

CHEM 2211 – Modern Organic Chemistry I

Spring 2026

The course syllabus is a general plan for the course; deviations announced to the class by the instructors may be necessary. The instructors reserve the right to make changes or corrections to this syllabus at any time. Students will be notified by eLC announcement when any changes are made.

Instructors and Office Hours

All questions about course content should be addressed in group office hours. Students are welcome to attend ANY instructor's group office hours! Please make an appointment with YOUR instructor if you need to discuss a private matter not related to course content.

Instructor	Email Address	Office Location	Group Office Hours
Dr. Richard Hubbard	chemburn@uga.edu	Science Learning Center 119B	MWR 2:00 – 3:00 PM, SLC 119B
Dr. Nicholas Llewellyn	nicholas.llewellyn@uga.edu	Cedar Street Building D 407A	MR 10:00 – 11:00 AM, Zoom F 1:45 – 2:45 PM, MLC 277
Dr. Robert Phillips	plp@uga.edu	iSTEM-2 3209	T 1:00 – 2:00 PM, & R 2:00 – 3:00 PM iSTEM-2 3209
Dr. Nathan Thacker	nathan.thacker@uga.edu	Cedar Street Building D 409D	M 1:00 – 2:30 PM, CSBD 418

Course Meeting Times

Lecture			
Instructor	CRN	Meeting Time	Location
Hubbard	23396	MWF 12:00 – 12:55 PM	Cedar Street Building C 430
Llewellyn	65127	WF 9:55 – 11:15 AM	Cedar Street Building C 430
	23395	WF 11:35 AM – 12:55 PM	Miller Learning Center 101
	50930	WF 2:55 – 4:15 PM	Miller Learning Center 102
Phillips	13095	TR 9:55 – 11:15 AM	Poultry Science Building 14
Thacker	61096	MWF 9:55 – 10:50 AM	Cedar Street Building C 400

Recitation			
Instructor	CRN	Meeting Time	Location
Chemistry Learning Assistants	73165	M 9:55 – 10:50 AM	Science Learning Center 85
	73170	M 2:55 – 3:50 PM	Cedar Street Building B 404B
	73166	M 4:35 – 5:30 PM	Cedar Street Building B 404B
	73164	T 9:55 – 10:50 AM	Cedar Street Building B 404B
	73168	T 2:55 – 3:50 PM	Physics Building 202
	73163	T 3:00 – 3:55 PM	Science Learning Center 85
	73167	T 4:35 – 5:30 PM	Cedar Street Building B 404B

Course Description

This is a Core IMPACTS course that is part of the STEM area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I ask scientific questions or use data, mathematics, or technology to understand the universe?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will use the scientific method and laboratory procedures or mathematical and computational methods to analyze data, solve problems, and explain natural phenomena.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Inquiry and Analysis
- Problem-Solving
- Teamwork

CHEM 2211 is the first semester of a two-semester sequence of organic chemistry for students majoring in sciences and for pre-medical, pre-dental, pre-pharmaceutical, and pre-veterinary students. This is a wholly in-person course with 160 minutes of in-person lecture and one 55-minute in-person recitation section (CHEM 2211D) each week. CHEM 2211L is the companion one credit hour lab course, which must be taken concurrently unless you already have credit for the lab course. CHEM 2211/2211L are introductory organic chemistry courses that are comparable to similar sequences for science majors taught at major state universities in the country. This course uses an American Chemical Society Examinations Institute standardized exam as the final. Students who successfully complete CHEM 2211 should be able to understand the principles underlying the relationships between structure and reactivity of organic compounds, to interpret spectroscopic data to determine the structure of an organic compound, and to analyze and predict the outcome of fundamental organic reactions.

