

## U25.0226 Organic Chemistry II (Fall 2016)

GCASL C-95, TR 2-3:15 pm

Prof. James Canary ([canary@nyu.edu](mailto:canary@nyu.edu)): 364 Brown

Course Administrator:

*Prof. Petra Tosovska*

Learning Resources: "Organic Chemistry", Jones & Fleming, 5th Edition; Maruzen HGS Molecular Models; and on-line tools

| <u>Date</u>    | <u>Chapter</u> | <u>Topic</u>                |
|----------------|----------------|-----------------------------|
| 9/6,8, 9/13    | 13             | Dienes                      |
| 9/15,20,22     | 14             | Conjugation and Aromaticity |
| 9/27,29,10/4,6 | 15             | Aromatic Substitution       |
| 10/11          | 23             | Orbital Symmetry            |
| 10/13          |                | Exam 1 (In Class)           |
| 10/18,20       | 23             | Orbital Symmetry            |
| 11/1,3         | 16             | Carbonyl I                  |
| 11/8,10        | 17             | Carboxylic Acids            |
| 11/15          |                | Exam 2 (In Class)           |
| 11/17,22       | 18             | Acyl Compounds              |
| 11/29,12/1,6   | 19             | Carbonyl II                 |
| 12/8           |                | Exam 3 (In Class)           |
| 12/15          | 22             | Review                      |
| 12/20          |                | Final Exam (noon – 1.50pm)  |

You are required to follow the course page on NYU Classes. Many announcements will be posted there. Office hours and extra problem sessions will be posted there. If you have any other questions please email Prof. Tosovska. She will answer your emails within 24 hours during a regular week.

Read the text and do the in-chapter problems before coming to lecture. There is a strong correlation between lecture/recitation attendance and grade. **YOU MUST NOT FALL BEHIND!** The material in this course is hierarchical; you won't understand tomorrow's concept if you do not get today's. You should pay attention to the withdrawal deadline if the semester is not going well. If you miss the first midterm and also are behind on quizzes and homework, you should drop the class, as you are unlikely to recover. Incompletes will not be given except in rare circumstances, and then only if a small fraction of the material needs to be made up, normally for work missed with medical excuse near the end of the semester.

Quizzes and Exams: Religious and other accommodations must be arranged in advance. Moses students need to make arrangements with the instructors early in the semester regarding pop

quizzes. Quizzes missed for medical reasons need a doctor's note. Such documentation must be handed in to Prof. Canary within 7 days. If you miss an exam, it will be graded as "0" points unless you provide a valid notice from the Dean's office. This notice must be submitted to Prof. Canary within 7 days of the missed exam. For students that have a valid excuse for missing an exam will be handled statistically—there will be no makeup exams. In case you miss the final exam you will have to take it in the spring semester. Re-grade requests must be made in writing, handed in to your Recitation Instructor with the exam or quiz (within 7 days), which will be re-graded in its entirety. Cheating will result in a zero on the exam or quiz and the case will be forwarded to the Dean. All exams are cumulative.

In order to allow sufficient quiz scores so that the lowest two can be dropped, several (~4-6) unannounced quizzes will be given during lecture, typically covering material from one of the two previous lectures. These will be graded and averaged with weekly recitation quizzes.

Note: Exams will be given in class, **not** on Friday afternoons. These in-class exams will necessarily be shorter than the posted practice exams from prior years when a longer exam time was utilized. You bear the responsibility to appear on time to the exam in the announced location.

Something that always amazes is that grade pressure causes some students to focus on superficial aspects such as what will appear on exams, how grading will be handled, and trying to memorize answers to problems (from the solutions manual or old exam keys) rather than learning to generate answers to problems. Ironically, the best way to get a good grade is to take (or at least feign) interest in the material, and try to learn it. We intend 40% of each exam to require putting together 2 or more concepts in a way that you have never done before.

Homework: To help you keep up with the material in the course and not fall behind, homework will be assigned and graded for completeness. The homework assignments and their due dates will be posted on the course web page. You must carry out the assignments and hand them in to your recitation instructor on the due dates in order to receive credit. The homework that you turn in must be legible, with problem numbers listed, with work leading to your answers shown, on stapled pages, with your name and your NYU ID number. Homework will *not* be graded for accuracy. You will receive credit for a problem as long as you have shown a credible effort toward solving it. Problems that are not attempted, or answers for which no work or reasoning are shown (even if correct), earn no credit. Late homework will not be accepted. Medical excuses for missed recitations do not cover homework. If you do nothing else in this course, working assigned problems without looking at the solutions will get you farthest. I wish there were no solutions manual available and instead you had to decide for yourself if the answers were correct, as this would be more similar to the situation you face during an exam. If you just study the answers to the problems, you will learn to recognize the answers but not how to solve the problems. If you can't understand why you didn't earn a better grade on the exam, then you probably did not work hard enough to solve the problems before looking at the answers.

Extra problems (not to be turned in or graded) will be posted on NYU Classes. Those problems may be challenging: Experience has shown that students that persevere through the extra problems tend to really grasp organic chemistry and do well in the course.

|          |              |     |
|----------|--------------|-----|
| Grading: | Quizzes      | 20% |
|          | Homework     | 15% |
|          | Midterms (3) | 40% |
|          | Final        | 25% |

The overall lecture grade (weighted 3/4) will be averaged with the lab grade (weighted 1/4) to calculate a final score for the course. You must pass the lecture portion of the course in order to pass the course. If there is disparity in the lecture and lab overall averages, we reserve the right to make a correction so that the lab portion is not over-weighted. Below are historical grade cut-offs. These are to be used to get a rough idea of how you are doing in the course. They are NOT to be used to complain about the final grade assignment, as the actual cutoffs will be decided by examination of the actual distribution of scores. You are not competing with other students in the class; it is possible that everyone will get an A (though this has not occurred so far). Good data indicates that students that study together earn better grades, so do it!

|                           |                       |
|---------------------------|-----------------------|
| Lowest A: about 81-82     | Lowest B-: about 61   |
| Lowest A-: high seventies | Lowest C: about 46-47 |
| Lowest B+: 72-73          | Lowest D: about 40    |
| Lowest B: about 65        |                       |