

## Syllabus for ORGANIC CHEMISTRY 307 (31-40) Fall 2021

**Note:** This lecture and the respective recitations associated with it are ONLY for students enrolled in 31-40 sections of Chemistry 307 Fall 2021. Students enrolled in the 41- 48 or 51-57 sections MUST attend their respective lectures and the recitations associated with that course. **Different instructors teach these courses, have different schedules, different exams and will be graded separately.**

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## LECTURE TIME AND LOCATION:

<u>Sections</u>	<u>Day</u>	<u>Time</u>	<u>Location</u>
31 – 40	MW	3:00 PM – 4:20 PM	Online

Lecture direct link:

<https://rutgers.zoom.us/join/joinMeetingUrl>

## RECITATION TIMES AND LOCATIONS

Sections	Time	Location	Instructor	Email
31	Th 9:00 - 9:55 am	COR-101	Jayati Halder	jhaldermal@gmail.com
32	Th 9:00 - 9:55 am	PH-111	Kiranjot Sethi	kjsethi@chem.rutgers.edu
34	M 1:00 - 1:55 pm	CCB-1203	Kiranjot Sethi	kjsethi@chem.rutgers.edu
35	M 5:00 - 5:55 pm	COR-101	Kim-Phuong Le	<a href="mailto:Kimphuong.le@rutgers.edu">Kimphuong.le@rutgers.edu</a>
36	M 1:00 - 1:55 pm	PH-111	Kim-Phuong Le	<a href="mailto:Kimphuong.le@rutgers.edu">Kimphuong.le@rutgers.edu</a>
37	M 5:00 - 5:55 pm	SEC-118	L. Jimenez	<a href="mailto:jimenez@chem.rutgers.edu">jimenez@chem.rutgers.edu</a> dr_jz@comcast.net
38	M 5:00 - 5:55 pm	PH-111	Anima Ghosal	ghosala@aol.com
39	W 1:00 - 1:55 pm	EN-B120	L. Jimenez	<a href="mailto:jimenez@chem.rutgers.edu">jimenez@chem.rutgers.edu</a> dr_jz@comcast.net
40	Th 9:00 - 9:55 pm	Online <i>See link below</i>	Anima Ghosal	ghosala@aol.com

All lectures, recitation section 40, and office hours are offered live online (synchronous remote). Links will be provided under Syllabus Module on Canvas. For any technical issues, please reach out to <https://it.rutgers.edu/help-support>.

Section 40 Direct Link:

<https://meet124.webex.com/join/joinMeetingUrl>

**Recitation Sections 31 – 39 are offered in person.**

**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>

Each day before you arrive on campus or leave your residence hall, you must complete the brief survey on the My Campus Pass symptom checker self-screening app.

**IT Requirements:** The course will be taught online but will still be conducted with live, interactive lectures, recitations, and office hours. Exams will start and end at specific times and all students are expected to take these assessments at the same time. We generally refer to this format as remote synchronous instruction. Online tools for student authentication and test-taking (e.g., Proctortrack, ProctorU, Respondus), or some alternative validation method, will be used. **This course therefore 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 01:160:160, 162, or 164. 01:160:307 does not substitute for 01:160:209. Credit not given for both 01:160:307-308 and 305-306 or 315-316.

**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 and 01:160:315-316 (Honors Organic Chemistry).

**Lecture:** **Lecture attendance is mandatory.** Lecture attendance will be checked using a system which requires online login with a cellphone, tablet, or computer. Therefore, to each lecture, students should bring a cellphone, tablet or computer. Attendance will be considered for borderline final grade assignments.

**Recitation:** Each student is assigned to a specific 55-minute recitation. **Recitation attendance is mandatory**, attendance will be taken, 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:** Recitations will introduce specific content – not necessarily reviewed in the lecture – that may be selected for inclusion on exams.

**Recorded lectures:** The recorded lectures or links will be available on Canvas.

**EXAMS:**

**General:** *All exams are open book/open notes, Students are expected to do their own work /exams without consulting anyone or any interactive source, including Canvas resources during Exam.*

Molecular models may be used during the exams.

**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 online and are given on **Canvas on Sundays from 3-4:30 pm.**

**Final Exam:** The final exam will be given on **Monday December 20, 2021 from noon-3 pm.** This exam will be worth 200 points.

Link to Canvas site is: <https://canvas.rutgers.edu>

**Note: For any technical difficulty during exam, immediately reach out to OIT Help Desk for support and inform the administrator about the issue.**

**Exam regrade request:** For Midterm Exams must be submitted within 3 days of receiving the grades. The regrading request later than that will not be accommodated.

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

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. After each exam, the average and standard deviation statistics will be posted in an Announcement.

**Exam Conflict:** If a student has a Final Exam conflict he/she **MUST notify the course administrator before 9/24/2021 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 must fill out a self-reported absence form, available at <https://sims.rutgers.edu/ssra>, *and* you must provide a letter of excuse *within 3 days of the exam* from your Academic Dean. Unexcused missed exams will result in a score of zero (0) for that exam. For excused exams, the score will be temporarily assigned as zero (0) and will be replaced by the average of the other exams.

**Special Needs:** Any student requiring extra time and/or other unusual testing accommodations must provide documentation supporting their circumstances and needs directly to the course administrator during the first week of classes, or immediately after these needs have been documented. ALL requests for extend time and/or other special accommodations for exams must be handled through the Office of Disability Services (<http://disabilityservices.rutgers.edu/>).