Course Materials

- **Textbook: Organic Chemistry, 5th edition, Klein, D. (Wiley)**
 - **Please follow the detailed instructions provided in your eLC "Welcome" module to purchase the e-Text at the special UGA student rate of \$40!**
- *Top Hat* online clicker system for graded in-class questions (provided free of charge through UGA).
- An internet-enabled device (computer, phone, or tablet) to access *Top Hat* for in-class questions.
- A non-programmable, scientific calculator such as the TI-3x series or the Casio ClassWiz series. Programmable or graphing calculators (eg. TI-83 or similar) are not permitted. While organic chemistry is largely qualitative, conceptual, and graphical in nature, some topics will involve calculations.
- **Strongly Recommended:** a molecular modeling kit marketed for organic chemistry. Organic chemistry is a three-dimensional geometric science. A solid conceptualization of molecular geometry is critical to understanding organic chemistry. The best way to become comfortable with molecular structure and geometry is by building molecules with a molecular modeling kit, such as the Molecular Visions Model Kit (Darling Models, ISBN: 0964883716) or the Molymod MMS-008 Kit (Indigo Instruments). **Any model kit will do; gumdrops and toothpicks are better than nothing!**

Course Assignments

In-Class Questions

Class lectures will include graded in-class clicker questions through *Top Hat*. These questions will be graded on both participation and correctness. The number of in-class questions will vary from lecture to lecture; each question will be worth the same number of points, regardless of how many questions there are in a particular class session. **The total value of in-class questions will account for 2.5% of the overall course grade (25 points out of 1000).** Make-ups are not permitted for in-class questions for any reason. To account for any absences (excused or unexcused) and/or random technical issues, **15% of the total in-class question points will be dropped from your final course grade calculation.** If you have an extended, documented absence that will cause you to miss more than 15% of overall class questions (roughly equivalent to six 55-minute or four 80-minute lecture sessions), please contact **your instructor** to discuss accommodations.

Academic Honesty Expectations: You must be physically present in class to earn credit for in-class questions. It is a violation of the Academic Honesty policy to access and/or respond to in-class questions if you are not physically present in class, to answer in-class questions on behalf of another student, or to help a student who is not present in class to access or respond to the in-class questions (eg. to share access codes or question details with a student who is not present).

Recitation

In addition to lecture, weekly recitation assignments are intended to supplement course material and promote a deeper understanding of concepts. Recitation assignments may include worksheets, case studies, and other activities, which you are encouraged to work on with other students. To this end, weekly recitation sessions will be held with Chemistry Learning Assistants (CLAs) present to facilitate discussion. **Attendance in recitation is strongly encouraged, but not required.**

Recitation assignments will be due at **9:00 AM on the Saturday immediately following the recitation.** Recitation worksheets will be posted to eLC as PDFs by 8:00 AM the morning of the first recitation day (Mondays). You may print these assignments and work them on paper or complete electronically on a personal device; either way, you will need to convert the completed worksheets (including the cover sheet) to a single PDF file in the correct order, pages size, and layout and upload them to *Gradescope* by the deadline. **You are responsible for uploading the correct file as instructed on the recitation assignment.** Assignments will not be regraded if the pages in the PDF file are in an incorrect order, if there are missing or extraneous pages, or if the PDF is otherwise not properly formatted. Questions will not be regraded for incorrectly formatted answers.

There will be **13 recitation assignments worth a total of 5% of the overall course grade (50 points out of 1000).** Each recitation assignment will be worth the same number of points in the course grade, regardless of how many questions there are on a particular recitation assignment. Your score on each recitation assignment will be based on the total percentage of points you earn on that assignment (eg. if you score 90% of the credit for the recitation questions, you will earn 90% of 5 points – or 4.5 points – toward your final recitation grade). **The three lowest recitation assignment scores will be dropped from your final course grade calculation.**

Academic Honesty Expectations: While you are permitted to work with other students, you must complete your own personal worksheet yourself. It is a violation of the Academic Honesty policy to submit a worksheet completed by someone other than yourself or to provide a copy of your worksheet to someone else.

Textbook Practice Problems

It is strongly recommended that you work the problems provided in the textbook, including the additional problems at the end of each chapter. These practice problems are NOT collected or graded, but **routinely working problems is critical to your success in CHEM 2211.** You will be more successful if you work a few problems daily rather than all of the problems immediately prior to the exam. Use the solutions manual (included with your e-Text) only after you have thoughtfully and carefully considered related lecture and textbook presentations of the material.

