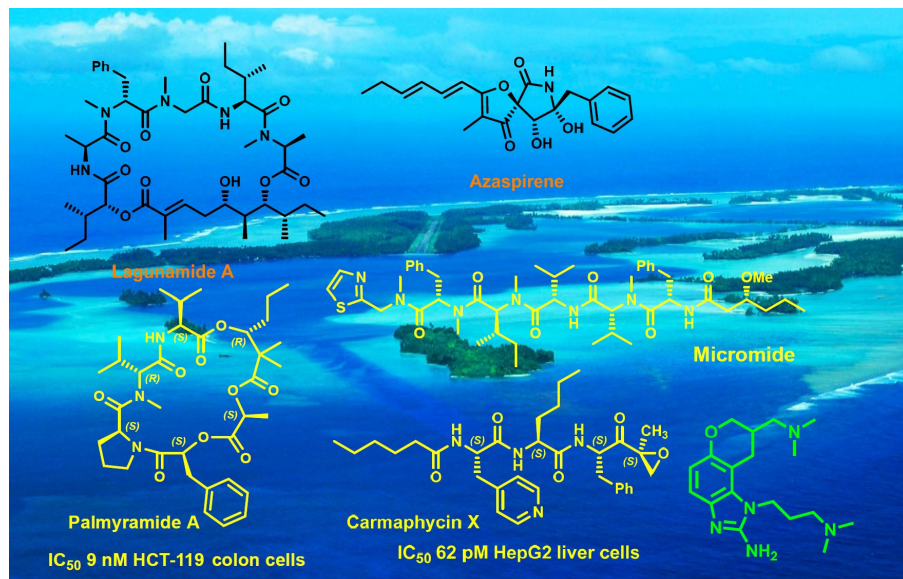


## CHEM232-01-02-CX-Summer2022

[Jump to Today](#)[Edit](#)

## CHEM 232 Organic Chemistry, Summer 2022



## Course Information

Instructor: Prof. Mike Bergdahl

[bbergdahl@sdsu.edu](mailto:bbergdahl@sdsu.edu) (<mailto:bbergdahl@sdsu.edu>) (answers asap or within 24 h following weekends)Office Location: **virtual meetings only**

Office Hours Times: Daily, 11-Noon

Office Hours Location: Zoom sessions

Meeting: First day via Zoom (Noon - 1:15pm)  
3pm (See below)

Lectures: Noon-1:15 PM (Previously Recorded and posted on Canvas)

Class Location: Online via zoom

<https://sdsu.instructure.com/courses/97132>

Synchronous Class

Synchronous Test Meetings via zoom: Noon - 2 (or

Canvas Course website:

## Immediate Access Course:

Chem 232 is an "Immediate Access Course": The required course materials for this class are provided in a digital format by the first day of classes and are free through the add/drop date, using *WileyPLUS for Organic Chemistry, by Solomons 12e*. WileyPLUS includes your eBook, and solutions manual. To access, click on the Wiley Course Resources link in the Canvas navigation menu. Your WileyPLUS account will be created automatically with the same email you used to sign into Canvas. Note that the eBook will be on the VitalSource eReader (not RedShelf). Your SDSU student account will then be charged a special reduced price for use of the materials for the remainder of the semester unless you opt-out of the content by 11:59 PM on June 2. Add-drop date is May 27. Please visit [www.shopaztecs.com/immediateaccess](http://www.shopaztecs.com/immediateaccess) ([Links to an external site.](http://www.shopaztecs.com/immediateaccess)) (<http://www.shopaztecs.com/immediateaccess>) for additional information about Immediate Access pricing, digital subscription duration, print add-ons, opting out and other frequently asked questions.

## Land Acknowledgment

For millennia, the Kumeyaay people have been a part of this land. This land has nourished, healed, protected and embraced them for many generations in a relationship of balance and harmony. As members of the San Diego State University community, we acknowledge this legacy. We promote this balance and harmony. We find inspiration from this land, the land of the Kumeyaay.

