

# Chemistry 331

Spring 2018  
Organic Chemistry II

**Instructor:** Dr. Paul Munger

Contact Information:           Office: Faraday Hall 335  
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Office Hours: MW 2:00-3:00 pm, and by appointment

**Lecture:** MWF 1:00-1:50 pm; Faraday Hall 143

## Required Text

- 1) Carey, F.A. and Giuliano, R.M. Organic Chemistry, 10<sup>th</sup> Edition; McGraw-Hill, 2017

## Recommended Materials:

- 2) Carey, F.A. and Giuliano, R.M. Solutions Manual for Organic Chemistry, 10<sup>th</sup> Edition, McGraw-Hill, 2017
- 3) Molecular Visions Organic Chemistry Molecular Modeling Kit

**On-Line Course Information:** Blackboard (<https://webcourses.niu.edu>)

## Class Format:

The course will be comprised of lectures and in class exams. It is important that you attend class as material and examples not given in the principal text will be covered. If you miss a class, it is your responsibility to obtain lecture notes and any assigned work. You should check Blackboard regularly for postings. Suggested homework from the text will be given for each chapter. Although this will not be graded it is important to complete so that you become familiar with the content of the course for exams.

## Exams and Grades:

The course grade will be assigned base on your point totals for the 4 hour exams and final exam. If you miss an exam, a score of 0 will be entered for that exam. All exams will be comprehensive since understanding the material encountered later in the course will require application of concepts learned previously. However emphasis will be given to material covered since the last exam. Exams are closed book, and closed note. Textbooks, notes, electronic devices (including cell phones, latches and laptop computers) are not permitted in the classroom during the exam. Calculators and models will usually be allowed at the discretion of the instructor.

**NOTE: No extra-credit assignments will be given.**

## Final Exam

The 25 % final exam will be comprehensive and will be given in May, time and place TBA.

## Point Total

Exams	75%
Final Exam	<u>25%</u>
Total	100%

## Expected Grading Format:

Grading will reflect a curve on each exam. While it is expected that the class average on each exam will be in the "C" range, a line of minimum points to earn a passing grade will be drawn for each exam.

**Note: by enrolling in this class you are agreeing to take the exams on the scheduled dates.**

## Requests for Regrades

Submissions for regrade will be accepted for one week after the day the exams are distributed in class. The entire test will be regraded. The regraded exams will be returned after the end of the next class period. If the exam pages are altered in any way, the request for regrade will be denied. The instructor may make copies of exams before distributing them to the class.

## Important Dates:

**Consult your academic adviser and the NIU website.**

## **Study Groups:**

It is encouraged to study in groups. This will make the chemistry experience more enjoyable and you will learn the content better. Explaining to someone else the material will be a great benefit in your own learning as it will provide different insights on how to tackle the material.

**Student Code of Conduct:** <http://www.niu.edu/communitystandards/pdf/SCC.PDF>

## **Academic Dishonesty (cheating)**

Academic dishonesty includes looking at another student's exam during a testing session, allowing another student to copy your work, use of unauthorized materials such as notes, crib sheets, textbooks, prohibited electronic devices such as smart phones, cell phones, I-pads or programmable calculators that contain stored equations, formulas or text during an exam. Violation of any of these will result in a zero for the exam, quiz or assignment in question.

**Academic dishonesty in any form will not be tolerated and may result in failure of the entire course.**

## **Notification of Services for Students with Documented Disabilities**

NIU abides by Section 504 of the Rehabilitation Act of 1973 which mandates reasonable accommodation by provide for qualified students with disabilities. If you have a disability and may require some type of instructional and/or examinations accommodation, you will need to register with the Center for Access-Ability Resources (CAAR), the designated office on campus to provide services and administer exams with accommodations for students with disabilities. The CAAR office is located on the 4<sup>th</sup> floor of the University Health Services building (815-753-1303). Accommodations are not retroactive. Please contact me early in the semester so that I can provide or facilitate in providing accommodations you may need. You must for each exam have a form filled out about 10 business days in advance to be sure to have a CAAR test time appointment.

## **Tentative Schedule**

**Lectures will be on Chapters 12-22, at roughly 3 lectures to each chapter. Specific topic coverage for each exam will be announced in class and on Blackboard at least 2 class periods ahead.**

**Important Dates**

**Chapters**

1/17	Introduction, first lecture
2/9	Exam 1
3/2	Exam 2
3/11-3/18	Spring Break
3/30	Exam 3
4/20	Exam 4
5/5-5/11	Final Exam (date TBA)

Exams will cover principally the material covered during the previous 3 weeks, but are of necessity cumulative in that most new topics build on those covered previously. In-class quizzes will be unannounced.

Suggested Homework Problems are appended. These will not be collected or graded, but we emphasize the need to practice regular understanding and problem solving prior to encountering an exam or quiz.

Organic Chemistry, Carey and Giuliano, 10th Ed

Suggested Homework Problems:

Chap 13: 33; 49a,b,k; 40; 48

Chap 15: 22; 24a-d; 27a; 29

Chap 18: 27a-l; 32; 36a,b

Chap 16: 21; 23a,b,e; 20; 26a,f; 29c

Chap 17: 26a-j; 39; 29

Chap 21: 29b,d; 36a-f; 40a-d; 43; 52; 46a-d; 57a,b

Chap 22: 41a; 42a-b, g; 43a,b; 35a-h; 38a-d; 40a; 51

Chap 19: 20a,d; 15a,b,d; 25a,c; 24; 28

Chap 20: 31a-i; 32; 37a-d,f,g; 46a

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Suggested Homework Problems:

Chap 12: 33; 34; 46a,b,k; 48; 54

Chap 14: 22a-g; 26; 27a; 28;

Chap 17: 26a-l; 31; 35a,b

Chap 15: 16; 19; 20; 24a,b,e; 26a,f,; 28c

Chap 16: 25a-j; 28; 36

Chap 20: 29b,d; 37a-f; 41a-d; 44; 45; 52a-d; 57a,b

Chap 21: 33a; 34a-b, g; 35a,b; 36a-h; 39a-d; 42a; 50

Chap 18: 16a,d; 17a,b,d; 21a,c; 25; 27

Chap 19: 29a-i; 30; 33a-d,f,g; 42a