Your e-Text also includes access to additional online practice problems, explainer videos, and other study resources. These are not graded, but you may find them helpful toward mastering the course material.

Weekly Quizzes

Weekly quizzes are **timed** assignments designed to test your understanding of the course materials and simulate exam conditions. The point value of quizzes has been intentionally set at a low value so that you can stumble on the quiz and not severely hurt your grade in CHEM 2211. It is much better to find out what you are struggling with on a quiz instead of an exam.

Quizzes will open after classes in *Top Hat* at 5:00 PM each Friday and will remain open until 9:00 AM on the following Tuesday morning, unless otherwise announced. There will be **13 quizzes worth 2.5% of the total grade (25 points out of 1000)**. Each quiz will be worth the same number of points in the course grade, regardless of how many questions there are on a particular quiz. Your score on each quiz will be based on the total percentage of points you earn on that quiz (eg. if you score 90% of the credit for the quiz, you will earn 90% of 2.5 points – or 2.25 points – toward your final quiz grade). **The three lowest quiz scores will be dropped from your final course grade calculation**. We suggest starting early, as **no extensions will be granted based on technical difficulties**. These dropped quiz grades are intended to cover **any** situations where you are unable to complete the quiz, including: illness, religious holidays, family emergencies, mental health days, etc. If you miss four or more quizzes for reasons that would **all** constitute excused absences, additional dropped quizzes may be allowed at the discretion of your instructor.

Be aware: Opening the end-of-chapter quiz commits you to completing the assignment at that time. The timer **cannot** be stopped or reset. Please do not click on the end-of-chapter quiz until you are ready to take and complete it.

Academic Honesty Expectations: You are expected to work on your own when completing the weekly quizzes. You should not use **any** outside resources. This is your opportunity to see what you need to work on before the exam. You should not share, post, or discuss quiz questions with anyone before quiz results are released.

Mid-Term Exams

There will be four (4) 90-minute in-person mid-term examinations **worth a total of 60% of the overall course grade (600 points out of 1000)**. An approximate estimation of what material will be on each exam is included in the tentative course schedule at the end of this syllabus. This tentative schedule is subject to change as the semester progresses; the specific content coverage of each exam will be announced in class and on eLC.

Each mid-term exam is graded out of 200 points, regardless of how many questions there are on any particular exam. **The one lowest mid-term exam score will be dropped from your final course grade calculation**. This one dropped exam is intended to account for cases in which a student must miss an exam and is unable to make it up in a reasonable time frame, must take an exam under less-than-ideal circumstances, etc.

Mid-term exams will be given on Wednesday evenings as specified below; these exam dates are firm and reflected in the course registration information in Athena.

Exam 1	Wednesday, February 4, 2026	6:30 – 8:00 PM
Exam 2	Wednesday, February 25, 2026	6:30 – 6:00 PM
Exam 3	Wednesday, March 25, 2026	6:30 – 8:00 PM
Exam 4	Wednesday, April 15, 2026	6:30 – 8:00 PM

Makeup exams are given at the discretion of the course coordinator (Dr. Nicholas Llewellyn, nicholas.llewellyn@uqa.edu) and require official documentation of an unavoidable absence. If you must miss an exam, you must contact Dr. Llewellyn as soon as possible – and no later than noon (12:00 PM) on the day of the exam – to request a make-up. Make-up exams are scheduled according to the availability of administrative support staff and must be completed by the **end of the day on the Friday immediately following the exam.**

Final Exam

The final exam will be administered on **Friday, May 1st, 2026 from 7:00 to 8:50 PM**. The final exam will be the First-Term Organic Chemistry Exam from the American Chemical Society (ACS) Examinations Institute. This multiple-choice exam is **worth 30% of the overall course grade (300 points out of 1000)**.