Dear Student!

Welcome to Chem 232, first semester organic chemistry offered as a synchronized compressed six week course. The lecture portion of course is completely on-line the red paragraph below relates to laboratory portion of the course (Chem 232L).

**Due to COVID-19 Pandemic there are rules that must be followed: You have to wear a face mask at all times when you are inside.** You have to either have uploaded proof of vaccination ([every student was notified through their SDSU email to do this before the semester started](#)) OR you must have been approved for an exemption from the vaccination requirement ([e.g. for medical or religious reasons](#)), in which case you have to get tested every week for COVID in order to be eligible to attend.

It is of the essence that you stay on top of things in this course, and one major issue are deadlines, and you will be penalized for late submission of material. The summer schedule moves very fast, so you will need to be on top of your responsibilities. Feel free to email your instructor or TA if you have any questions.

## Midterm Exams

Exam Format: On-line exams.

Friday, June 3, Noon – 2:00 pm PST.

Friday, June 17, Noon – 2:00 pm PST.

## Final Exam

Exam Format: On-line exam.

Friday, July 1, Noon – 3 pm PST. **The final exam is cumulative.**

## Prerequisites

A grade of "C" (Not "C-") or better from Chem 201 (SDSU) or corresponding chemistry course. If you have already taken and passed Chem 232 lab (232L) from a previous semester, please send proof to Prof. Bergdahl and a schedule number will be provided. If you have taken Chem 201, or similar course at a different university, we need to evaluate whether you have satisfied the prerequisites, please submit proof of what you have taken and what the class and lab entailed.

## Course Information

Updated information is available on the course Canvas site through SDSU. Students can enroll or being added from the waitlist only if space is available the first week of class. Zoom lectures will be recorded and posted the same day. A majority of the lectures are prerecorded and will be uploaded on the Canvas course site.

## Course Catalog Description

**Prerequisite(s): CHEM 201** ([https://catalog.sdsu.edu/content.php?filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse\\_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur\\_cat\\_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse\\_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur\\_cat\\_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse\\_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur\\_cat\\_oid=5](https://catalog.sdsu.edu/content.php?filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5))

with a grade of C (2.0) or better. Concurrent registration in **CHEM 232L** ([https://catalog.sdsu.edu/content.php?filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse\\_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur\\_cat\\_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse\\_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur\\_cat\\_oid=5](https://catalog.sdsu.edu/content.php?filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5&filter%5B27%5D=CHEM&filter%5B29%5D=232&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=5))

is not required this summer 2022.

## Scope and Purpose

This course is the first in a two-semester study of the fundamentals of organic chemistry. The course will focus on how to use molecular structure to predict and understand the properties and chemical reactivity of organic molecules, with examples drawn from industrial process chemistry, medicinal chemistry, and biological chemistry.

Students should meet the following **general learning outcomes** as a minimum requirement in order to pass the course. A detailed list of learning outcomes will be developed and provided chapter-by-chapter, throughout the semester.

1. Understand physical properties of organic compounds and fundamental chemical reactions in organic chemistry.
2. Determine bonding, hybridization, Lewis structures, three-dimensional structure, conformation, and stereochemistry of organic molecules.
3. Show chemical mechanisms for fundamental organic reactions using the curved arrow formalism ("arrow pushing").
4. Determine and differentiate various types of simple organic reactions, for example  $S_N1$ ,  $S_N2$ , E1 and E2 pathways, radical chain reactions, and additions to double bonds.
5. Understand the relationships between different functional groups and organic chemical reactions.
6. Identify examples of organic chemistry in common "daily life" situations or biochemical processes.
7. Be able to apply and use the outcomes above in more advanced courses such as upper division organic chemistry (CHEM 432), biochemistry, and more advanced organic chemistry courses.

