

## **CHEM 2312-LS Syllabus**

Organic Chemistry II, 3 Credits

Fall 2026

### **Instructor Information**

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**Instructor: Stefan France**

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### **General Course Information**

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#### **Description**

The second course in the series dealing with the structure and reactivity of organic molecules. Credit not awarded for both CHEM 2312 and CHEM 2313.

#### **Course Learning Outcomes**

Upon completion of this course, students will be able to:

- Apply a variety of qualitative reasoning strategies, especially probabilistic reasoning and reasoning by analogy, to predicting the mechanisms and products of organic reactions. Draw and analyze reasonable organic reaction mechanisms using the curved arrow formalism, the elementary-step framework, and structural stability factors.
- Determine spatial relationships between molecules and groups and apply these to predict the outcomes of reactions that introduce asymmetry.
- Design syntheses of relatively complex organic molecules from simple precursors using mechanistic strategies for synthetic planning.
- Describe biomonomers and biopolymers, their synthesis, reactivity, and their behavior using the principles and language of organic chemistry.

#### **Required Course Materials**

Organic Chemistry, 4th edition by David Klein

## Grading Policy:

Course grades will be assigned based on total points earned on pre-class quizzes, homeworks, a project, midterm exams, and the final exam. Points are distributed as follows:

### Assignments:

Pre-class quizzes.....	100 pts
Homework (HW).....	200 pts
Project (P).....	100 pts
Midterm Exams (E1-E4).....	400 pts
Final Exam (F).....	200 pts

*Your final grade will be assigned as a letter grade according to the following scale:*  
score (out of 1000) = Q + HW + P + E1 + E2 + E3 + E4 + F

A.....	1000 - 875 pts
B.....	875 - 750 pts
C.....	749 - 600 pts
D.....	599 - 450 pts
F.....	449 - 0 pts

## Description of Graded Components

Pre-class quizzes- Before each class period, a set of readings and/or videos will be assigned. These materials will introduce concepts relevant to the problems we will encounter in class. Short multiple-choice quizzes based on these materials will be posted in Canvas.

Homework- Weekly homework assignments will be graded for accuracy.

Midterm Exams- Four in-class midterm exams will be given.

Project- The class will be divided into groups of three students. Each group will be assigned a commercial, FDA-approved pharmaceutical drug molecule and is responsible for creating a poster presentation that fully details requisite information about the assigned drug compound.

Final Exam- Each student will take a comprehensive, in-person final exam.

## Course Policies

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### Regrade Policy

Regrades are automatically handled through Gradescope where students can select the specific question and explain their reasoning for a regrade. Then the instructor or grading TA can reevaluate the answers, respond to the students, and award points accordingly in Gradescope. All regrade requests need to be submitted within one week from the time the graded assignment is posted.

### Extra Credit

There are numerous extra credit opportunities (for point accumulation and assignment replacement) available throughout the semester. These opportunities will be discussed in class.

### Attendance and/or Participation

This is a residential course, meaning that it is offered fully in-person. Attendance will be taken at each lecture.

### Extensions, Late Assignments, and Rescheduled/Missed Exams

*Institute approved absences:* Students who are absent because of participation in GT athletics or due to particular religious observances will be permitted to make up the work missed during their absence with no late penalty, provided the student informs the course instructors of the upcoming absence, in writing, within the first two weeks of class, and provided that the student makes up the missed material within the time frame established by the course instructors. This also applies to exams.

*Illness:* If you miss an exam due to illness, then you should email me as soon as you know you will miss or have missed an exam. You may be asked to contact the Dean of Students depending on the situation and duration of the illness.

*Personal emergencies:* Students may miss exams due to personal emergencies. Please also email me as soon as you know you will miss or have missed an exam due to personal emergency.

*You must contact me immediately if you miss an exam without an excused absence (as outlined above).*

### Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and

cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

### **Academic Integrity**

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

### **Core IMPACTS**

[Core IMPACTS](#) is the University System of Georgia's General Education curriculum. If you are teaching a course that counts towards Core IMPACTS, you should include a syllabus statement about the Core area and associated [career competencies](#). [This resource](#) developed by the Center for Excellence in Teaching and Learning and Online Education at Georgia State University includes template syllabus statements for each of the Core IMPACTS areas that you may adapt for your course.

### **Accommodations for Students with Disabilities**

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

## Campus Resources for Students

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### **Student Well-Being:**

At Georgia Tech, we are concerned about your overall physical, social, and mental well-being. A [comprehensive list](#) of wellness related resources has been compiled and maintained by the Office of the Vice President for Student Engagement and Well-being ([student-resource-guide \(gatech.edu\)](#))