

**SYLLABUS**  
**ORGANIC CHEMISTRY 307 FALL 2022**

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**LECTURE TIMES AND LOCATIONS:**

<u>Sections</u>	<u>Day</u>	<u>Time</u>	<u>Location</u>
<b>31 - 39</b>	MW	3:50p – 5:10p	ARC 103
<b>41 - 45</b>	MTh	12:10p – 1:30p	HCK-101
<b>51 - 56</b>	T-Th	7:30p – 8:50p	HLL-114

**RECITATION TIMES AND LOCATIONS:**

Please refer to “Recitation Times and Locations” page on Canvas Course Site

**NOTE 1:** Recitations will start the week of **September 12<sup>th</sup>, 2022.**

**Mask Requirement:**

In order to protect the health and well-being of all members of the University community, masks must be worn by all persons on campus when in the presence of others (within six feet) and in buildings in non-private enclosed settings (e.g., common workspaces, workstations, meeting rooms, classrooms, etc.). Masks must be worn during class meetings; any student not wearing a mask will be asked to leave.

Masks should conform to CDC guidelines and should completely cover the nose and mouth: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/about-face-coverings.html>

**IT Requirements:**

**This course requires that you have access to high-speed internet, a computer/laptop/tablet (but not one with a mobile OS) with webcam and microphone.** If the course IT requirements are not accessible to you, please reach out to the Dean of Students [deanofstudents@echo.rutgers.edu](mailto:deanofstudents@echo.rutgers.edu). They may be able to direct you to assistance.

**Textbook:** *Organic Chemistry* by Thomas N Sorrell 2<sup>nd</sup> Edition (required) and *Solutions to Exercises Organic Chemistry* by Thomas N Sorrell 2<sup>nd</sup> Edition (required). Order information for the hard and electronic copies is provided at the end of this document.

ISBN: 978-1-891389-38-2 (textbook); 978-1-891389-91-7 (eBook); 978-1-891389-47-4 (textbook + solutions manual); 978-1-891389-40-5 (manual only)

**Homework:** All homework drawn from the textbook is answered and explained in the study guide. **Lecturers may assign additional homework.** A significant portion of the exam questions are modeled after assigned homework. See also *Assigned Homework per chapter*, after lecture and exam schedule.

**Other Materials:** Molecular models (required)

**Prerequisites:** Grade "C" or better in General Chemistry 01:160:161-162.

**Exclusions:** Credit is not given for both 01:160:209 (Elementary Organic Chemistry) and 01:160:307-308. Credit is not given for both 01:160:307-308 and 01:160:305-306 or 01:160:315-316 (Honors Organic Chemistry).

**Lecture:** **Lecture attendance is mandatory.**

**Recitation:** Each student is assigned to a specific 55-minute recitation. **Recitation attendance is mandatory** and students must attend their assigned section. Recitations have been designed such that students can ask questions, converse with the instructor, review material and have more faculty contact than is normally possible in the lectures. Recitations are especially useful for reviewing problems of the sort that will appear on exams.

**NOTE 2:** Recitations will review specific content, some of which will be selected for inclusion on exams.

#### EXAMS:

**General:** All exams are planned for **in person and to be closed book**, with no electronic device access. Physical molecular models are allowed.

**Mid-term exams:** There will be three mid-term exams during the semester. All mid-terms exams will be given on Sundays. The dates are indicated in the lecture schedule. These exams will be worth 100 points each. All Mid-term exams are on **Sundays from 3 - 4:20 pm EST.**

**Final Exam:** The final exam is on **December 19<sup>th</sup>, 2022 from 12 noon – 3 pm** (<https://scheduling.rutgers.edu/scheduling/exam-scheduling/final-exam-schedule/final-exam-schedule-fall-2022> ). This exam will be worth 200 points.

**Grades:** The final grade will be determined from the total points accumulated from the exams (maximum of 500 points).

**NOTE 3:** At least 20% (20 points) of each midterm will be based on recitations and self-assessments

Three mid-term exams	300 Points (3 x 100)
Final Exam	200 Points
<b><u>Total points</u></b>	500 Points

Historically, the average grade for the course has been near a C+. Similarly, the average points earned on a midterm exam will be near the midrange of a C+. The numerical point values earned at mid-term exams will not be converted to letter grades – only the total points earned in all exams will be converted.