## Course Outline, Assigned Reading and Highly Recommended Study Problems from Solomons

### 12e.

**Review:** Course material from Chem 201/200 (esp. fundamentals of chemical reactions, acidity/basicity, pka, hybridization, bonding, & resonance)

**Chapter 1: The Basics, Bonding and Molecular Structure.** Read pp. 1-54. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 47, 50

**Chapter 2: Families of Carbon Compounds.** Read pp. 55-85. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 46

**Chapter 3: Acids and Bases.** Read pp. 104-143. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Chapter 4: Nomenclature and Conformations of Alkanes and Cycloalkanes.** Read pp. 144-192. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 23, 24, 25, 26, 27, 28, 29, 33, 36, 37, 38, 39, 41, 43, 44, 45, 46

**Chapter 5: Stereochemistry.** Read pp. 193-239. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 44, 45, 46, 47, 48

**Chapter 6: Nucleophilic Reactions.** Read pp. 240-281. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 45, 46, 47

**Chapter 7: Alkenes and Alkynes I.** Read pp. 282-336. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44

**Chapter 8: Alkenes and Alkynes II.** Read pp. 337-390. Probl: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 53, 54, 59, 61

**Chapter 10: Radical Reactions.** Read pp. 448-488. Probl: 1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33

**Chapter 11: Alcohols and Ethers.** Read pp. 489-533. Probl: 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 52

## Adding/Dropping Procedures

May 27 is the last day to add/drop classes. To add a class during the schedule adjustment period, students can request a schedule number from the instructor. Please email the instructor for other circumstances.

## Essential Student Information

- Compliance with [CSU / SDSU vaccination and facial covering policies](https://newscenter.sdsu.edu/student_affairs/srr/covid-policies.aspx?) [.is required \(For 232L\).](https://newscenter.sdsu.edu/student_affairs/srr/covid-policies.aspx?)
- Your [SDSU email address](https://gsuite.sdsu.edu/) [.will be used for all course-related communications.](https://gsuite.sdsu.edu/)
- The [Student Conduct Code](https://newscenter.sdsu.edu/student_affairs/srr/conduct.aspx) [.prohibits conduct disruptive to instruction, including academic dishonesty and the unauthorized recording, dissemination, or publication \(including on websites or social media\) of lectures or other course materials.](https://newscenter.sdsu.edu/student_affairs/srr/conduct.aspx)
- SDSU provides disability-related accommodations via the Student Ability Success Center ([sascinfo@sdsu.edu](mailto:sascinfo@sdsu.edu) | [edu/sasc](http://sdsu.edu/sasc) [.http://sdsu.edu/sasc](http://sdsu.edu/sasc)).
- Please allow 10-14 business days for this process.
- The [Family Educational Rights and Privacy Act](http://bfa.sdsu.edu/hr/oerc/students/ferpa.aspx) [. \(FERPA\) mandates the protection of student information, including contact information, grades, and graded assignments. I will not post grades or leave graded assignments in public places. Students will be notified at the time of an assignment if copies of student work will be retained beyond the end of the semester or used as examples for future students or the wider public.](http://bfa.sdsu.edu/hr/oerc/students/ferpa.aspx)
- As an instructor, one of my responsibilities is to help create a safe learning environment on our campus. I am required to share information regarding sexual violence on SDSU's campus with the [Title IX](http://titleix.sdsu.edu) [. coordinator, Gail Mendez \(619-594-6464\), who will contact you to let you know about support services at SDSU and possibilities for holding accountable the person who harmed you. If you do not want the Title IX Officer notified, you can speak confidentially SDSU's Sexual Violence Victim Advocate \(619-594-0210\) or Counseling and Psychological Services \(619-594-5220, \[psycserv@sdsu.edu\]\(mailto:psycserv@sdsu.edu\) \(<mailto:psycserv@sdsu.edu>\)\).](http://titleix.sdsu.edu)
- Class rosters are provided to the instructor with the student's legal name. Please let me know if you would prefer an alternate name and/or gender pronoun.
- Need help finding an advisor, tutor, counselor, emergency economic assistance, or other support? Contact the [SDSU Student Success Help Desk](https://studentsuccess.sdsu.edu) [. Monday through Friday, 9:00 AM to 4:30 PM. For technical or computing assistance, contact the \[Library Computing Hub\]\(https://virtual-academic-help.sdsu.edu/technology\) \[.\]\(https://virtual-academic-help.sdsu.edu/technology\)](https://studentsuccess.sdsu.edu)

## Course Materials

Custom course materials (lecture slides, etc.) will be posted on Canvas. Do not share them in violation of copyright. See below, in orange text.

