

# Chemistry 2100 Syllabus Summer 2020

## Organic Chemistry Lab I

**Instructor:** David Connors [dconnors@gsu.edu](mailto:dconnors@gsu.edu)

**Office Hours** Via WebEx See iCollege for times

Please allow 24 hours for a response via email Monday through Friday, emails on the weekend will not be checked until Monday. Any email concerning technology issues needs to be accompanied with a help ticket from the appropriate source (iCollege or labflow).

**Please send emails with your GSU email and put the course title in the subject line.**

## Course Description

This is a first semester organic chemistry lab which will introduce the student to techniques and instruments commonly used in an organic chemistry lab. This course will be administered through Labflow in which you will watch videos of labs and concepts and then answer follow up questions. Additional information will be on iCollege. You will receive instruction on iCollege on how to set up your Labflow account **at no cost to you.**

## Course Outcomes

At the conclusion of this course you will be familiar with basic organic lab techniques, such as liquid-liquid extraction, distillation and recrystallization. You will also be familiar with IR spectroscopy and will be able to interpret an IR spectrum.

## Text and Materials

All labs will be accessed through Labflow ([www.labflow.com](http://www.labflow.com))

## Grading

You are required to complete one safety module and 12 lab modules via Labflow. Each module consists of a prelab document and some course videos. There is a prelab quiz to ensure that you watched the video (10 points each) and a report at the end of the module (80 points each). You will have two attempts for each quiz and three attempts for each report. Your best 11 lab modules will be added to the safety quiz. This means you can drop one lab module.

So 11 labs (90 points) = 990 points + 10 points (Safety quiz) = 1000 points. Divide this by 10 to get your percent.

**A+:** 96% **A:** 92%; **A-:** 89%; **B+:** 86% **B:** 82% **B-:** 78%, **C+:** 76% **C:** 72% **C-:** 68% etc

## Course Overview

This course will be administered through Labflow and you will be responsible for completing 2 lab modules every week (except the first week). The modules will open on Monday at 8 AM close on Sunday at 11:59 PM. Be aware that I will most likely not respond to emails on the weekend so if you would like to ask questions about a lab it is best to start it before Friday. Each module will take several hours to complete, so plan ahead. This lab normally meets for 10 hours a week, so plan on spending at least that much time on this course.

All assignments will be graded within one week of them being turned in.

### **Make up Policy**

There is no lab make ups, you are given seven days to complete each lab module and you are expected to finish the module in that time. It is very important that you do the experiments promptly and not wait until the last moment. If a situation arises in which you are unable to finish a module on time, please send me an email and I may consider granting an extension.

Below is a tentative schedule for the course. Changes may be necessary and will be announced in iCollege.

<b>Week</b>	<b>Start Date</b>	<b>End Date</b>	<b>Lab Work</b>
1	Jun 8 8 AM	June 14 11:59 PM	Lab Safety
2	June 15 8 AM	June 21 11:59 PM	MP of components and mixtures Recrystallization
3	June 22 8 AM	June 28 11:59 PM	Separation of Benzoic Acid Extraction of Caffeine
4	June 29 8 AM	July 5 11:59 PM	Synthesis of Ester Separation by Simple Distillation
5	July 6 12 AM	July 12 11:59 PM	Separation by Fractional Distillation Aldehydes and Ketones
6	July 13 12 AM	July 19 11:59 PM	Classification of Alcohols Identification of Halides
7	July 20 12 AM	July 26 11:59 PM	IR identification SN2 Preparation of Nerolin

This schedule is tentative, and deviations may be necessary.

### **DEPARTMENT OF CHEMISTRY POLICY STATEMENT REGARDING STUDENT INTEGRITY:**

The Department of Chemistry follows the university policy on academic honesty published in the "Faculty Affairs handbook" and the "On Campus: The Undergraduate Co-Curricular Affairs handbook." Any suspected offenses may be referred to the Department Chair for appropriate action.

All tests taken must represent your individual, unaided efforts. To receive or offer information during an examination is cheating. The use of unauthorized supplementary materials during tests is also cheating. All laboratory work performed during this course must reflect your individual effort. Only original data obtained by your own laboratory experimentation are to be used, except when specifically authorized by your laboratory professor. Data from supplementary sources (handbooks, reference literature, etc.) must be clearly referenced (title, author, volume, page(s), etc.). Falsification or destruction of data constitutes cheating.

### **Accommodations**

Students who wish to request accommodation for a disability may do so by registering with the Access and Accommodation Center. Students may only be accommodated upon issuance by the Access and Accommodation Center of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.