

Syllabus for ORGANIC CHEMISTRY 307 (41-45) Fall 2020

Note: This lecture and the respective recitations associated with it are ONLY for students enrolled in 41-45 sections of Chemistry 307 Fall 2020. Students enrolled in the 31-39 or 51-56 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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Administrator: Kiranjot Sethi

Vice-Chair, Undergraduate Program in Chemistry and Chemical Biology:

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Lecture time and location:

<u>Sections</u>	<u>Day</u>	<u>Time</u>	<u>Location</u>
41 – 45	MTh	12:30 PM – 02:00 PM	Online eLearning

Recitation Times and Locations

Sections	Time	Location	Instructor	Email
41	F 2:30pm-3:25pm	Online	Hongmei Zhang	hmzhang@chem.rutgers.edu
42	M 11:10am-12:05pm	Online		
43	M 2:30pm-3:25pm	Online	Prof. Ralf Warmuth	warmuth@chem.rutgers.edu
44	Th 11:10am-12:05pm	Online	Kiranjot Sethi	kjsethi@chem.rutgers.edu
45	Th 2:30pm-3:25pm	Online	Kiranjot Sethi	

All Lectures and Recitations are Live at elearning

Direct link elearning login: <https://my.elearning.rutgers.edu/#/>

For any technical issues, please reach out to elearning tech support:

<https://techsupport.elearning.rutgers.edu>

IT Requirements: The course will be taught online but will still be conducted with live, interactive lectures, recitations, and office hours. Quizzes and 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. They may be able to direct you to assistance.

Textbook: *Organic Chemistry* by Thomas N Sorrell 2nd Edition (required) and *Solutions to Exercises Organic Chemistry* by Thomas N Sorrell 2nd 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 (*very strongly recommended*)

Prerequisites: Grade “C” or better in Organic Chemistry 1 (01:160:307).

Exclusions: Credit is not given for both 01:160:209 (Elementary of 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. Recitation attendance will be especially relevant for borderline final grade assignments.

Recorded lectures: All recorded lectures will be available under ‘**Media Gallery**’ on Sakai.

Exams: **General: All exams are closed book, and students are not allowed to share information in any way.**

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 during lecture time. The dates are indicated in the lecture schedule. These exams will be worth 100 points each, consisting of multiple choice and short answer questions.

Final Exam: The final exam will be given on Thursday December 17, 2020 from 12 PM to 3 PM. This exam will consist of two parts: Common assessment worth 100 points and cumulative exam worth 200 points, for a **total of 300 points**.

All Exams are online and are given on **Canvas**, in lecture time.

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

Note: For any technical difficulty during exam, immediately reach out to Canvas 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 600 points).

Three mid-term exams	300 Points (3 x 100)
Final Exam	
• Common Assessment	100 Points
• Cumulative Exam	200 Points
<u>Total points</u>	600 Points

Historically, the average grade for the course has been near a C+. It is difficult to identify cut-offs from a subset of points without knowing more about the details of the exam and student performance on specific questions, but a reasonable guide is that the average points earned on a midterm exam will be near the midrange of a C+. Quizzes, etc., are even more difficult to gauge since they may serve purposes other than assessment. For example, they are sometimes used to determine attendance. After each exam, the average and standard deviation statistics will be posted in an Announcement.

Exam Conflict: All Mid Term exams and weekly quizzes are given during the lecture time. Therefore, there are no conflict for any quiz or exam. If a student has an Final Exam conflict he/she **MUST notify the lecturer Kiranjot Sethi (kjsethi@chem.rutgers.edu) before 9/20/2020 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 Professor Kiranjot Sethi 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/>

Sakai Website: We will be using Sakai (URL: <http://sakai.rutgers.edu/>) as a classroom management system. You should check this site regularly. The first week of classes you will find a number of documents posted. You will need a NetID to log in, so make sure that you have one for this site. If you are registered in this course and are a Rutgers student, you will automatically be a member of the online class. Two key Sakai locations are Resources and Gradebook. Under Resources, you will find this syllabus, course schedule, lecture notes, Under Gradebook you will find your exams scores.