*Unauthorized recording or dissemination of virtual course instruction or materials by students, especially with the intent to disrupt normal university operations or facilitate academic dishonesty, is a violation of the Student Conduct Code. This includes posting of exam problems, the instructor's lecture slides and other original materials, or questions to online platforms. Violators may be subject to discipline.*

### Textbook

Organic Chemistry, 12e., by Solomons, Fryhle, and Snyder, Wiley Publ. 2016; ISBN: 978-1-119-66457-4, eBook with Study Guide and Solutions Manual to Accompany Organic Chemistry, 12e., by Solomons, Fryhle, and Snyder, Wiley Publ. 2016; ISBN-13: 978-1119077329. Material is available via "Immediate Access," including the required WileyPlus. You'll receive a registration code from the bookstore, or you can purchase access directly from Wiley when you access any WileyPLUS links from this course Canvas site. For an overview video on accessing these resources, [click here \(https://players.brightcove.net/4931690914001/default\\_default/index.html?videoid=6177746486001\)](https://players.brightcove.net/4931690914001/default_default/index.html?videoid=6177746486001).

### Electronic Homework

WileyPLUS is included with the eTextbook listed above and will be used for homework in this course.

**Other Learning Materials** Included in the outline above there is a list of highly recommended problems from each chapter found in the book. These problems encapsulate the nature of problems you will face on the exams. The key take-home from organic chemistry is the understanding of the topics, thus you should never memorize but rather understand and apply yourself. WORK THE PROBLEMS !!

**Old exams and Course Tools** On the following website: <http://www.chemistry.sdsu.edu/courses/CHEM232/> (<http://www.chemistry.sdsu.edu/courses/CHEM232/>) you will find a variety of useful tools (pKa chart, study skills, learning glass videos for chapters 1-5) and a library of old exams specifically created for Chem 232. The website is password protected and please try to keep it for your eyes only (username: chem232 password: markovnikov).

**Required Equipment** Computer webcam (Zoom) and microphone for office hours and for taking the exams.

## Course Structure and Conduct

The course will consist of pre-recorded virtual lectures with problem solving, assigned readings, electronic homework, and synchronous exams. Canvas will be used for all course management and communication.

## Course Assessment and Grading

There will be two **midterm exams** during the semester, each worth 90 points. The schedule is above.

The **final exam** is **cumulative** and is worth 200 points. If your final exam % score is better than any of your midterm exam scores, then your final exam score will be scaled to a total of 200 points and your lowest midterm exam score will be replaced with the % of the final exam. This policy has the effect of allowing your final exam grade to replace one midterm exam grade, but only if it would benefit you.

There will be **no make-up exams**. If you have to miss a midterm exam for any reason, then it will count as the dropped exam and be replaced with your final exam grade, as described in the preceding paragraph. Make sure you can take the exams at the assigned time and date BEFORE you sign up for this course!!

There will be a **chapter homework** assigned for each chapter using WileyPLUS.

Activity	Points
Midterm 1	90
Midterm 2	90
Homework	50
Final Exam	200
<b>TOTAL</b>	<b>430</b>

**Curving:** Curves may be applied to individual activities (exams, homework, etc.), but the total grade will not be curved.

