

Syllabus and Course Information for

# Organic Chemistry I

## CHEM 2321-001

### Spring 2016

<b>Text &amp; Required Material</b>	Organic Chemistry, 2 <sup>nd</sup> Ed. David Klein Recommended: Student Study guide and Solutions Manual Recommended: Model Kit i-clicker remote		
<b>Place</b>	Room 114 Chemistry Research Building (CRB 114)		
<b>Time</b>	Monday, Wednesday & Friday @ 9:00 am – 9:50 am		
<b>Instructor Information</b>	Dr. Jennifer Rhinehart Science Hall 300 E (817)272-1091 rhineh@uta.edu <b>(Please include “CHEM 2321” in subject line.)</b>		
<b>Office Hours</b>	Monday and Wednesday 10:00 am – 12:00 pm Tuesday and Thursday 3:30 pm – 4:30 pm		
<b>Grading</b>	4 Exams	15% each	A ≥ 89.0%
	Final Exam	25%	B ≥ 75.0%
	Clickers	5%	C ≥ 65.0%
	Workshops	10%	D ≥ 55.0%
			F ≤ 45.0%
<b>Important Dates</b>	Jan 19	First Day of Classes	
	Feb 3	Census Date	
	Apr 1	Last day to drop	
	Mar 14-19	Spring Break – No Classes	

### Course Content

Students who complete this course successfully should be fully conversant with the following subject areas. Correctly name organic compounds using IUPAC nomenclature, or, given an IUPAC name depict the molecular structure. Accurately represents the structure of any organic compound, both on paper and also in three dimensional space using models or drawings. Account for the physical properties and chemical reactivity of any organic compound on the basis of molecular structure. Predict the outcome of an organic reaction, given the identities of the reactants. Recognize important substances and chemical processes which have practical applications in household, laboratory, industry and medicine. Use the theoretical concepts of reactive intermediates, molecular orbitals, hybridization, resonance, tautomerism and polarity in discussing the structure and reactivity of organic compounds.

## Class Schedule

	Jan. 20 Class Intro/ GC Review (Ch1)	Jan. 22 GC Review (Ch 1)
Jan. 25 Workshop #1	Jan. 27 Molecular Rep. (Ch 2)	Jan. 29 Molecular Rep. (Ch 2)
Feb. 1 Workshop #2	Feb. 3 Acids-Base (Ch 3)	Feb. 5 Acids-Base (Ch 3)
Feb. 8 Workshop #3	Feb. 10 <b>Exam I</b>	Feb. 12 Alkanes (Ch 4)
Feb. 15 Alkanes (Ch 4)	Feb. 17 Alkanes (Ch 4)	Feb. 19 Workshop #4
Feb. 22 Stereoisomerism (Ch 5)	Feb. 24 Stereoisomerism (Ch 5)	Feb. 26 Workshop #5
Feb. 29 Ch5/Mechanisms (Ch 6)	Mar. 2 Mechanisms (Ch 6)	Mar. 4 Workshop #6
Mar. 7 <b>Exam II</b>	Mar. 9 Substitution Rxn (Ch 7)	Mar. 11 Substitution Rxn (Ch 7)
Mar. 14 SPRING	Mar. 16 BREAK	Mar. 18 NO CLASS
Mar. 21 Workshop #7	Mar. 23 Ch7/Elimination Rxns (Ch 8)	Mar. 25 Elimination Rxns (Ch 8)
Mar. 28 Elimination Rxns (Ch 8)	Mar. 30 Workshop #8	Apr. 1 Addition Rxns (Ch 9)
Apr. 4 Addition Rxns (Ch 9)	Apr. 6 Workshop #9	Apr. 8 <b>Exam III</b>
Apr. 11 Alkynes (Ch 10)	Apr. 13 Alkynes (Ch 10)	Apr. 15 Workshop #10
Apr. 18 Radical Rxns (Ch 11)	Apr. 20 Radical Rxns (Ch 11)	Apr. 22 Workshop #11
Apr. 25 Synthesis (Ch 12)	Apr. 27 Workshop #12	Apr. 29 <b>Exam IV</b>
May 2 Alcohols/Thiols (Ch 13/14)	May 4 Alcohols/Thiols (Ch 13/14)	May 6 Workshop #13
	<b>May 11 5:30 pm to 8:00 pm</b>	

