

## Organic Chemistry 2 Chem-C 342

**Required:** *Organic Chemistry*, L. G. Wade, Jr. [ISBN 978-0-321-76841-4] and Sapling Learning Access Code (one term) ISBN 978-0-9833859-5-0

**Optional:** Solution Manual for Wade text

**Exam Dates:** Exam dates are **NOT** subject to change. Any material covered prior to the day of the exam is fair game. Any exceptions will be verbally communicated to students one scheduled class day prior to the exam. (Example: Exam on Thursday, exceptions will be verbally stated on Tuesday)

**Exam 1: February 5, 2015**

**Exam 2: March 3, 2015**

**Exam 3: March 31, 2015**

**Exam 4: April 23, 2015**

**Final: May 5, 2015**

### Exams

- Four exams will be given in class not including the final exam. The lowest score of the four exams will be dropped. If you miss an exam, that is the exam that will be dropped. There are **NO**

make-up exams.

- The final exam **IS** cumulative and **CANNOT BE DROPPED**

- The use of molecular model kits during exams is permitted and encouraged.

- One week prior to each exam, a practice exam and key will be posted to Oncourse. It is in your best interest to complete the practice exam prior to viewing the key.

- Any corrections to exams must be made within 1 week of the return of the exam.

**In order to turn in your completed exam you must present a picture form of ID.** The only material you need at your desk is a pencil, model kit, and your test. All personal belongings are placed in the front of the room any valuables should be left in a secure location. Beverages are permitted but labels must be removed. Cell phones, i-pods, calculators or any other technological

instrument is prohibited during the exam. If you are caught with these during the exam you will receive a zero.

### Homework

**Graded:** Online homework must be completed by the time specified on the due date to receive credit. Extensions will not be given. Late homework assignments will not be accepted or graded. The lowest homework score will be dropped.

Sapling Learning has been shown to significantly improve student performance. Dr. Marc Loudon of Purdue University found that organic chemistry students that used Sapling Learning in

their studies scored over 1 letter grade higher than those that did not.<sup>1</sup> To further improve your success, we will be using Sapling Learning for homework in this class and for the entire year of organic chemistry (Fall 2014/Spring 2015). Two sources are available for you to purchase the access code.

You can purchase directly online from Sapling Learning website. Note: **Sapling Learning offers a 2-week grace period at the beginning of each term in which the students can access**

**their online homework course for free while their add/drop period is in effect.** The second source is through IUN campus bookstore. Note: Pricing may be different depending on which location you choose to purchase through.

Sapling Learning Online Homework (one term) ISBN 978-0-9833859-5-0

**Student registration instructions:**

1. Go to <http://saplinglearning.com> and click on your country ("US Higher Ed") at the top right.
2. a. If you already have a Sapling Learning account, log in and skip to step 3. b. If you have Facebook account, you can use it to quickly create a Sapling Learning account. Click "Create an Account," and then "Create my account through Facebook." You will be prompted to log into Facebook if you are not already logged in. Choose a username and password, then click "Link Account." You can then skip to step 3. c. Otherwise, click "Create an Account." Supply the requested information and click "Create My Account." Check your email (and spam filter) for a message from Sapling Learning and click on the link provided in that email.
3. Find your course in the list (listed by subject, term, and instructor) and click the link.
4. Select a payment option and follow the remaining instructions.
  - Once you have registered and enrolled, you can log in at any time to complete or review your homework assignments.
  - During sign up - and throughout the term - if you have any technical problems or grading issues, send an email to [support@saplinglearning.com](mailto:support@saplinglearning.com) explaining the issue. The Sapling support team is almost always more able (and faster) to resolve issues than your instructor.
  - To optimize your Sapling Learning experience, please keep your internet browser and Flash player up to date and minimize the use of RAM-intensive programs/websites while using Sapling Learning.

#### **Non-Graded:**

Within the chapters, you will find problems following sections of material that will have been covered in lecture. It is in your best interest to work the problems that follow these sections. The purpose of these problems is to give you, the learner, first-hand experience solving problems and

thinking about organic chemistry, as well as to help you find trouble spots before exams.

Practice exams will be posted 1 week prior to the exam. The exam shows you similar format, however it is subject to change at the discretion of the instructor.

A set of challenge questions will be posted to Oncourse at the discretion of the instructor. These questions allow you the opportunity to challenge yourselves, and gives you feedback regarding your preparedness for the exams. Answers will be posted separately.