**Letter Grades** will be assigned according to the following table. Scores will not be rounded.

Letter Grade	Minimum Score / 430
A	387
A-	365
B+	344
B	322
B-	301

C+	279
C	258
C-	236
D+	215
D	193
D-	172
F	0

## Students with Disabilities

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact Student Disability Services at (619) 594-6473. To avoid any delay in the receipt of your accommodations, you should contact Student Disability Services as soon as possible. Please note that accommodations are not retroactive, and that accommodations based upon disability cannot be provided until you have presented your instructor with an accommodation letter from Student Disability Services. Your cooperation is appreciated.

## Absences

- If you plan to be absent for a religious observance or holiday, notify me by the end of the first week of class.
- If you are absent more than five days due to illness or injury, you may contact [Student Health Services](http://shs.sdsu.edu/index.asp) (<http://shs.sdsu.edu/index.asp>) for help in communicating your absence.
- If you miss class because you have been diagnosed with or are required to quarantine due to exposure to COVID-19, contact [vpsafirstdesk@sdsu.edu](mailto:vpsafirstdesk@sdsu.edu) to notify the university.

## Academic Honesty

Academic honesty is always vital and special attention is warranted during the COVID-19 pandemic.

The University adheres to a strict policy regarding cheating and plagiarism. These activities will not be tolerated in this class. Become familiar with the policy at [https://newscenter.sdsu.edu/student\\_affairs/srr/conduct.aspx](https://newscenter.sdsu.edu/student_affairs/srr/conduct.aspx) ([https://newscenter.sdsu.edu/student\\_affairs/srr/conduct.aspx](https://newscenter.sdsu.edu/student_affairs/srr/conduct.aspx)). Any cheating or plagiarism will result in failing this class and a disciplinary review by Student Affairs. **Cheating, which includes unauthorized team work and the use of unauthorized resources or hired/voluntary help during exams, will not be tolerated.** I want you all to be proud of yourselves for working hard, learning lots, and doing a great job at a tough course, not ashamed of yourselves for having cheated in O Chem. I believe that everyone in this class has the ability and talent to do a great job and I'm committed to help you achieve your best, but there's no substitute for hard and honest work.

The University adheres to a strict [policy prohibiting cheating and plagiarism](http://go.sdsu.edu/student_affairs/srr/cheating-plagiarism.aspx) ([http://go.sdsu.edu/student\\_affairs/srr/cheating-plagiarism.aspx](http://go.sdsu.edu/student_affairs/srr/cheating-plagiarism.aspx)), including

- Copying, in part or in whole, from another's test or other examination.
- Obtaining copies of a test, an examination, or other course material without the permission of the instructor.
- Collaborating with another or others in coursework without the permission of the instructor.
- Falsifying records, laboratory work, or other course data.
- Submitting work previously presented in another course, if contrary to the policies of the course.
- Altering or interfering with grading procedures.
- Assisting another student in any of the above.
- Using sources verbatim or paraphrasing without giving proper attribution (this can include phrases, sentences, paragraphs and/or pages of work).
- Copying and pasting work from an online or offline source directly and calling it one's own.
- Using information found from an online or offline source without giving the author credit.
- Replacing words or phrases from another source and inserting one's own words or phrases.

Under CSU policy, instructors must report instances of academic misconduct to the Center for Student Rights and Responsibilities for disciplinary review by the University, which may lead to probation, suspension, or expulsion. Instructors may also, at their discretion, penalize student grades on any assignment or assessment discovered to have been produced in an academically dishonest manner.

## Labs

The lab coordinator for this class is Kevin Walsworth. Labs will be primarily face-to-face sessions with some virtual work. Labs are designed to provide essential lab skills while maintaining physical distancing and other safety strategies to prevent the spread of COVID-19. The modality of this lab course is subject to change in connection with evolving public health conditions and recommendations.

## Extra Help

Help is available in a variety of forms.

- Online discussions on this Canvas site
- Office hours
- Discussions with your TA and your TA's office hours
- Tutors (the Chemistry Office will publish a tutor list; check back here)

You are always welcome to join my office hours for help in a fun and positive group setting, but please make a strong effort to solve problems on your own or work with study groups because doing so will enhance your learning experience.