**\*Note:** As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Jennifer L. Rhinehart

### Key Notes:

- General Chemistry I & II are pre-requisite for this course.
- Your circled letters on the test-sheet **MUST** be the same as the bubbled-in letters on your scantron card (type 882-E). No later complaints or corrections will be accepted or allowed! **Each student is responsible for furnishing the Scantron answer sheets (type 882-E) for the examinations.** Scantrons are to be used for answering multiple choice questions only and should be free of notes when used. No books, no caps, no cell phones, no music devices etc.

3. Make-up examinations will **NOT** be given. Academic make-ups will need to be completed before the exam is given. However, the final exam score will replace the lowest mid-term exam score if it is to the student's benefit. The final exam score will not be replaced.
4. Your performance will be evaluated by and course grade determined from the scores received on the four exams, workshops, i-clicker score and the comprehensive final examination according to the grading scale above.
5. **i-clicker:** We will use i-clickers in class every day. You will need to register your clicker on blackboard under the tab i clicker. We will begin using clickers **Friday Jan. 22<sup>nd</sup>**. You must obtain a physical clicker, no phone apps will be allowed. You will earn points by answering in class questions and receive 0.9 points for answering and 0.1 points for getting the question correct.
6. **Workshops:** I have designed lectures this semester with limited examples. We will use workshops to work through examples problems in small groups (4-5 students). Workshops are design to be completed in class. Workshop grades will be divided into three parts, completing the workshop (40%), group participation (20%), and a 10 minute quiz at the end of the workshop (40%). I will assign groups the first two workshops and you will select your forever group for workshop #3.

### **General Notes:**

1. At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, I have elected to take attendance via i-clicker by in class participation which will count for 5% of your overall grade. We will also have workshop days which account for 10% of your grade.
2. **Examinations Policy: READ THIS VERY CAREFULLY!** For examinations, students will be required to present current UTA ID. **Exams turned in by students without ID will not be graded.** Only simple arithmetic calculators will be allowed, no complex graphing and equation-storing calculators will be permitted (for obvious reasons). During examinations, students must hand in their exam papers when they leave the room for any reason. After this, the student **cannot** return and resume the examination. A student who arrives late for any examination will be allowed to take the examination **only if no other student has finished the exam and left the room. Students must be in line to turn in their exams at the end of the exam period or it will not be graded.**

The evening before the exam a seating chart will be posted on blackboard with your assigned seat. You must take the exam in your assigned seat. If you take an exam in the incorrect seat your exam will not be graded. During the exam you must place all belongings to the sides of the classroom. You may not have anything at your feet.

3. **Exam Re-grade Policy:** If you feel an exam question was graded incorrectly you may submit your exam to be re-graded the same day you exam is returned with a written statement as to why your answer is correct. Your entire exam will be re-graded. You will have **one** opportunity for an exam re-grade if you do not exceed 5 points returned. All exam grades are considered final 1 week after the exam is returned.
4. **Expectations for Out-of-Class Study:** Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 9 hours per week of their own time in course-related activities, including reading required material, working book problems, preparing for exam, etc. Students with a weak background in General Chemistry may find that they need to spend much more than 9 hours per week in study.

5. **Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/aao/fao/>).
6. **Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.
7. **Title IX:** The University of Texas at Arlington is committed to upholding U.S. Federal Law "Title IX" such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).
8. **Academic Integrity:** Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

9. **Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.
10. **Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

11. **Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.
12. **Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.
13. **Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

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| 14. <b>Emergency Phone Numbers:</b> In case of an on-campus emergency, call the UT Arlington Police Department at <b>817-272-3003</b> (non-campus phone), <b>2-3003</b> (campus phone). You may also dial 911. |
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