Reading a syllabus is the most boring activity ever… not true: writing a syllabus is even more boring! This being said; it does contain all the info you need. Pick one of the following options.

a) Read the entire syllabus and be aware of how the class is structured
b) If you truly want to be lazy, read at least sections 2, 4 and 6, before you come to the first class!
c) Print it out and carry it around campus pretending you care…
d) The parts in italic font, are supposed to be humorous side notes… at least, read those parts and pretend you find them funny…
   this will get you used to my lame sense of humor

ORGANIC CHEMISTRY I (2201) – Fall 2018
Syllabus of course

1. Course Descriptions:
   All right. You survived General Chemistry. Congrats. Now what!? Here we go again, with another semester of wondering why on earth you enrolled in college. Here’s why: knowing things is awesome. Sure, you can Google them, but really… if you know things, you can show off during trivia night at that bar where you are having a cheap drink even though the bartender knows your ID is a fake. So, here are the things you need to know before you begin to actually know stuff.

a. The Organic Chemistry program at Temple - The organic chemistry program has two parts that are separate courses: lecture, 2201 and laboratory, 2203. These courses are separate registrations. The two parts are designed to be completed at the same time, but credit for them is earned independently. That’s how we run it here at Temple; if you don’t like it… Tough luck, just like it…

b. Course Prerequisites: - Successful completion of General Chemistry II (1032 or 1952 or the equivalent) with a grade of C- or better is a prerequisite.

c. Specific Goals and Objectives - The primary goal of this course is to introduce the student to the fundamental principles of organic chemistry and to develop critical thinking skills. The major specific objectives are:
   • To learn about bonding, molecular structure, and hybridization of organic compounds.
   • To write and explain the mechanisms of a variety of organic reactions.
   • To apply molecular orbital analysis to reaction mechanisms.
   • To recognize spectral data obtained from mass spectrometry, infrared spectroscopy, and nuclear magnetic resonance spectroscopy.
   • To be able to use spectral data from the analytical tools to identify organic molecules.
   • To know the nomenclature, preparation and reactions of: alkanes, alkenes, alkynes, alcohols, amines, and alkyl halides.
   • To distinguish between the three-dimensional shapes of organic molecules and explain how those shapes affect reactivity.
   • To plan organic synthesis and apply retro-synthetic analysis.

d. Student Learning Outcomes - Students will be able to:
   • Recognize simple alkanes, alkenes, alkynes, alcohols, amines, and alkyl halides and know the shape of each functional group.
   • Be able to name in a systematic manner simple organic compounds such as alkanes, alkenes, alkynes, alcohols, amines, and alkyl halides.
   • Recognize and distinguish constitutional, configurational and conformational differences in organic molecules.
   • Construct three-dimensional models of organic compounds.
   • Draw the mechanisms: electrophilic addition, radical halogenation, S_N2, S_N1, E1, and E2.
   • Interpret simple spectral data.
   • Use organic reactions in 3- or 4-step synthesis.
   • Apply molecular orbital theory to chemical information.
2. Course materials:
Sorry, no... having survived gen chem, even passed it with an A, isn’t enough to learn organic chemistry. You’ll have study! I know; your friends are taking easy credits and you must work!? That’s so unfair; I should give you all A’s only for showing up... right? I’ll think about it (not really); in the meanwhile, you may want to gather the materials you will need for this class, just in case I will decide to expect you to learn for good!

Textbook: Solomons, Fryhle, and Snyder, Organic Chemistry, 12nd Ed., Wiley, 2016 (ISBN 9781119442844) is required. This is in the bookstore and it is a package that includes the textbook (looseleaf), ebook, “WileyPlus” organic online homework system, and solutions manual. It is the book you likely used for Chem 2201. If you choose not to purchase the solutions manual, then the ISBN is 9781119442868. Copies of the textbook and the solutions manual are on reserve in the Paley Library.

A molecular model kit, available in the bookstore for about $20 or from the student club (TUCS, 228BE) for $15, is also strongly recommended. The model set, regardless of where you purchased it, can be returned to the TU Chemical Society (student club) for refund at the end of the spring semester. The text “Organic Chemistry” 5th Ed., WWNorton by Jones and Fleming (ISBN 978-0-393-91303-3) provides more depth on organic chemistry and it is also available at the reserve desk in the Library.