## Tips for Success

**Do not fall behind.** We will start with reviewing the fundamentals and build on them so that you can develop a deep understanding of how the structure of organic molecules determines their properties. Consequently, material later in the course will be much more difficult if you haven't mastered the material that comes first, and we will never move on to a point where you will not need the earlier material.

In our opinion, the most important skill for success is your ability to self-assess. Don't plan to study for a fixed number of hours. Plan to study for as long as it takes until you are confident that you've mastered the material. Develop a plan to check the completeness of your understanding by problem solving exercises and discussion with your peers. You should be confident of your skills when heading into an exam. Obviously, this is much harder to achieve if you don't start preparing until the day before an exam.

You can't be a proficient scientist without a basis of factual knowledge, meaning that some memorization is an essential part of your education. That said, exams will be designed as much as possible to test your comprehension rather than focusing on rote memorization. For that reason, exam questions will use concepts that you've learned, but won't be identical those questions found on old exams and as practice problems.

Few people find organic chemistry easy to learn. You should expect to study hard to earn a great grade!


### To the student and how to succeed in Organic Chemistry (and science in general):











1. *Develop good study habits:*
2. Attend all lectures and labs.
3. Take good lecture notes.
4. Use your lecture notes as a guide to your reading in the textbook. Write your questions down if there is something you don't understand. Ask your instructor if you don't understand a concept.
5. Make flash cards of definitions, concepts, reactions, structures, and nomenclature that are in the textbook that are emphasized by your instructor in lecture. Writing something is equivalent to reading it ten times.
6. Do all the homework problems with the aid of the study guide or answer book. The suggested problems (homework) have about the same difficulty as the problems you will be given on the exams.
7. One of the alternative ways for understanding of organic chemistry is to find a study partner or to form a study group and work on problems independently, and then review the answers in the group.
8. Keep up to date and **don't fall behind**.
9. Seek course advice from science professors and students.
10. If necessary, see your instructor or department for a tutor.
11. Try to see the "big picture"; try to see how the topic of the week fits in with the whole course. If you have a difficulty achieving this, ask your instructor.
12. Practice applying what you have learned in class to the world around you.
13. Try to foster your own scientific curiosity – wonder why things are and how they happen.
14. Put emphasis on understanding concepts rather than memorizing material.
15. If you read the text more than 10 minutes without practicing a problem, something is wrong....this is not how you should study organic chemistry.
16. *Have a positive attitude.*
17. *Realize that science requires more self discipline than many other majors, but actually offers more rewards.*
18. *Be organized.*
19. *Persevere and be determined to succeed.*

Good Luck in Chem 232!!

## Course Summary:

Date	Details	Due
Thu Jun 2, 2022	 <a href="https://sdsu.instructure.com/courses/97132/assignments/632668">WileyPlus HW Ch.1</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/632668">https://sdsu.instructure.com/courses/97132/assignments/632668</a> )	due by 11:59pm

