

Survey of Chemistry (II) Laboratory

CHEM1152L – Summer 2021

Instructor: Dr. Zahra Alghoul

Course Communications

Please use icollege for course communications.

To send me an email through icollege, select *Classlist* -> *Instructors/TAs* -> *Send email* (dropdown button next to my name)

Course Format

The laboratory will be offered in synchronous online format.

You will use icollege and Labflow for accessing the course material.

Lab Meetings

Online lab meetings will be held Monday and Wednesday at 08:45 am each week through Webex. To join a meeting, click on the **Webex** tab on the course page on icollege and then click on the **Join** tab for the corresponding session under **Virtual Meetings**.

Office Hours

If you have questions, you may sign up for a 15-minute individual Webex meeting.

Tuesday 4:00 – 4:30 pm.

To sign up for an office hour meeting, use the Webex tab on the course page on icollege -> Click on Office Hours tab -> Choose one of the sessions under Wednesday -> click on Confirm Meeting.

Course Description

This is the second lab in the Survey of Chemistry lab series for non-science majors. It covers topics in organic chemistry and biochemistry. Studying for the lab includes attending online meetings, reading the experiment procedure, and completing the assignments. The experiment files, prelab quizzes and lab reports will be available on Labflow. The midterm and final exam will be available on icollege under Assessments -> Quizzes.

Course Objectives

- To learn about the physical properties of organic compounds (alcohols, aldehydes, ketones)
- To observe the chemical properties of organic compounds through synthesis reactions
- To use extraction and recrystallization in separating and purifying compounds
- To determine the percent yield and purity of the product from a synthesis reaction
- To observe chemical and physical properties of carbohydrates, proteins, and lipids

Course requirements

- Create a Labflow account using the instructions sheet posted on icollege.
- Installation of lockdown browser: This course will require students to use LockDown Browser with Respondus Web Monitor for the midterm and final exam. Students will need a webcam-enabled device capable of installing Lockdown Browser. Students who require a device may request one from CETL: <https://cetl.gsu.edu/resources/resources-for-learning-remotely/internet-options/>

Assignments

- Prelab Quizzes and Lab reports on Labflow:
Each experiment on Labflow consists of a description of the procedure, demonstration videos, a prelab quiz, and a lab report.
Experiments will open on either Monday or Wednesday each week at 8:00am and close at 11:59 pm the next day.
Experiments that open on Monday at 8:00 am are due on Tuesday at 11:59 pm. Experiments that open on Wednesday at 8:00 am are due on Thursday at 11:59 pm.
Prelab quiz: You will have 1 hour to complete the quiz.
Lab report: You may start the attempt and complete it at a later time before the due date.
- Midterm and final:
Each is a 50-minute exam that consists of multiple-choice questions. **The exams will open on the scheduled prelab lecture time.**
Exams will be accessible through icollege -> Assessments -> Quizzes. Both exams require LockDown Browser with Respondus Web Monitor.

Grading

- The lowest prelab quiz score and the lowest lab report score will be dropped. This excludes the lab safety quiz which is mandatory.
- If you miss a prelab quiz or lab report submission it will be your dropped score.
- The midterm and final exam will both count towards your grade.

Prelab Quizzes (10)	70 (14%)
Lab reports (9)	180 (36%)
Midterm	100 (20%)
Final Exam	150 (30%)

Grading Scale

Letter grade	Range %	Letter grade	Range %
A+	97+	C+	77+
A	93+	C	73+
A-	90+	C-	70+
B+	87+	D	60+
B	83+	F	< 60
B-	80+		

The instructor MAY modify the grading percentile downwards.

Schedule

Week 1	Lab Safety
Week 2 -Monday	Alcohols and Phenols
Week 2- Wednesday	Aldehydes and Ketones
Week 3 - Monday	Extraction of Caffeine
Week 3 - Wednesday	Aspirin and other analgesics
Week 4	Midterm (June 30th at 8:45 AM)
Week 5 - Monday	Holiday – No classes
Week 5 - Wednesday	Preparation and properties of soap
Week 6 - Monday	Carbohydrates
Week 6 - Wednesday	Lipids
Week 7- Monday	Amino Acids
Week 7 - Wednesday	Peptides and proteins
Week 8 - Monday	Final exam (July 26th at 8:45 AM)

Academic Honor Code

All students are expected to respect the academic honor policy and to contribute their own effort into their academic achievements. Graded assignments should reflect every student's effort. Violation of the academic honor policy will result in an F on the course, according to University regulations.

- Unauthorized sharing/collaboration on examinations or other assignments using any means including social media like GroupMe constitutes academic dishonesty.
- KNOWING about such sharing and not reporting it also constitutes academic dishonesty and will be reported as such.
- Please remember that there is no statute of limitations on academic dishonesty, so if it turns out after grades are reported that there was cheating or knowledge of cheating that was unreported, grades can be changed after the fact.

Americans with Disabilities Act Statement: If you are a student who requires special accommodations as defined under the Americans with Disabilities Act and require assistance or support services, please seek assistance through the Access and Accommodations Center at GSU.

Affirmative Action Statement: Georgia State University adheres to affirmative action policies designed to promote diversity and equal opportunity for all faculty and students.

Statement of Non-Discrimination: Georgia State University supports the Civil Rights Act of 1964, Executive Order #11246, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act. No person shall, on the basis of age, race, religion, color, gender, sexual orientation, national origin or disability, be excluded from participation in, or be denied the benefits of, or be subjected to discrimination under any program or activity of the college.