Revised Feb 19 2016
Chemistry 314-001 Organic Chemistry II Spring 2016 Dr. Honeychuck

This syllabus can be found at http://mason.gmu.edu/~rhoneych/314syl1b.pdf
Tues & Thurs 7:30-8:45 am Exploratory Hall Room L004
703-993-1076 rhoneych@gmu.edu
Office hrs Tues & Thurs 9-10 am Planetary Hall Room 307

Veronika Lozano, Undergraduate Learning Assistant, vlozano@masonlive.gmu.edu
Tues 3-4 pm EXPL 4103
Wed 3-4 pm EXPL 4103
Thurs 3-5 pm EXPL 4105
Fri (if needed) EXPL 4103
https://piazza.com/gmu/spring2016/chem314

Solomons requirements:


or


You are required to have paper or electronic access to the text. You are required to have paper or electronic access to the Solomons Study Guide and Solutions Manual.

WileyPLUS (the software package with homework problems) is not required for this section of Chem 314, but it is activated for those who already own it from Chem 313.

Required: Scantrons or Scantron clones, Forms 8000, 882-E, 882-ES, or PDP-100, 11 X 28 cm, green or blue-green
Required: iclicker, iclicker2, or iclicker+
Optional: Honeychuck, “50 Questions Chemistry 314” course packet
Optional: Plastic molecular models

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<thead>
<tr>
<th>Date</th>
<th>Solomons</th>
<th>Subjects</th>
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<tbody>
<tr>
<td>Jan 19</td>
<td>12.5-12.8C</td>
<td>Organolithium and organomagnesium compounds</td>
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<tr>
<td>Jan 21</td>
<td>Snow</td>
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<td>Jan 26</td>
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<td>Jan 28</td>
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Feb 2 13.1-13.7 Conjugated unsaturated compounds
Feb 4 13.9-13.10D Conjugated unsaturated compounds
Feb 4 14.1-14.7B Aromatic compounds
Feb 9 14.7D-14.10 Aromatic compounds
Feb 9 15.1-15.16 Reactions of aromatic compounds
Feb 11 skip 15.16A Reactions of aromatic compounds
Feb 16 Snow
Feb 18 Test 1
Feb 23 16.1-16.7C, 16.8-16.13B, 16.15 Aldehydes and ketones I: nucleophilic addition to C=O
Feb 25 18.1-18.3C, 18.4-18.4B, 18.10 reactions (1, 2, 3, 5) Aldehydes and ketones II: enolate reactions
Mar 1 19.4-19.7B, 19.9 reactions (3, 4, 5) Aldehydes and ketones II: enolate reactions
Mar 3 17.1-17.2I, 17.3-17.11 Carboxylic acids and their derivatives
Mar 8 No 314. Spring break.
Mar 10 No 314. Spring break.
Mar 15 17.13 Carboxylic acids and their derivatives
Mar 17 Test 2
Mar 22 18.4C-18.9, 18.10 reactions (6, 7, 8, 9) β-Dicarbonyl compounds
Mar 24 19.1-19.3, 19.7A, 19.8 β-Dicarbonyl compounds
Mar 29 19.9 reactions (1, 2, 5, 6) β-Dicarbonyl compounds
Mar 31 20 Amines
Apr 5 skip 20.11-20.11B Amines
Apr 7 skip 20.12B Amines
Apr 12 21.1-21.4A Phenols and aryl halides
Apr 14 21.5-21.11B Phenols and aryl halides
Apr 19 21.5-21.11B Phenols and aryl halides
Apr 21 Test 3
Apr 26 22.1-22.3 Carbohydrates
Apr 28 22.6A Carbohydrates
May 3 22.10 Carbohydrates
May 10

Comprehensive Final Exam, 7:30-9:30 am,
EXPL L004

You will need Scantrons to take the Tests and Final Exam.

All of the Quizzes together are worth 6% of the course total. Tests 1 through 3 are worth 22% of the course total each, and the Final Exam constitutes 28%. Overall course grades are on a movable scale, not fixed or straight. Bring Scantrons of the type listed above to each Test and the Final Exam, as well as Number 2 pencils with erasers that don’t smear. The Quizzes, Tests, and Final Exam are closed book and closed note. All of the information you need for the Tests and Final Exam will be given to you in the test booklet. The Final Exam is comprehensive, meaning that it covers the entire semester. If you miss a Test for reasons beyond your control, see me immediately or you will receive a grade of zero on that Test. If the university is closed due to weather on the morning of a Test, the Test will automatically be given in the next class meeting.

You are responsible for all portions of all sections on this syllabus unless otherwise directed. Any updates of this syllabus will be posted at the above address.

Organic Chemistry is shape-oriented and very qualitative. There is much new information to be absorbed, and many students are thrilled to find it is largely non-mathematical. It is an active paper subject. Practice by writing out structures and reactions, and do as many problems as you have time for. The text has many problems in and at the end of each chapter. The Study Guide has a series of quizzes which you should take without the help of friends or books, the same way you would in the Tests or Final Exam. A list of required problems is at http://mason.gmu.edu/~rhoneych/314probs.pdf. Get the most out of the problems by doing them first without looking at the answers, and by doing more than just this minimum set.

If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Services at 993-2474. All academic accommodations must be arranged through that office.

Quizzes, iclickers, and Blackboard

Chemistry 314-001 is an iclicker course. You will use your iclicker to take in-class Quizzes but not Tests. The use of a smart phone or laptop instead of your iclicker is forbidden. All of the Quizzes together are worth 6% of the course total.

You can use an iclicker, iclicker2, or iclicker+. You must register your iclicker at https://www1.iclicker.com
Tell it:
First Name: to match what GMU (Patriotweb) thinks
Last Name: to match what GMU (Patriotweb) thinks
Student ID: your GMU e-mail name, for example rhoneych. Your G number will work here, but please use your GMU e-mail name instead.
Remote ID: on your iclicker

If you used the same iclicker last semester, you will probably have to re-register it. iclicker.com may erase all GMU iclickers at the end of each semester or each year. Your quiz
grades reside in a database with your Remote ID but without your name if you don’t register. They will not be erased or lost. Just register later.

Your quiz grades will posted on Blackboard. You should check them. A series of zeroes or dashes usually means you need to register or re-register your iclicker. Test grades and course materials will not be put on Blackboard, however. Short announcements about Blackboard will be placed on Blackboard. Usually these are also e-mailed to you.

The purpose of the quizzes is to encourage you to keep up with the material. They are not difficult. You should view them as the one part of the course where it is possible to earn all of the points.