#### **Discussion**

Discussion is the time for you to ask questions, practice problems and work out any kinks in your

understanding of organic chemistry. Attendance to recitation is **mandatory**, as it is in YOUR benefit to attend. Attendance to the class is worth 10 points. Sign sheets are provided for the first

15 minutes of class for full credit. After 25 minutes you will lose 2.5 points, 30 or later zero points assigned. Together we will walk through EVERY problem!

**If you are not able to attend the discussion:** You must talk to the instructor (Dr. Walker) **prior** to your absence and provide a medical/emergency valid reason for absence. You must complete

the handout to obtain full credit.

#### **Grading**

##### **Lecture**

Exam 1 150 pts

Exam 2 150 pts

Exam 3 150 pts

Exam 4 150 pts

1 Dropped Exam -150 pts

Final Exam 300 pts

750 pts

**Homework**

Homework 1-11 (20 pts each) 220 pts

1 Dropped Homework -20 pts

200 pts

**Recitation Class**

In class worksheets (10 x 20 pts) 200 pts

**TOTAL POINTS 1150**

Your course grade will be determined based on the following grade cutoffs. Your grade is determined on the **POINT** scale NOT by percentage. [1% ~ 12 points]

1104-1150 .....	A+	771-816 .....	C
1070-1103 .....	A	713-770 .....	C-
1012-1069 .....	A-	655-712 .....	D+
989-1011 .....	B+	586-654 .....	D
943-988 .....	B	517-585 .....	D-
886-942 .....	B-	0-516 .....	F
817-885 .....	C+		

**There are no extra credit assignments [DO NOT ASK]. Homework/recitation points are subject to change based on the pace of the course. If sections are not covered points will be**

**adjusted where necessary.**

**Weather:**

Please stay up to date with campus alerts. Classes are scheduled unless the university officially closes. If several class periods are missed, homework and handouts will be removed as needed and the grading scale adjusted accordingly.

**Email:**

Your IU e-mail is essential in this course. If you do not use this account, you must set it up to forward messages to an account you do use.

Any questions you may have can be addressed only through your official Indiana University email. **I will not answer any email pertaining to dates of exams.** That information is posted in this syllabus, reiterated in class as well as posted to Oncourse. When emailing please *Do not forget simple rules of etiquette*. Unlike personal emails, professional emails require professional communication. Please use proper English; abbreviating standard English words are not appropriate in a professional email. Abbreviations such as "ur" or "2nite" are not acceptable.

\*\* Please email me through your IU address, and not through Oncourse does not send me notifications and delays to your questions may occur.

For documentation and privacy purposes I do not receive phone calls. Various state laws and university policies forbid discussions with any third parties, including other students, your parents

or local elected officials. Any and all communication can be made via your university email or directly in person.

**Attendance:**

Attendance to the lecture course **IS NOT** mandatory, however, it is highly recommended. If you choose to come to class I ask that you refrain from using computers, cell phones, or any other means of distraction. You come to learn, not to chat with your friend via text messaging or to read Facebook news. Attendance to the recitation courses **IS** mandatory. This is for your benefit,

as you will have the opportunity to practice problems, strengthen your organic skills and best of all ask me questions.

**Academic Integrity:**

Indiana University Northwest takes very seriously Academic Integrity and has outlined a code of student conduct, see: (Code of Student Rights, Responsibilities, and conduct) Academic integrity

requires that “all academic work be wholly the product of an identified individual or individuals.” Academic misconducts include: cheating, fabrication, facilitating academic dishonesty, denying others access to information or material, and plagiarism. Students are expected to conduct complete honesty in the completion of tests, assignments, and any other course work including homework. If any student is found to be cheating or plagiarizing, a grade of “F” will be awarded for the assignment in question and possibly the course.

**Fabrication:** Inventing or falsifying information. IE Not making correct or accurate references to sources in a research paper.

**Facilitating Academic Dishonesty:** Helping someone else to commit an act of academic dishonesty. Including giving someone a paper or homework to copy from or allowing someone to cheat from your test.