The final exam is mandatory. Unless prior arrangements have been agreed with your instructor, failure to take the final exam will result in a score of zero on the final exam. **Writing on this exam is prohibited and will result in a fine of \$25.00 to replace the exam booklet. A registration hold will be placed on your UGA account until the fine has been resolved.**

Exam Policies and Procedures

- Exam locations will be posted as an eLC announcement prior to each mid-term exam.
- You should plan to arrive to your exam location **at least 15 minutes prior to the scheduled exam start time** to allow for check-in.
- Bring your ID - we can accept any government issued photo ID, but your UGA ID is preferred.
- Personal belongings are to be left at the front or sides of the room before taking your seat and electronic devices **turned off**.
- You are not allowed to have a cell phone or smart watch on your person during the exam. All electronic devices must be left with your belongings. Any student found with a cell phone or smart watch will be referred to the Academic Honesty office.
- You should make use of the facilities **before** you enter the exam room. Once in the exam room you cannot leave until you have finished the exam. If you have a medical reason this is not possible, please sign up with the Accessibility & Testing Office as soon as possible to receive testing accommodations.
- You may only use a non-graphing calculator with the back cover removed and left in your bookbag.
- You will not be given extra time to fill in answers after time is called; make sure you clearly mark all answers in the corresponding answer spaces on the exam before time has elapsed. Anyone that continues to write after time has been called will be given a zero on the exam.

Course Grades

Course grades in CHEM 2211 will be calculated based on the following standard criterion grading scale according to the total points earned from all assignments and exams. Total **points** will be rounded to the **nearest whole number of points (the equivalent of rounding to the nearest 0.1%)**.

Assignment	Points	% Course Grade
Weekly Quizzes	25	2.5%
In-Class Questions	25	2.5%
Recitations	50	5.0%
Mid-Term Exams	600	60.0%
ACS Final Exam	300	30.0%
Total	1000	100.0%

Letter Grade	Points	% Course Grade
A	900 – 1000	90.0 – 100.0%
A-	880 – 899	88.0 – 89.9%
B+	860 – 879	86.0 – 87.9%
B	800 – 859	80.0 – 85.9%
B-	780 – 799	78.0 – 79.9%
C+	750 – 779	75.0 – 77.9%
C	650 – 749	65.0 – 74.9%
D	500 – 649	50.0 – 64.9%
F	0 – 499	< 50.0%

This grading scale may be modified at the discretion of the instructors. Per the Franklin College Bylaws: "The standards by which grades are assigned, the number and relative weight of assignments on which grades are based, and decisions to allow students to makeup or retake exams or assignments missed for, or otherwise compromised by the student's personal circumstances, are solely within the discretion of the instructor."

Course letter grades are delivered via Athena and appear when they are released by the Registrar's Office.

Regrade Requests

Regrade requests should only be submitted in cases where your answer was marked incorrect despite being in complete agreement with the posted key; please do not submit regrade requests asking for reconsideration of the key or partial credit grading rubric or asking why a particular answer is wrong/right. Please direct content questions directly to your instructor.

Requests for regrades on any assignment, including recitations and exams, must be submitted **in Gradescope no later than one week** after the score or key is posted. After one week, no grades will be changed, even in the case of grading errors. **You are responsible for reviewing your scored work in a timely manner. Please do not wait until the end of the semester to review past assignments for possible scoring errors; they will not be corrected at that point.**

Policies and Procedures

Accessibility Policy

Students seeking classroom or testing accommodations must register with the Accessibility and Testing Office (A&T) and take exams at the A&T testing facility. Exam accommodations **cannot** be offered in the regular exam rooms. More information may be found at <https://accessibility.uga.edu/register-for-services/>.

Communication

Instructor communications to the entire class will be made as announcements to the course eLC site. It is highly recommended that you set eLC notifications alerts to your preferred e-mail address. Remember that official communication is through eLC and/or UGA email. It is your responsibility by UGA policy to check both *on a daily basis*.

The eLC site will also be used to store and deliver lecture slides, exam resources, and other materials.

