

Survey of Chemistry (II) Laboratory

CHEM1152 L - Fall 2020

Instructor: Dr. Jyotsna Thota

Class meetings

Class Office hours

How to sign up for office hours? On iCollege, click on webex, then office hours, then pick the most convenient slot that is available. Sign up 24 hours before the time slot.

If none of the slots work for you OR slots are not available, email me with 3 possible time slots (email should be sent 48 hours before the first time slot) and alternative time will be arranged for you.

If you formed student group and you would like to have group discussion with me, one member of the group should email me with 3 possible time slots (email should be sent 48 hours before the first time slot) and group discussion will be arranged for you.

Note: Office hours will be recorded.

Course Communications

1. Email: jthota@gsu.edu
2. Announcements on iCollege

Course Description

This is the second lab in the Survey of Chemistry lab series for non-science majors. It introduces students to basic lab skills such as lab safety, understanding basics of organic chemistry and biochemistry. For successfully completing this course, the following steps should be followed

1. Sign up for notifications on iCollege
How to sign up for notifications? On the top right corner of iCollege, you will see initials of your name. When you click and click on notifications, you will see several ways to get notifications. In the past, students have given feedback in my class that the app works best for them but please choose what works best for you.
The idea is that you should get reminders as soon as an update is made on iCollege
2. Read the announcement about the Week's experiment in detail
3. Watching prelab lectures on iCollege (these will consist of checklist for the week and useful recommendations and tips)
4. Reading the experiment description on labflow (pdf files)
5. Watching all the videos on labflow
6. Completing prelab quiz
7. Completing data and report submission

Tip: At the start of the week, log into lab flow and download the pdf file, read it and make notes. Then watch the videos and make notes. Read through all your notes and make a list of things to memorize. Think about practical applications and types of questions you could be asked on a quiz/exam. Attempt pre-lab quiz, data and report submission. Attend office hours.

Course Objectives

- To learn about melting points and how melting point can distinguish between pure and impure compound
- To learn about functional groups in organic chemistry (alcohols, phenols, aldehydes, ketones)
- To learn about functional groups in biochemistry (carbohydrates, lipids, aminoacids, peptides and proteins)

Course requirements

- A nonprogrammable scientific calculator
- Register for a Labflow account using the instructions sheet.
- Installation of lockdown browser: This course will require students to use LockDown browser with Resonus Web Monitor for all course **exams as well as quizzes**. Students will need a webcam-enabled device capable of installing Lockdown Browser. Students who require a device may request one from CETL here: <https://cetl.gsu.edu/resources/resources-for-learning-remotely/internet-options/>

Course Format

The laboratory will be offered in an asynchronous online format.
Students will use icollege and Labflow for accessing the course material.

PreLab Lectures

Prelab lecture videos will be posted in the content section on the course page on icollege.

Assignments

Week begins Monday 8.00 AM and ends Sunday 8.00 PM

After 8.00 PM on Sunday, students will not be able to access the lab quizzes or report. So all the work needs to be completed well before time to avoid any last minute problems.

- Every week is associated with a prelab quiz and data and lab report submission
Prelab quiz: Students will have 2 submission attempts at no penalty.
Lab report: Students will have 1 submission attempt
- Course quizzes
There will be 4 quizzes given throughout the semester. 1 submission attempt. The quizzes will be accessible through icollege -> Assessments -> Quizzes.
- Midterm and final examinations
Each exam will consist of multiple choice and free response questions. You may use a blank scratch paper during the exam. You will be required to show the paper on the camera at the beginning and end of the exam. Exams will be accessible through icollege -> Assessments -> Quizzes.

Grading

- The lowest prelab quiz score and the lowest lab report score will be dropped.
Note: Lab safety quiz is mandatory, and it will not be dropped.
- If you miss a prelab quiz or lab report submission it will be your dropped score.
- The other 4 quizzes, midterm, and final exam will all count towards your grade. They will not be dropped

Prelab Quizzes (10 of 11)	10 %
Lab reports (9 of 10)	40.5 %
4 Quizzes	9.5 %
Midterm	20 %
Final Exam	20 %

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+		

Schedule

Week 1 (08/24)	Lab Safety
Week 2 (08/31)	MP of compounds and Mixtures
Week 3 (09/07)	Alcohols and Phenols Quiz 1
Week 4 (09/14)	Aldehydes and Ketones
Week 5 (09/21)	Extraction of Caffeine Quiz 2
Week 6 (09/28)	Midterm Opens on 10/02 at 8:00am and closes on closes on 10/04 at 8:00 pm.
Week 7 (10/05)	Aspirin and other analgesics
Week 8 (10/12)	Preparation and properties of soap
Week 9 (10/19)	Carbohydrates Quiz 3

Week 10 (10/26)	Lipids
Week 11 (11/02)	Amino Acids
Week 12 (11/09)	Peptides and proteins
Week 13 (11/16)	Review
Week 14 (11/23)	Thanksgiving Break
TBA	Final exam

Class policies

1. We honor each class member's experiences, beliefs, perspectives, and backgrounds, regardless of race, religion, language, immigration status, sexual orientation, gender identification, ability status, socio-economic status, national identity, or any other identity markers. If you ever have any concerns about the (virtual) classroom climate, please let Dr. Thota know. Your suggestions about how to reinforce the values of diversity and inclusion are encouraged and appreciated.
2. When posting on discussions, please post **only on the topic** asked by the Dr. Thota. Do not comment on other's discussion post unless instructed by the Dr. Thota.

3. 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.

- Selling, sharing, publishing or distribution of course material for any purpose is strictly prohibited. This includes posting any materials on websites such as Chegg, Course Hero, OneClass, Stuvia, StuDocu and other similar sites. In case group work is needed for the class, instructor will inform you of that as need arises.
 - 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.
 - <https://gastate.view.usg.edu/d2l/le/content/2060908/viewContent/36242700/View?ou=2060908>
4. **Americans with Disabilities Act Statement:** Students who wish to request accommodation for a disability may do so by registering with the Access and Accommodations Center. Students may only be accommodated upon issuance of accommodation documentation by AACE and students are responsible for providing a copy of that documentation to instructor. Students with AACE accommodations should then contact the instructor during the first week of classes.
 5. **Affirmative Action Statement:** Georgia State University adheres to affirmative action policies designed to promote diversity and equal opportunity for all faculty and students.
 6. **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.