**Exam regrade request:** For Midterm Exams, the instruction team will be happy to consider regrading requests submitted within 5 days from the time the grades are released **through GradeScope**. However, late request will not be accommodated.

**Exam Conflict:** If a student has a Final Exam conflict he/she **MUST notify the course administrator before 09/20/2022 of such conflict(s)**. [Please, see [RU Final Exam Policies](#) Rule#4 for what constitutes a final exam conflict.]

**Missed Exam:** **There are no makeup mid-term exams.** Exams must be taken at the scheduled times. Only excusable reasons will be considered (illness or death in the family). **To be excused from an exam**, you need to:

1. Fill out a self-reported absence form, available at <https://sims.rutgers.edu/ssra>. For Sunday exams, enter the start date as the preceding Friday and end date as the following Tuesday *if the system do not recognize the exact exam date*.
2. Provide a letter of excuse **within 3 days of the exam** from the Dean of Students Office ([deanofstudents@echo.rutgers.edu](mailto:deanofstudents@echo.rutgers.edu)).

**NOTE 4:** If you miss an exam you will get 0 points. However, an excused mid-term exam will be dropped; if you have an excused absence from the final exam you must take the Makeup Final (usually set for approximately 7 days after the original final exam). There is no makeup for the Makeup Final.

**Special Needs:** ALL requests for extend time and/or other special accommodations for exams are exclusively handled through the Office of Disability Services (ODS) (<http://disabilityservices.rutgers.edu/>). Letters of Accommodation (LOAs) should be sent by ODS to the course administrator as soon as they are available and/or updated. You will receive an email acknowledgement from the course administrator. If you do not receive the acknowledgement within two weeks, forward your LOA directly to the course administrator at [kimphuong.le@rutgers.edu](mailto:kimphuong.le@rutgers.edu).

**Academic Integrity:** Students are expected to maintain the highest level of academic integrity. Use of external sources in exams is cheating and a violation of the University Academic Integrity policy. Cheating in the course may result in penalties ranging from an F for the course, or expulsion from the University. **Posting of homework assignments, exams, recorded lectures, or other lecture materials to external sites without the permission of the instructor is a violation of copyright and constitutes a facilitation of dishonesty, which may result in the same penalties as explicit cheating.** Violations will be reported and all University policies on academic integrity will strictly be enforced. A copy of the most current Academic Integrity Policy can be found at: <https://studentconduct.rutgers.edu/processes/academic-integrity>

**Canvas Website:** We will be using Canvas <https://canvas.rutgers.edu> as our classroom management system. You will need a NetID to log in. Rutgers students registered in this course are automatically members of the course site. **You should check this site regularly, carefully track all announcements** and access the syllabus, course and exam schedule, lecture notes and videos, learning goals, practice problems/homework assignments, self-assessments, and exam keys.

**Announcements:** Important messages or announcements from the instructor to the class will be posted under Announcements on Canvas. It is important that you **do not opt out** of receiving Canvas messages and that you routinely check your Rutgers e-mail account.

**Postings:** Exam scores will be posted on the Rutgers GradeScope course site. Exam answer keys and all other course information will be posted on the Canvas course site.

**Help Desk:** Please contact the OIT Help Desk for any IT-related issue, including Canvas and GradeScope questions: <https://it.rutgers.edu/help-support>

### **I HAVE A QUESTION ABOUT CHEM 307, TO WHOM SHOULD IT BE ADDRESSED?**

There are many members of the teaching team for Chem 307. There is one Course Coordinator, one Course Administrator, three lecturers, and several recitation instructors. Additionally, we work closely with the Vice-Chair of the Undergraduate Program and his staff. Team members focus on different aspects of the course, you should direct your questions as indicated below. **If you address your question to the wrong person** (e.g. the Coordinator or Vice-Chair) **it may go unanswered.**

- **Address lecture- and book-content questions as well as homework questions** to recitation instructors (by email, during recitation, or office hours) or to the lecturer (during office hours only). We recommend such emails be sent to recitation instructors rather than lecturer because the email volume may be very high for the lecturer.
- **Address issues related to exam conflicts, LOAs, etc.,** to the Course Administrator, Prof. Kim-Phuong Le, [kimphuong.le@rutgers.edu](mailto:kimphuong.le@rutgers.edu); if the issue is related to recitation, copy your recitation instructor.

