Syllabus
CH 201-103
3 Credit Hours
Fall, 2015
8:00-9:15 am T, R
Rm 101, Chemistry Bldg
Dr. Richard Rogers

Office: Rm 241               Office phone: (251) 460-7426
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**Cell Phones, etc:** Please turn all electronic communication devices off. If you find yourself in dire need to communicate with someone outside of the classroom during lecture period, then please leave. If any electronic device with either a programmable memory or communications capability is used during an in-class exam, your score on that test will be “0”.

**Course Description:** Fundamentals of structure and chemical behavior of organic molecules including nomenclature, properties, structure, stereochemistry, spectroscopy (including infrared and nuclear magnetic resonance), reactions, synthesis and mechanisms of alkanes, alkenes, alkyl halides, and alcohols.

**Pre-requisites:** CH 131/CH 132L or CH 141/CH 141L . **Co-requisite:** CH 201L

**Course Format:** This course is taught as a traditional lecture course with web enhancements. We will use computerized, online homework problems supplied by Sapling Learning (see below).

**Desired Outcome for this Course:** Students gain a sufficient understanding of organic chemistry such that they can solve rudimentary problems involving this science. While much memorization of basic facts is necessary, a premium is placed upon understanding and problem solving. In short you must continue to improve your ability to think. Additionally, organic chemistry forms an essential foundation for success in courses and careers in biology, biochemistry, and all medically related professions.

**Organization/Grading:** I use the same outline for my lectures as is used by your text. Thus, should you not understand a subject, you can usually find additional information in the text. Copies of the lecture notes will be available at the Chemistry Department’s Web page>Faculty/Staff>Richard Rogers. You should download these before class and take notes on them. It is essential that you know all of the reactions. I suggest that you list each reaction on a separate note card (reactants on the front,
products on the back), and go through your stack of note cards everyday. You must also understand and be able to interpret infrared and NMR (both $^1$H and $^{13}$C) spectroscopy data. The tests will be very similar to the questions that you find at the end of each chapter in your textbook. There will be three hourly exams each of which will be comprehensive up to the date of the test. Should you miss a test (there are no make-up tests), your test score will be “0”. The average of these tests will constitute 54% of your course grade (each test score is 18% of your grade). There will be one take-home exam. The score on this test will constitute 25% of your course grade. The final exam will be the ACS Standardized test. Your score on this will constitute 21% of your course grade. With the exception of the ACS Final, which is scaled to the national average, your grades will not be scaled. On occasion, I may also give Earned Credit Problems. If given, the score earned will be added to your previous hourly exam grade. Letter Grades: 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F.

Attendance: While I do not take attendance regularly, statistics show that if you do not attend class, you will do poorly in the course. Earned Credit problems are handed out without notice. If you are not there, you do not get one.

On-Line Learning: We will be using a computerized learning supplement supplied by Sapling Learning (the cost is $36.00 per semester or $54.00 for 2 semesters). The due dates for each assignment generally follows the chapter assignments shown below, but are absolutely given when you check in at Sapling Learning. Students who work the assigned problems at Sapling Learning and earn a score of 60% or above per chapter, will receive Earned Credit Points (ECPs). These ECPs will be added to your test scores. A score of 60-77 will earn 2 points/chapter: 78-92 will earn 3 points/chapter; 93-100 will earn 4 points/chapter. To sign up, use the following instructions:

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Sapling Learning - Organic Chemistry Question Sets

Students:
1. Go to http://saplinglearning.com and click on your country (“US Higher Ed” or “Canada”) at the top right.
2a. If you already have a Sapling Learning account, log in and skip to step 3.
2b. If you have a Facebook account, you can use it to quickly create a Sapling Learning account. Click “Create an Account”, then “Create my account through Facebook”. You will be prompted to log into Facebook if you aren’t already. Choose a username and password, then click “Link Account”. You can then skip to step 3.
2c. Otherwise, click "create account". Supply the requested information and click “Create my new account”. Check your email (and spam filter) for a message from Sapling Learning and click on the link provided in that email.
3. Find your course in the list (you may need to expand the subject and term categories) and click the link.
4. Select a payment option and follow the remaining instructions.
5. Work on the Sapling Learning training materials. The activities, videos, and information pages will familiarize you with the Sapling Learning user environment and serve as tutorials for efficiently drawing molecules, stereochemistry, etc. within the Sapling Learning answer modules. These training materials are already accessible in your Sapling Learning course.

Once you have registered and enrolled, you can log in at any time to complete or review your homework assignments. During sign up – and throughout the term – if you have any technical problems or grading issues, send an email to support@saplinglearning.com explaining the issue. The Sapling support team is almost always more able (and faster) to resolve issues than your instructor.

To optimize your Sapling Learning experience, please keep your internet browser and Flash player up to date and minimize the use of RAM-intensive programs/websites while using Sapling Learning.

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**Academic Disruption Policy:** This class strictly follows the University of South Alabama’s policy regarding academic disruption. This policy can be found in *The Lowdown*. I encourage you to get a copy and read it! (http://www.southalabama.edu/lowdown)

**Academic Conduct Policy:** This class strictly follows the University of South Alabama’s policy regarding student academic conduct. This policy can be found in *The Lowdown*. I encourage you to get a copy and read it! (http://www.southalabama.edu/lowdown)

**Students with disabilities:** any student with a disability and is registered with the Office of Special Student Services, must notify me in writing no later than the end of the first week of class to ensure proper student accommodation.

Schedule*
Aug 18, 20  Ch 1
Aug 25, 27  Ch 2
Sept 1, 3  Ch 3
Sept 8  Problem Solving
Sept 10  Test 1
Sept 15, 17  Ch 4
Sept 22, 24, 29  Ch 5
Oct 1, 13, 15  Ch 6
Oct 20  Test 2
Oct 22, 27, 29  Ch 7
Nov 3, 5  Ch 8
Nov 10, 12, 17  Ch 15, 16
Nov 19  Test 3
Nov 19  Take Home Test
Nov 24  Ch 9
Dec 1  Ch 10
Dec 3  Ch 11
Dec 3  Take Home Test due
Dec 8 (8:00 am)  ACS Final Exam

* This schedule should be considered as approximate.