Email Etiquette

The course instructors receive a large number of student emails per day. To ensure your email is answered as quickly as possible:

- **Do not use the eLC mail function.** Instructors may be reached via their primary email addresses.
- Emails must originate from your **UGA email account**. External emails (eg. Gmail) are frequently filtered to “Junk” and may not be seen.
- Students should include their **course number and CRN** in every email, as instructors teach multiple large courses.
- Instructors will not respond to questions that are answered **in the course syllabus or in announcements or materials posted to eLC**. Please check these resources before sending an email.
- Emails should be both courteous and coherent. If you would not say it in person, please don’t write it in an email.
- Experience demonstrates that it is not effective to answer homework or concept questions via email. For help with class work or homework, visit an instructor during regularly scheduled office hours.
- Please allow at least **48 business hours** for a response due to the high volume of emails. If you do not receive a response to your message within 48 business hours and urgently require a response, please **forward your original email** to organic.instruction@uga.edu.

Academic Honesty

"I will be academically honest in all of my academic work and will not tolerate academic dishonesty of others." *A Culture of Honesty*, the University's policy and procedures for handling cases of suspected dishonesty, can be found at honesty.uga.edu.

As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, “A Culture of Honesty,” and the Student Honor Code. All academic work must meet the standards described in “A Culture of Honesty” found at: www.uga.edu/honesty. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

Use of AI

Artificial intelligence (AI) tools such as (but not limited to) ChatGPT can assist in providing explanations and suggestions and can be very useful as study guides when used correctly. However, these tools must not be used for obtaining or generating direct answers to graded assignments. Do not submit AI-generated content as your own work; this is a form of cheating. Additionally, be aware that information provided by AI can be inaccurate or incomplete. Use caution when accepting or applying explanations or information provided by an AI tool, and always make sure that the information presented comports with your class notes and materials.

Withdrawal Policy

The deadline to withdraw from CHEM 2211 is **11:59 PM on Thursday, April 9, 2026**. A grade of 'W' is assigned to all withdrawals made prior to the withdrawal deadline, irrespective of performance in the course. Withdrawal is accomplished through Athena: go to the withdrawal section of Athena and follow the instructions.

CHEM 2211 and CHEM 2211L are corequisite courses. You **may not** remain enrolled in CHEM 2211L if you withdraw from CHEM 2211 **unless you have already completed at least 80% of the CHEM 2211L assignments and are in good academic standing in the lab course**. Permission to remain in CHEM 2211L when withdrawing from CHEM 2211 is granted at the discretion of the lab coordinator (Dr. Richard Hubbard, chemburn@uga.edu).

After the withdrawal deadline passes, any student who withdraws from CHEM 2211/2211L will be assigned a grade of "F" by the UGA Registrar, except in the case of an approved hardship withdrawal that is authorized by the Office of Student Services (<http://reg.uga.edu/policies/withdrawals>).

Incomplete Policy

An incomplete grade, "I", may be assigned to students that are currently passing CHEM 2211 and have completed a majority of the course assignments but are unable to complete all university coursework during the current semester due to unforeseen personal and/or medical circumstances. An incomplete grade is not assigned to students who are able to complete their university coursework but choose not to complete chemistry due to poor performance. Franklin College bylaws state that students who are currently failing a course or have not completed a majority of course assignments are ineligible to be assigned a grade of "I."

UGA Well-Being Resources

College can be a wonderful experience that inspires new ideas, activates your imagination, and connects you to new people. It can also be challenging. Everyone is welcome in this class, and everyone needs help and support from time to time. There will be times when you feel like you have it all together and other times when it feels like things are falling apart. It is part of my job to celebrate with students when things are going well and to help them when they are struggling. While I'm not a therapist, I can support you and connect you to resources when you need additional help. If you would like to talk, please reach out to me.