Online Homework: WileyPlus is our web-based, online homework system. Online homework using the WileyPlus system will be assigned in your course. There will be assignments for each chapter found by going to the WileyPlus Login page which will be provided for you. There is an online help desk that can be accessed (http://support.wiley.com) if any technical difficulties are encountered. The “WileyPlus” program has a self-assessment tool called Orion that will show how you are doing throughout the semester. In order to sign up, browse for “CHEM 2201-2202 Ramella”.

Canvas: A Canvas site will be set up for this course. Please check that you are registered and can access this course on Canvas. Announcements and e-mails will be sent out via Canvas so it is imperative that you check this web site and your Temple email account on a regular basis. Supplemental materials, messages and schedule adjustments will be posted there. Class rankings and stats may be posted on this site so you can get a feel for how you are doing in the course.

3. Attendance and schedule of classes
Good boy/girl; you went to the bookstore and spent a ton of money for the materials listed in section 2. Now, since you bought them, you might as well use them!

Your attendance to lectures, recitations and labs, although not mandatory, is expected. Given the very small number of students, I will be able to quickly spot who is missing in class. It is in your best interest to keep up with the fast pace of this course! So please come to class every day, even though I am a terrible teacher...

Class are schedules as follows:
- Lectures, TR 5.30-7pm in BE 162 - I swear it was not my choice to schedule them so late in the evening! Don’t blame me for this!
- Recitations, T 7.00-7.50pm (section 17) or R 7.00-7.50 (section 18) in BE 413 – This kinda was my fault... but really, once you’re spending the night in Beury, might as well stick around a bit later and have fun. Also, you don’t have to see me on more days! Come prepared, after having read (or at least skimmed) the relevant sections of the textbook. The schedule of classes is found on Canvas; I expect you are capable of using the book’s table of content to match chapters and sections to concepts covered in lectures and recitations.

4. Teaching staff
- Instructor: Daniele Ramella, daniele.ramella@temple.edu; 215-204-1931; Office: 126B
Office Hours. Feel free to stop by any time my door is open. Generally, I am around during the mornings, 8.15ish-12.30 on TR and 8.15ish-2.30pm on MWF. If you would like to meet with me in the evening, ask and we’ll find a time that works.
- Peer teachers: Sophia Adler (tug59561@temple.edu) and Jacob Ruch (tug49769@temple.edu)

5. If something goes wrong: my goal for the semester is to end it with all of you and for you to have a good experience, but in case something unexpected happens, there are a few options. Please, come see me though, before you drop the class; a poor grade on some assignments does not automatically mean you cannot pass the class, so come discuss your situation, before making your choice!
- Drop/Add: During the first week of the semester you may add/drop/switch section with my permission. The last day to drop is Friday 9/09/2018.
- Withdrawal: The last day to withdraw from a course is 10/22/2018. The withdrawal policy is set by the University: http://bulletin.temple.edu/undergraduate/academic-policies/withdrawal-policies/.
• **Incompletes:** In case the semester cannot be completed, a temporary grade of “I” may be assigned. Please review the “incomplete coursework” policy for more information, at [http://bulletin.temple.edu/undergraduate/academic-policies/incomplete-coursework/](http://bulletin.temple.edu/undergraduate/academic-policies/incomplete-coursework/).

6. **Assessments and grades**  
*This is the only part you probably care about. How to pile up enough points to get a good grade!*  

- **Testing Policy:** All tests are given in a "Closed Books" environment. No books, notes, or reference material may be consulted during any test. You can use model sets during the exams. Giving or receiving information during examinations is a violation of the Temple Student Discipline Code and will result, at minimum, in 0 score on the assignment. Electronic devices, including calculators, phones, and PDA’s are not permitted in the exam room. You will be held responsible for all the material and assigned problems in the scheduled chapters, except for any sections that your instructor specifically tells you that you may exclude. Cell phones are to be turned off during exams. Calculators are not needed in 2201.

- **Exams:** There will be a Gen Chem review exam, three midterm exams, and a final exam. Exam questions will be in similar format to assigned recitation worksheets and/or on-line homework problems. The American Chemical Society (ACS) standardized exam will serve as the final exam. Study guides for the ACS final can be found in the reserve library in 201 EA.

