE.UF. The Zoom link will be provided on Canvas.

DESCRIPTION/GOALS

CHM2095L 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 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

Lab will start meeting online via Zoom the week of September 14th, but you have assignments due before this date. The first deadline for online assignments for all students is September 10th 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. Prior to attending each lab period, you must familiarize yourself with the lab background and procedure, and complete the pre-lab quiz and turn in your pre-lab notebook online. These will be due at 8:00am on your scheduled lab period. During the lab meeting, you will be assigned to work in groups to answer questions, perform the calculations, make graphs, etc. Your TA will be available to help and answer any questions. You will be graded by your TA on attendance and participation during each lab period. After the lab period, you will submit your post-lab assignments online to be graded. These will be due at 11:59pm on the day of your scheduled lab period.

COURSE REQUIREMENTS

REQUISITES

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

REQUIRED MATERIALS

You will require a computer with an internet connection, a functional webcam and microphone, and Excel. You will require a paper laboratory notebook with grid lines for writing and making graphs.

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*)

Dates	Monday	Tuesday	Wednesday	Thursday
Aug 31 - Sep 3	NO LABS			
Sep 7 - Sep 10	HOLIDAY	NO LABS		
Sept 14 - Sep 17	DC0: Restore and Improve Urban Infrastructure			
Sep 21 - Sep 24	DC1: Provide Access to Clean Water: Design Phase			
Sep 28 - Oct 1	DC1: Provide Access to Clean Water: Conduct Phase			
Oct 5 - Oct 8	DC1: Provide Access to Clean Water: Analyze Phase			
Oct 12 - Oct 15	DC2: Make Solar Energy Economical: Design Phase			
Oct 19 - Oct 22	DC2: Make Solar Energy Economical: Conduct Phase			
Oct 26 - Oct 29	DC2: Make Solar Energy Economical: Analyze Phase			
Nov 2 - Nov 5	DC3: Develop Carbon Sequestration Methods: Design Phase			
Nov 9 - Nov 12	DC3: Conduct Phase		HOLIDAY - NO LABS	DC3: Conduct
Nov 16 - Nov 19	DC3: Analyze Phase		DC3: Conduct	DC3: Analyze
Nov 23 - Nov 26	FLEX DAYS		HOLIDAY - NO LABS	
Nov 30 - Dec 3	FLEX DAYS		DC3: Analyze	FLEX DAYS
Dec 7 - Dec 10	FLEX DAYS			NO LABS
Dec 14 - Dec 17	Online Lab Exam is Wednesday, December 16 th at 10:00am			

*The schedule may change due to university cancelations. Flex days may need to be used to reschedule for any reason. Students should keep their schedule clear during flex days on the days of their scheduled lab period. All changes will be clearly communicated via Canvas announcements.

ATTENDANCE INFORMATION

LAB PERIOD

You are required to attend lab online via Zoom during your scheduled lab period. If you are well-prepared, you should not experience difficulties completing the experiments within the allotted timeframe. Your attendance and participation will be recorded during lab - you must have your webcam and audio enabled in order to receive participation credit. If you are more than 5 minutes late, then you forfeit your attendance and participation points for the day. You are still responsible for completing the lab and turning in the lab assignments even if you are not present. If you are unable to attend lab due to extenuating circumstances, you should contact Dr. Korolev to request an excused absence.

ABSENCES

Students who miss lab deadlines 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 email to your coordinator through Canvas; and (2) submit your documentation to either Dr. Korolev via Canvas email or to the Dean of Students Office. Requirements for class attendance and make-ups in this course are consistent with university policies that can be found in the Undergraduate Catalog.

GRADING

DEADLINES AND LATE POLICY

The first assignments for the course are due online on September 10th at 11:59pm. These assignments include a practice quiz, syllabus quiz, safety quiz, practice assignment, and safety contract. 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. These will begin the week of September 14th.

Pre-Lab assignments cannot be completed late for any credit. For best performance, use only Firefox or Chrome on your computer to submit assignments. 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.

GRADE BREAKDOWN

Each laboratory exercise is comprised of a Pre-Lab quiz, a Pre-Lab Notebook assignment, a Post-Lab exercise, and various other assignments specific to that lab. Each laboratory exercise is weighted equally. Within each grading category, assignments are weighted according to the published point value on Canvas. If there is any confusion about this, please contact the course coordinator. Detailed information regarding each of these graded items is provided in Canvas.

Assignment weights are as follows:

Assignment Group	Weight %
Safety/Syllabus/Etc.	5%
Surveys	5%
Attendance/Participation	5%
Lab Assignments	70%
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 completely avoidable, as students can submit an assignment and verify that the contents have been submitted properly prior to the deadline. Therefore, technical issues are the student's responsibility. Do not use the mobile app to submit assignments.

LAB EXAM

Part of your course grade will be based on your performance on the Lab Exam. This is a timed and proctored exam that is scheduled during finals week for Wednesday, December 16th starting at 10:00am. You will have 1 hour complete the lab exam individually. It will assess skills that you have used throughout the semester.

This course uses Honorlock for proctoring of the lab exam. Honorlock is UF's designated online proctoring service for classroom exams and quizzes that were previously in person but have moved online as part of the COVID-19 response effort. In order for you to take exams in this course you will need a government issued photo ID (or your Gator-1 ID), a working camera and microphone on your computer, a stable internet connection, and the Google Chrome browser (<https://chrome.com>) on your computer. Before and during your exam you will need to follow the Honorlock proctor's instructions. Please familiarize yourself with the Honorlock student guide: <https://dce.ufl.edu/media/dceufledu/pdfs/Honorlock-Student-Guide-UF-Update.pdf> and the Honorlock Student Exam Preparation Information: <https://dce.ufl.edu/media/dceufledu/pdfs/Honorlock-Student-Exam-Preparation-Information.pdf> .

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 final exam 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.

UNIVERSITY POLICIES

ZOOM PRIVACY

Our class sessions will not be audio-visually recorded - if there is a change in policy students will be notified.

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.

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/>.

SPECIFIC GOALS OF CHM2095L

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.

CONFLICTS

If you experience issues with CHM2095L that you cannot resolve with your TA, please contact Dr. Korolev as soon as possible. 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.