**Plagiarism:** Using your words or ideas of another writer without attribution, so they sound as if they are your own.

- Turning in someone else’s work as your own
- Copying words or ideas from someone else without giving credit
- Failing to put a quotation in quotation marks
- Giving incorrect information about the source of a quotation
- Changing words but copying the sentence structure of a source without giving credit

**Copying so many words or ideas from a source that it makes up the majority of your paragraph, whether you give credit or not.**

**Cheating is the actual or attempted practice of fraudulent or deceptive acts to gain an unfair advantage in a grade, whether for yourself or for another student.** Cheating includes transmitting or receiving by any and all means information about examination questions. During examinations, students will not be allowed to use or have turned on electronic devices (including cell- phones, iPods, calculators, etc). If I believe you have or are using such a device I will immediately confiscate your exam.

**Accommodations for Students with Disabilities:**

Indiana University Northwest is committed to full and equitable access for all enrolled students. If you are a student with a documented disability with Student Support Services and wish to request

accommodations, please notify the instructor by the second week of class. Instructors are asked to make reasonable accommodations upon request by the student or the University for such disabilities. It is the responsibility of the student to contact the Student Support Services so that the case will be dealt with on a timely manner.

**Athletes:**

Athletic competitions at times can and do interfere with your attendance to class on exam dates or

worksheet due dates. It is your responsibility to provide proper documentation from your athletic advisor and make arrangements with the instructor prior to the scheduled absence. Failure to do this will result in an unexcused absence resulting in a zero on assigned worksheets or exams.

**Stressed? Need help?** <http://www.iun.edu/counseling-services/>

Any student attending Indiana University, part time or full time is eligible to use counseling services. Many students face normal developmental concerns as well as personal and academic

pressure during college experience and find it helpful to discuss these issues in a professional and

confidential environment.

**Lecture Schedule:** Flexible

**Day Chapter**

Jan 13-15 Review

Jan 20-22 14: Ether, Epoxides and Thioethers

Jan 27 15: Conjugated Alkenes only

Jan 29-3 16: Aromatic Compounds

**Feb 5 Exam 1 (Review, Chapters 14-16)**

Feb 10-17 17: Reactions of Aromatic Compounds

Feb 19-26 18: Ketones and Aldehydes

**Mar 3 Exam 2 (Chapters 17-18)**

Mar 5-12 19: Amines

Mar 16-20 Spring Break

Mar 24-26 20: Carboxylic Acids

**Mar 31 Exam 3 (Chapters 19-20)**

Apr. 2-7 21: Carboxylic Acid Derivatives

Apr 9-16 22: Condensation and Alpha Substitutions of Carbonyl

Apr 21-28 23: Carbohydrates and Nucleic Acids

**Apr 23 Exam 4 (Chapter 21 and 22)**

Apr 30 24: Amino Acids, Peptides and Proteins

**May 5 Final Exam - Cumulative**

**Homework Schedule:** Flexible

**Date Due Homework Chapter**

Jan. 19 (Mon) 1 Review

Jan. 26 (Mon) 2 Chapter 14

Feb. 4 (Wed) 3 Chapter 15

Feb. 4 (Wed) 4 Chapter 16

Feb. 18 (Wed) 5 Chapter 17

Mar. 2 (Mon) 6 Chapter 18

Mar. 23 (Mon) 7 Chapter 19

Mar. 30 (Mon) 8 Chapter 20

Apr. 13 (Mon) 9 Chapter 21

Apr. 20 (Mon) 10 Chapter 22

Apr. 3 (Sun) 11 Chapter 23,24

**Final Suggestions:**

If you wish to do well in this course, it is **ABSOLUTELY IMPERATIVE** that you stay current with the material. I suggest rewriting your notes after each lecture along with studying your notes

and doing problems on a DAILY basis. Organic chemistry is a difficult class and is highly *cumulative*. What you learn at the beginning of class is *ESSENTIAL* for understanding later material. Our exams will reflect this tendency, and you will be expected to understand material from prior exams as the class progresses -- in other words, you will see problems on exams that contain material from earlier exams. I would suggest studying for this class at least ~10 hours per

week, EVERY week. I also recommend that you do your best to avoid falling behind if at all possible – it is *much* harder to play catch up.

I would really like to see you all do well and learn organic chemistry this semester -- please follow my suggestions and you will have a good semester. Please do not hesitate to let me know

who you are, and if you have any questions. Good luck!

**Campus support office:**

Student Support Services, HH29, (219) 980-6798 Student Support Services  
<http://www.iun.edu/student-support/>  
1 <http://www2.saplinglearning.com/proven-student-success>