Date	Details	Due
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/632671">WileyPlus HW Ch.2</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/632671">https://sdsu.instructure.com/courses/97132/assignments/632671</a>	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/632667">WileyPlus HW Ch.3</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/632667">https://sdsu.instructure.com/courses/97132/assignments/632667</a>	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/648261">Midterm 1 Ch.1</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/648261">https://sdsu.instructure.com/courses/97132/assignments/648261</a>	due by 2pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/648268">Midterm 1 Ch.2</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/648268">https://sdsu.instructure.com/courses/97132/assignments/648268</a>	due by 2pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/648270">Midterm 1 Ch.3</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/648270">https://sdsu.instructure.com/courses/97132/assignments/648270</a>	due by 2pm
Fri Jun 3, 2022	 <a href="https://sdsu.instructure.com/courses/97132/assignments/648261">Midterm 1 Ch.1</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/648261">https://sdsu.instructure.com/courses/97132/assignments/648261</a> (2 students)	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/648268">Midterm 1 Ch.2</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/648268">https://sdsu.instructure.com/courses/97132/assignments/648268</a> (2 students)	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/648270">Midterm 1 Ch.3</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/648270">https://sdsu.instructure.com/courses/97132/assignments/648270</a> (2 students)	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/632669">WileyPlus HW Ch.4</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/632669">https://sdsu.instructure.com/courses/97132/assignments/632669</a>	due by 11:59pm
Thu Jun 16, 2022	 <a href="https://sdsu.instructure.com/courses/97132/assignments/632670">WileyPlus HW Ch.5</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/632670">https://sdsu.instructure.com/courses/97132/assignments/632670</a>	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/640598">WileyPlus HW Ch.6</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/640598">https://sdsu.instructure.com/courses/97132/assignments/640598</a>	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/656031">Midterm 2 Ch.4</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/656031">https://sdsu.instructure.com/courses/97132/assignments/656031</a>	due by 2pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/656032">Midterm 2 Ch.5</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/656032">https://sdsu.instructure.com/courses/97132/assignments/656032</a>	due by 2pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/656034">Midterm 2 Ch.6</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/656034">https://sdsu.instructure.com/courses/97132/assignments/656034</a>	due by 2pm
Fri Jun 17, 2022	 <a href="https://sdsu.instructure.com/courses/97132/assignments/656031">Midterm 2 Ch.4</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/656031">https://sdsu.instructure.com/courses/97132/assignments/656031</a> (2 students)	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/656032">Midterm 2 Ch.5</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/656032">https://sdsu.instructure.com/courses/97132/assignments/656032</a> (2 students)	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/656034">Midterm 2 Ch.6</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/656034">https://sdsu.instructure.com/courses/97132/assignments/656034</a> (2 students)	due by 3pm
Thu Jun 30, 2022	 <a href="https://sdsu.instructure.com/courses/97132/assignments/644791">WileyPlus HW Ch.8</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/644791">https://sdsu.instructure.com/courses/97132/assignments/644791</a>	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/652517">WileyPlus HW Ch.10</a> <a href="https://sdsu.instructure.com/courses/97132/assignments/652517">https://sdsu.instructure.com/courses/97132/assignments/652517</a>	due by 11:59pm

Date	Details	Due
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/654329">WileyPlus HW Ch.11</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/654329">https://sdsu.instructure.com/courses/97132/assignments/654329</a> )	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/643332">WileyPlus HW Ch.7</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/643332">https://sdsu.instructure.com/courses/97132/assignments/643332</a> )	due by 11:59pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/657586">Final Exam Ch.10</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/657586">https://sdsu.instructure.com/courses/97132/assignments/657586</a> )	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/657588">Final Exam Ch.11</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/657588">https://sdsu.instructure.com/courses/97132/assignments/657588</a> )	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/657564">Final Exam Ch.7</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/657564">https://sdsu.instructure.com/courses/97132/assignments/657564</a> )	due by 3pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/644794">Final Exam Ch.8</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/644794">https://sdsu.instructure.com/courses/97132/assignments/644794</a> )	due by 3pm
Fri Jul 1, 2022	 <a href="https://sdsu.instructure.com/courses/97132/assignments/657586">Final Exam Ch.10</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/657586">https://sdsu.instructure.com/courses/97132/assignments/657586</a> ) (2 students)	due by 4:30pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/657588">Final Exam Ch.11</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/657588">https://sdsu.instructure.com/courses/97132/assignments/657588</a> ) (2 students)	due by 4:30pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/657564">Final Exam Ch.7</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/657564">https://sdsu.instructure.com/courses/97132/assignments/657564</a> ) (2 students)	due by 4:30pm
	 <a href="https://sdsu.instructure.com/courses/97132/assignments/644794">Final Exam Ch.8</a> ( <a href="https://sdsu.instructure.com/courses/97132/assignments/644794">https://sdsu.instructure.com/courses/97132/assignments/644794</a> ) (2 students)	due by 4:30pm