Announcements: Any important messages or announcements from the instructors to the whole class will be delivered via the course Sakai site and will be logged in Announcements within Sakai. **It is important that you do not opt out of receiving Sakai messages and that you routinely check your Rutgers e-mail account.**

Postings: Exam scores will be posted only on the Sakai site for this course (in the Gradebook). Additional course information, if any, will also be posted at this site. Final grades will be posted on the PostEm on the Sakai site. No grades will be posted on the Canvas

I have a question about Chem 307 Section 41-45, to whom should it be addressed?

There are many members of the teaching team for Chem 307. There is one Course Coordinator, , three lecturers and three lecture sections, and nine recitation instructors and 19 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 it will go unanswered** (e.g. the Coordinator or Vice-Chair).

- *Address lecture- and book-content questions as well as homework questions* to Recitation Instructors (by email, during recitation, or office hours) or to Lecturers (during office hours only). We recommend such emails be sent to recitation instructors rather than lecturers because the email volume may be very high for the lecturers.
- *To be excused from lecture*, you must fill out a self-reported absence form, available at <https://sims.rutgers.edu/ssra>. Send to: Kiranjot Sethi kjsethi@chem.rutgers.edu
- *Address issues related to exam conflicts, regrades, etc.*, to the Course Administrator, and if the issue is related to recitation – copy your recitation instructor.
Administrator: Kiranjot Sethi email: kjsethi@chem.rutgers.edu

STUDY GROUPS

The link to follow if you wish to join the study groups:

<https://rlc.rutgers.edu/student-services/study-groups>

LECTURE & EXAM SCHEDULE

Chemistry 307 Fall 2020: Section: 41-45 - Course Schedule		
Lecture	Date	Chapter
1	Thursday, September 3, 2020	Chapter 1
2	Tuesday, September 8, 2020	Chapter 1, 2
3	Thursday, September 10, 2020	Chapter 2
4	Monday, Sept 14 2020	Chapter 3
5	Thursday, September 17, 2020	Chapter 3, 4
6	Monday, September 21, 2020	Chapter 4
7	Thursday, September 24, 2020	Chapter 5
	Monday, September 28, 2020	Exam 1
8	Thursday, October 1, 2020	Chapter 5
9	Monday, October 5, 2020	Chapter 6
10	Thursday, October 8, 2020	Chapter 6
11	Monday, October 12, 2020	Chapter 7
12	Thursday, October 15, 2020	Chapter 7
13	Monday, October 19, 2020	Chapter 8
14	Thursday, October 22, 2020	Chapter 8
	Monday, October 26, 2020	Exam 2
15	Thursday, October 29, 2020	Chapter 9
16	Monday, November 2, 2020	Chapter 9
17	Thursday, November 5, 2020	Chapter 10
18	Monday, November 9, 2020	Chapter 10
19	Thursday, November 12, 2020	Chapter 11
20	Monday, November 16, 2020	Chapter 11
21	Thursday, November 19, 2020	Chapter 12
22	Monday, November 23, 2020	Chapter 12
	Thanksgiving Break	
	Monday, November 30, 2020	Exam 3
23	Thursday, December 3, 2020	Synthesis Problems
24	Monday, December 7, 2020	Synthesis Problems, Review
25	Thursday, December 10, 2020	Review
	Thursday, December 17, 2020	Final Exam

Homework

Homework is not graded for points but is used to guide the creation of quizzes and 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 CHM307-308 Textbook
and Solutions Manual for Fall 2020**

- *Organic Chemistry by Thomas N Sorrell 2nd Edition (this text is required)*
- *Solutions to Exercises Organic Chemistry by Thomas N Sorrell 2nd Edition (this solutions manual is very strongly recommended)*

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://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://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://rutgers.redshelf.com/>