- **Make-up Exams:** Talk to me if you have a reasonable excuse to take the exam at a different time/day. Please contact me before missing a scheduled exam if you’d like to discuss your options.

- **Recitation worksheets:** Recitation worksheets are problem sets designed through solidifying concepts during recitation; you are strongly encouraged to work in groups on these sheets and to ask as many questions as needed to your TA. Such worksheets are due for on-line submission onto canvas at the end of the week and will be graded for completion (not correctness); no credit will be given if no effort is detected. If you tried and got it wrong, it is OK; it is part of the process of learning. Again, it is acceptable to work on these assignments in groups but every group member needs to contribute!

- **Recitation Quizzes:** The quizzes are designed to prepare you for examinations and to make sure you understand key materials and concepts. Quizzes will work in the following way:  
  o Hard copies of take home quizzes are passed out at the end of Tuesday’s lecture  
  o They are to be turned in at the beginning of Thursday’s lecture  
  o During the first part of Thursday’s lecture, I will RANDOMLY call some students to show the answers on the board (they will not have access to the paper they just turned in, but only to blank copies)  
  o If a student cannot explain the solutions they wrote on the paper they turned in, they will not receive credit for that week’s quiz.

- **Online Homework:** WileyPlus is our web-based, online homework system. Online homework using the WileyPlus system will be optional in this course. On Canvas, in the “files/week 0” folder, you will find instructions on how-to sign up. My suggestion is that you use these assignment as a way to review for the final (ACS standard) exam at the end of the semester, but all assignments will be open all semester for practice.

- **Grade breakdown** *(nothing will be dropped)*:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm Exam 1</td>
<td>200</td>
</tr>
<tr>
<td>Midterm Exam 2</td>
<td>200</td>
</tr>
<tr>
<td>Midterm Exam 3</td>
<td>200</td>
</tr>
<tr>
<td>Final</td>
<td>200</td>
</tr>
<tr>
<td>Worksheets and on-line HW</td>
<td>50</td>
</tr>
<tr>
<td>Quizzes</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1000</strong></td>
</tr>
</tbody>
</table>

- **Curve.** *I probably just said the only word that gets a college student excited!* No individual exams, quizzes or other assignments will be curved. Ever. Letter grades will be based on the natural breaks in the distribution of the class at the end of the semester. Don’t worry much about averages; instead, focus on learning and performing well in everything you do. The more points you pile up, the more likely you will be to earn an A.

7. **Some Friendly Advice:** Organic Chemistry is a difficult course. For many of you it will be the most difficult and time-consuming course you take in your college career. You can make it easier on yourself by doing the following:

- Do as many problems as you have time for beyond those assigned. Even if they are from another book, the practice will help.
- Study regularly. If you fall behind, it's hard to catch up.
- You should understand theory and method. You may try to memorize definitions and summaries at the end of each chapter, but there is too much material to memorize it all.
- Form Study groups. These are very helpful. Be an active contributor in your group.
If you have a problem with the material, seek help immediately. Make use of instructor office hours and additional time that I can give you. If I am in my office and the door is open, you are more than welcome to come in and ask questions. Don’t wait until the last minute!

Organic Chemistry is like learning a new language. There is fundamental terminology that must be incorporated in your vocabulary. Then there are concepts you will learn and you will be asked to apply the concepts in scientific analysis.

8. Other stuff. (Shhh... Just trying to make this syllabus as long as possible!)

- Cheating: The University has a specific approach to cheaters; it is included in the Student Code of Conduct, which you may find at http://policies.temple.edu/getdoc.asp?policy_no=03.70.12. My policy is: “please don’t cheat, it is not nice.”
- Student Rights and Responsibilities: The University has a policy also on Student and Faculty Academic Rights and Responsibilities: http://policies.temple.edu/getdoc.asp?policy_no=03.70.02
- Extra Help is available at the Tutoring center: CLASS, http://www.temple.edu/class/
- Disability: If your learning or test taking processes are affected by a recognized disability, please contact me as soon as possible. We will make a plan to address it. You will also need to contact Disability Resources and Services (DRS) at 215-204-1280 in 100 Ritter Annex, http://www.temple.edu/disability, to obtain the needed documentation, but do not rely solely on the letter I automatically receive from them. If you come see me in person, we can make a detailed action plan to make your experience as enjoyable and productive as possible.