UGA Well-Being Resources promote student success by cultivating a culture that supports a more active, healthy, and engaged student community. Anyone needing assistance is encouraged to contact Student Care & Outreach (SCO) in the Division of Student Affairs at 706-542-8479 or visit <https://sco.uga.edu>. Student Care & Outreach helps students navigate difficult circumstances by connecting them with the most appropriate resources or services. They also administer the Embark@UGA program which supports students experiencing, or who have experienced, homelessness, foster care, or housing insecurity. UGA provides both clinical and non-clinical options to support student well-being and mental health, any time, any place. Whether on campus, or studying from home or abroad, UGA Well-Being Resources are here to help.

- Well-Being Resources: <https://well-being.uga.edu>
- Student Care and Outreach: <https://sco.uga.edu>
- University Health Center: <https://healthcenter.uga.edu>
- Counseling and Psychiatric Services: <https://caps.uga.edu> or 24/7 crisis support at 706-542-2273
- Health Promotion/ Fontaine Center: <https://healthpromotion.uga.edu>
- Accessibility and Testing: <https://accessibility.uga.edu>

Additional information, including free digital well-being resources, can be accessed through the UGA app or by visiting <https://well-being.uga.edu>.

FERPA Notice

The Federal Family Educational Rights and Privacy Act (FERPA) grants students certain information privacy rights. See the registrar's explanation at <https://osas.franklin.uga.edu/ferpa-and-privacy> FERPA allows disclosure of directory information (name, address, telephone, email, date of birth, place of birth, major, activities, degrees, awards, prior schools), unless a [FERPA Request For Restriction](#) form is submitted to the Registrar's Office.

Tentative Course Schedule (Subject to Alteration Throughout Semester)

This is a tentative, approximate order and pacing for readings and assignments. Your instructor will keep you updated on the material that will be tested on each exam as the exam date approaches.

Week	Dates	Topics	Quiz	Recitation	Notes
1	1/12 – 1/16	Ch. 1	None	R0 (Bonus) due T 1/20.	No Recitation Meetings F 1/16: Add/Drop Deadline
2	1/19 – 1/23	Ch. 2	Q1 due 1/20	R1 due 1/24	M 1/19: MLK, Jr. Day (No Classes) No Recitation Meetings
3	1/26 – 1/30	Ch. 4	Q2 due 1/27	R2 due 1/31	
4	2/2 – 2/6	Ch. 5 Ch. 24.1 – 24.4	Q3 due 2/3	R3 due 2/7	
	Exam 1: Wednesday, February 4th, 6:30 – 8:00 PM Chapters 1, 2, and 4				
5	2/9 – 2/13	Ch. 14	Q4 due 2/10	R4 due 2/14	
6	2/16 – 2/20	Ch. 15	Q5 due 2/17	R5 due 2/21	
7	2/23 – 2/27	Ch. 6	Q6 due 2/24	R6 due 2/28	
	Exam 2: Wednesday, February 25th, 6:30 – 8:00 PM Chapters 5, 14, and 15				
8	3/2 – 3/6	Ch. 3	Q7 due 3/3	R7 due 3/7	
Spring Break: March 9th – March 13th (No Classes or Recitations)					
9	3/16 – 3/20	Ch. 7	Q8 due 3/17	R8 due 3/21	
10	3/23 – 3/27	Ch. 8	Q9 due 3/24	R9 due 3/28	
	Exam 3: Wednesday, March 25th, 6:30 – 8:00 PM Chapters 3, 6, and 7				
11	3/30 – 4/3	Ch. 9	Q10 due 3/31	R10 due 4/4	
12	4/6 – 4/10	Ch. 10	Q11 due 4/7	R11 due 4/11	Th 4/9: Withdrawal Deadline
13	4/13 – 4/17	Ch. 11	Q12 due 4/14	R12 due 4/18	
	Exam 4: Wednesday, April 15th, 6:30 – 8:00 PM Chapters 8, 9, and 10				
14	4/20 – 4/24	Wrap-Up	Q13 due 4/21	R13 due 4/25	
15	4/27 – 5/1	---	None	None	No Classes No Recitation Meetings
	Cumulative ACS Final Exam: May 1st, 7:00 – 8:50 PM				