

# CHM2047L ONE SEMESTER GEN CHEM LAB

FALL 2023

## INSTRUCTOR INFORMATION

Instructor	Email	Phone	Office Location & Hours
Dr. Korolev Instructional Professor	Email in Canvas preferred korolev@ufl.edu	352-392-1087 (email preferred)	Office hours available by appointment

## LAB MANAGERS

The lab managers are Candace Biggerstaff and Jacob McCartney. They can be contacted via Canvas email.

## TEACHING ASSISTANTS

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

### PREREQUISITES

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

### COURSE DELIVERY

This course is 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.

### COURSE FEES

Additional Course Fees: \$30.00.

### MEETING TIMES

CHM2047L meets once per week in SFH 110. Refer to your class schedule for your lab meeting time.

### DESCRIPTION/GOALS

CHM2047L is designed to introduce you to common laboratory techniques and equipment used in the advanced 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 CHM2047 lecture. Students will keep a professional laboratory notebook, perform data analysis, report scientific findings, make inferences, use scientific literature databases, and delve into drawing, modeling, and computational chemistry.

### FIRST DAY OF LAB

Lab will commence the week of September 11<sup>th</sup>. You have assignments due online prior to this date, please keep an eye on Canvas.

You are not permitted to enter the lab without proper safety attire, including approved eye protection, or without being cleared for campus. Prior to attending each lab period, you must familiarize yourself with the lab background and procedure and complete any pre-lab assignments in Canvas. Each workstation in the lab is equipped with a computer that allows access to eLearning to view the lab documentation.

Your attendance is recorded during the lab period. During or after the lab period, you will submit your post-lab assignments in Canvas for grading. Post lab assignments are due at 11:59 pm the Thursday following each lab session.

You will be working with a lab partner or small group for many of the wet lab activities. All work turned in is individually graded.

## COURSE MATERIALS AND SAFETY

### REQUIRED MATERIALS

- Approved safety glasses/goggles and proper attire. You will be asked to leave the lab if not properly attired. There are no make ups or excused labs for attire issues.
- You will require a suitable laboratory notebook. Our recommendation is a standard composition notebook.
- All UF students are expected to satisfy the UF computing requirement and have access to a computer with an internet connection. You will also require Excel.

### 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 the necessary safety glasses, or who is inappropriately attired, will not be allowed into the lab. Students not cleared for campus will not be allowed to enter lab. gum chewing or headphones are permitted. 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 you return within 15 min of the start of your lab period.

### 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.

### LOGISTICS/CLEANLINESS

You will work in pairs to complete the laboratory activities. You should check your group's glassware for cleanliness before beginning the lab. If any glassware is broken during the lab session, communicate this immediately to your TA so it can be replaced/cleaned up. Each pair is allocated their own bin of glassware and supplies for the entire semester; no other students will use your bin.

## LAB SCHEDULE (SUBJECT TO CHANGE)

DATE (Mondays)	LAB ACTIVITY
Aug. 28	No lab (add/drop); online activities due this week
Sept. 4	No lab (holiday); online activities due this week
Sept. 11	Intro to Vernier, Pipetting
Sept. 18	$^{13}\text{C}$ NMR
Sept. 25	$^1\text{H}$ NMR, IR
Oct. 2	Electrolytes, Conductimetric Titration
Oct. 9	TLC, Column Chromatography
Oct. 16	Transition Metals
Oct. 23	Calorimetry
Oct. 30	Library (Report to Marston 308)
Nov. 6	WebMO
Nov. 13	Le Chatelier
Nov. 20	Titration Lab
Nov. 27	Flex Day
Dec. 4	Flex Day

This lab schedule is subject to change; students should keep their schedule free during their scheduled lab period throughout the semester. Flex days may be used if regularly scheduled lab days need to be rescheduled. Such situations will be clearly announced via Canvas Announcements. It is the students' responsibility to read the Canvas announcements.

## ATTENDANCE INFORMATION

### LAB PERIOD

You are expected to attend lab in person during your scheduled lab period, and to leave the laboratory when the lab period ends. If you are well-prepared, you should not experience difficulties completing the experiments within the allotted timeframe. You may not arrive early, stay late, or attend during a different lab period to complete your laboratory activities. If you are more than 15 min late, you will not be allowed to enter lab and will forfeit attendance points for the day; arriving late is disruptive to the group. Any student who has an unexcused absence is not allowed to submit any post-lab assignments related to the missed lab period.

### 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/>.

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. Excused absences are not granted for exams or makeup exams for other classes. Missing lab due to improper lab attire does not qualify for an excused absence. Emailed requests to “preview” excused absences are 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 makeup lab within 7 d of the missed lab session. To have a request considered for approval, you must (1) complete the Absence Request Form on Canvas; and (2) provide documentation by either attaching a doctor’s note to the form (if due to illness) or request an excuse note from the Dean of Students Office (if due to a family emergency).

Any student who missed more than two 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

### GRADE BREAKDOWN

Each laboratory exercise is comprised of various 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/Surveys/Syllabus Quiz/Week 1 Assignments	5%
Labs (11 @ 8% each)	88%
Final Assignment	7%

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

Letter	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Cutoff	94.0	90.0	87.0	84.0	80.0	77.0	74.0	70.0	67.0	64.0	60.0	< 60.0

### RE-GRADES

The lab notebook is graded during lab period. Communicate any lab notebook grade disputes to your TA during the lab period and your TA will address your concerns at that time and make any necessary corrections during the lab period. 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/photographed 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.

## LATE POLICY

Late assignments are penalized at 25% per day received late.

## UNIVERSITY POLICIES

### STUDENTS REQUIRING ACCOMMODATIONS

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

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: <http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php>.”

### CAMPUS RESOURCES

U Matter, We Care: If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu), 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: Visit the [Counseling and Wellness Center website](#) or call 352-392-1575 for information on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the [Student Health Care Center website](#).

University Police Department: Visit [UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit the [UF Health Emergency Room and Trauma Center website](#).

GatorWell Health Promotion Services: For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit the [GatorWell website](#) or call 352-273-4450.

## ACADEMIC RESOURCES

E-learning technical support: Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu).

[Career Connections Center](#): Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.

[Library Support](#): Various ways to receive assistance with respect to using the libraries or finding resources.

[Teaching Center](#): Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.

[Writing Studio](#): 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.

Student Complaints On-Campus: Visit the [Student Honor Code and Student Conduct Code webpage](#) for more information.

On-Line Students Complaints: View the [Distance Learning Student Complaint Process](#).

## FEEDBACK

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. A detailed guide is posted under the *Settling In* section in Canvas.

## GETTING HELP

For issues with or technical difficulties with Canvas, contact the UF Help Desk: <https://lss.at.ufl.edu/help.shtml>; (352)-392-HELP.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for Counseling and Wellness resources, disability resources, resources for handling student concerns and complaints, and library desk support.

## 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.