## STUDY GROUPS:

All students are strongly encouraged to be part of a study group that meets at least once a week to study and share together. Student surveys indicate that participation in study groups usually translates to an additional 5-10 points earned on each exam. One of the most successful Study Group types we have had is led by Learning Assistants (LAs) and run by the Learning Center. This program serves both as a study group and, because of the active learning leadership of the LA, each student is given the opportunity to enhance their learning through improved strategies for studying. Join a study group! Create one or sign up for a study group with an Learning Assistant. If you wish to join an LA study group, follow this link and fill out the appropriate form: <https://rlc.rutgers.edu/student-services/study-groups>

## LECTURE & EXAM SCHEDULES:

Please refer to "Lecture and Exam Schedules" module on Canvas Course Site

## ASSIGNED HOMEWORK PER CHAPTER:

Homework is not graded for points but is used to guide the creation of exams.

*Don't fool yourself by memorizing answers. Remember, it is not the answer but how to arrive at the answer that enables success in organic chemistry. Read through the chapter and do the homework problems as you encounter them. When you're stuck, do NOT look at the solutions manual, instead refer back to the relevant section (you read through the chapter and are familiar with the sections, right?) and then work through the problem. Only look at the solutions manual to check your answers.*

Homework for Ch. 1-12 ASSIGNED LAST YEAR BASED ON COMPARISONS WITH THE CORE LEARNING GOALS (All answers are in the Solutions Manual.)

- Ch. 1: problems 1-38
- Ch. 2: problems 1-32
- Ch. 3: problems 1-29 (except 26)
- Ch. 4: problems 1-36
- Ch. 5: problems 1-35 (except 14,15, 19, 20, 32, 33a)
- Ch. 6: problems 1-25
- Ch. 7: problems 1-29 (except 10, 29c)
- Ch. 8: problems 1-28 (except 22)
- Ch. 9: problems 1-34 (except 11, 13, 14, 19)
- Ch. 10: problems 1-24 (except 15)
- Ch. 11: problems 1-27 (except 25, 26, 27a)
- Ch. 12: problems 1-34 (except 8, 9, 15, 16, 19b,c, 25, 27f,g,i, 29, 30b,c, 31-33, 35)

## INSTRUCTIONS FOR PURCHASING THE CHM 307/308 TEXTBOOK AND SOLUTIONS MANUAL:

- *Organic Chemistry by Thomas N Sorrell 2nd Edition (this text is required)*
- *Solutions to Exercises Organic Chemistry by Thomas N Sorrell 2<sup>nd</sup> Edition (this solutions manual is required)*

There are three options for Rutgers students to purchase the text and solutions manual:

### 1. Rutgers University Book Store

You can purchase through the Rutgers University Book Store, which offers new or used book/solution manuals as well as an option to rent book/solutions manual for the duration of the course. You can also purchase an eBook.

### 2. Direct Order of eBooks; 35% Discount

[RedShelf.com](https://redshelf.com), has created a special portal with discounted prices for Rutgers students taking CHM307/308. These prices are 35% off the regular eBook prices. You can get these prices by ordering directly at: <https://rutgers.redshelf.com/>

### 3. Direct Order of Printed Books from University Science Books = 35% Discount

You can order printed books directly from University Science Books (USB) at a 35% discount + Shipping.

\*Print Sorrell Organic Chemistry Textbook, 978-1-891389-38-2: \$88 + Shipping. Includes matching free eBook subscription.

\*Print Sorrell Org. Chem Solutions Manual, 978-1-891389-40-5 : \$26 + Shipping, includes matching free eBook subscription.

#### **Ordering instructions:**

Call 1-703-661-1572 to order directly from the University Science Books fulfillment center with credit card. Prices listed above do not include shipping.

1. Notify the sales agent that you are a Rutgers student eligible to receive a 35% discount off the Sorrell books, and provide this coupon code: **RUTG35**
2. Provide the sales agent valid credit card number, shipping address, and rutgers.edu email address.