**Academic Integrity:** Students are expected to maintain the highest level of academic integrity. Use of external sources to obtain solutions to homework assignments or exams is cheating and a violation of the University Academic Integrity policy. Cheating in the course may result in penalties ranging from a zero on an assignment to 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 current Academic Integrity Policy, which went into effect on September 1, 2013, can be found at:

<http://studentconduct.rutgers.edu/student-conduct-processes/academic-integrity/>

**Canvas Website:** We will be using Canvas as our classroom management system. You should check this site regularly and carefully track all Announcements. A number of documents have been posted, including the schedule of classes and notes and exercises for the first few lectures. You will need a NetID to log in. Rutgers students registered in this course are automatically members of the online class. Key Canvas locations are Modules and Grades. Under Modules, you will find this syllabus, course schedule, lecture notes and videos, learning goals, and practice problems/homework assignments for each chapter, exam keys, etc. Under Grade you will find your exam scores, etc. Exam scores will be posted by the Administrator.

**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 only on the Rutgers Canvas site. Exam answer keys and all other course information will also be posted on the Canvas web site

**Help Desk:** Students should contact the OIT Help Desk. For tech help with Canvas: please visit <https://it.rutgers.edu/help-support>.

## **I HAVE A QUESTION ABOUT CHEM 307 SECTION 31-40, TO WHOM SHOULD IT BE ADDRESSED?**

There are many members of the teaching team for Chem 307. There is one Course Coordinator, three lecture sections and two lecturers, 9 recitation instructors and 22 separate recitation sections. 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.
- ***To be excused from lecture***, you must fill out a self-reported absence form, available at <https://sims.rutgers.edu/ssra>. Send to the course administrator Kim-Phuong Le, [kimphuong.le@rutgers.edu](mailto:kimphuong.le@rutgers.edu)
- ***Address issues related to exam conflicts, regrades, etc.***, to the Course Administrator, 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**

In the Fall semester students again will have the opportunity to enhance their learning and understanding by signing up for study groups with experienced students as Learning Assistants. If you wish to join a study group, follow this link: <https://rlc.rutgers.edu/student-services/study-groups>

## LECTURE & EXAM SCHEDULE

<b>Chemistry 307 Fall 2021: Section: 31-40 - Course Schedule</b>		
<b>Lecture</b>	<b>Date</b>	<b>Chapter</b>
1	Wednesday, September 1, 2021	Chapter 1
2	Wednesday, September 8, 2021	Chapter 1
3	Monday, September 13, 2021	Chapter 2
4	Wednesday, September 15, 2021	Chapter 2
5	Monday, September 20, 2021	Chapter 3
6	Wednesday, September 22, 2021	Chapter 3
7	Monday, September 27, 2021	Chapter 4
8	Wednesday, September 29, 2021	Chapter 4
	<b>Sunday, October 3, 2021</b>	<b>Exam 1</b>
9	Monday, October 4, 2021	Chapter 5
10	Wednesday, October 6, 2021	Chapter 5
11	Monday, October 11, 2021	Chapter 6
12	Wednesday, October 13, 2021	Chapter 6
13	Monday, October 18, 2021	Chapter 7
14	Wednesday, October 20, 2021	Chapter 7
15	Monday, October 25, 2021	Chapter 8
16	Wednesday, October 27, 2021	Chapter 8
	<b>Sunday, October 31, 2021</b>	<b>Exam 2</b>
17	Monday, November 1, 2021	Chapter 9
18	Wednesday, November 3, 2021	Chapter 9
19	Monday, November 8, 2021	Chapter 10
20	Wednesday, November 10, 2021	Chapter 10
21	Monday, November 15, 2021	Chapter 11
22	Wednesday, November 17, 2021	Chapter 11
	<b>Thanksgiving Break [Nov 22 – 30]</b>	
23	Wednesday, Dec 1, 2021	Chapter 12
	<b>Sunday, Dec 5, 2021</b>	<b>Exam 3</b>
24	Monday, December 6, 2021	Review
25	Wednesday, December 8, 2021	Review
	<b>December 20, 2021</b>	<b>Final Exam</b>

## **Homework**

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 1-38q
- 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 CHM307-308 TEXTBOOK AND SOLUTIONS MANUAL FOR FALL 2021

- *Organic Chemistry by Thomas N Sorrell 2<sup>nd</sup> 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.

Textbook: Rent Used \$47; Rent New \$68; Buy Used \$75; Buy New \$100; eBook \$100

Solutions Manual:

Rent Used \$17.75; Rent New \$30.80; Buy Used \$28; Buy New \$37.35

### 2. 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:

Print Sorrell Organic Chemistry Textbook: \$88 + **Shipping**. Includes matching free eBook subscription.

Print Sorrell Org. Chem Solutions Manual: \$25 + **Shipping**, Includes matching free eBook subscription.

Here are ordering instructions:\*

Browse to the USB secure online order page

at <https://www.uscibooks.com/forms/winBookWebOrders.php>

Find the **Sorrell** book listings in the dropdown menu

Fill out the order form using a "[Rutgers.edu](https://www.rutgers.edu)" email address

Locate the box at the bottom of the form that says ADDITIONAL INSTRUCTIONS AND DISCOUNT CODES

Enter this discount code: **35% off for RUTGERS student**

*\*Note: Students who order print books from our online website will also be offered a complimentary access code to the eBook.*

*\*Notes: The online order form automatically lists a 15% discount, but the warehouse will increase the discount to 35% before the order is processed.*

### 3. Direct Order eBook; **35% Discount**

[RedShelf.com](https://www.redshelf.com), has created a special portal with discounted prices for CHM307/308 students.

These prices are 35% off the regular eBook prices. You can get these prices by ordering directly at: <https://redshelf.com/book/1573170> or <https://redshelf.com/book/1573169>