

## **CHEM 2411; Organic Chemistry (Part 1)**

**Spring 2007, T, Th: 12.30 am – 1.45 pm**

**Instructor:** Dr. Anne Gaquere: Office: TLC 2-119; Phone: (678) 839-6026; email: [agaquere@westga.edu](mailto:agaquere@westga.edu)

**Office Hours:** M, W: 8.00 am – 1.00 pm.

**Required Textbook:** “Organic Chemistry” by John McMurry, 6<sup>th</sup> Edition, the Study Guide and Solutions Manual.

**Highly Recommended:** “Preparing for Your ACS Examination in Organic Chemistry: The Official Guide”

**Class material:** Lectures notes (slides).

WebCT Vista will be used for this course, in order to provide a permanent link between the students and the instructor. Grades will be posted on Vista, as well as the syllabus, the lecture notes, homework and other relevant information. Information posted on Vista is supposed to be known by the student.

**Course Objective:** The goal of this course is for you to acquire the fundamental principles and concepts of Organic Chemistry and to use them to solve Organic Chemistry problems. You will utilize and build on these concepts in CHEM 3422 (Organic Chemistry, part 2).

### **Tests schedule:**

1<sup>st</sup> exam: Chapters 1, 2, 3: Thursday January 25<sup>th</sup>,  
2<sup>nd</sup> exam: Chapters 4, 5, 6: Tuesday February 27<sup>th</sup>,  
3<sup>rd</sup> exam: chapters 7, 8: Thursday March 29<sup>th</sup>,  
4<sup>th</sup> exam: Chapters 9, 10, 11: Tuesday April 24<sup>th</sup>.

**Final: Thursday May, 4<sup>th</sup>, 11 am – 1 pm**

**Grades:** A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 0-59.

**Final Grade:** The final grade will be based on the average from the final exam and the test scores, since the homework assignments and the quizzes count as bonuses: Final grade = exam average

No make up tests will be given. If you miss a test for any reason (illness, death in the family, bad weather conditions, legal events, car problem and so on...), the test score of the exam you missed will be replaced by the score you obtained on the final exam. There will be no exception to this policy. If you happen to miss more than one exam, the

final exam score will replace for the grade of each exam you missed. No extra time will be given if you arrive late for a test for any reason.

Each test is an integrative examination built on previous knowledge acquired in the class. Be sure to understand and know everything you have learned in the class since the beginning of the semester since you may be tested on it at any time.

All examinations will be under the form of multiple choice questions, where no partial credit can be given. The final examination will be an integrative examination covering the knowledge acquired all along the semester. If there is a conflict with the final examination time, you must provide me the written authorization from the Dean of Arts & Sciences to move your final examination time. This note should be delivered to me at least two weeks prior to the scheduled final examination time.

### **Study Skills, suggested problems:**

For each exam, there is a list of exercises, from your manual (so that you have the solution) that you are supposed to study on your own. They will not be collected but it is strongly suggested that you attempt to do them since they will be part of the exams. Some homework problems will be collected; some of these questions will also be used for the exams. The exercises from the list of exercises from your book and the homework are not restricted, this is the minimum you should do to pass this class, so for extra practice, it is expected that you will attempt to solve more problems from your book. It is highly recommended that you use the Study Guide and Solutions Manual. The best way to make sure that you have understood the material covered in class is to work through the appropriate problems on a regular basis (every day). Also the website from the textbook provides with online quizzes that are an excellent source of problems to review for the exams. Bonus points may be offered for the exams under the form of unannounced quizzes at any time during the session. No Make up quizzes will be allowed for any reason. Finally READING the book and the slides is the very first step towards success in this class, the second step being to practice and practice and practice some more. Reading assignments will be given and they may be the object for unannounced quizzes.

### **Learning Outcomes**

Successfully complete written and oral assignments and examinations.

Understand the bases for organic chemistry.

Understand the structure/property relationships.

Know nomenclature of organic compounds.

Understand the concepts of mechanisms in organic chemistry, be able to identify and write mechanisms for organic chemical reactions.

Be able to design a simple organic synthesis based on the reactions learned in class.

### **Policies – Academic misconduct**

Cheating on a homework assignment or a quiz for the first time will result in a score of zero for that particular paper or quiz. If the student is caught cheating a second

time, his grade for the entire course will be an F. Furthermore, if a student is caught cheating on an examination, he will automatically receive a grade F for the entire course and I will inform the vice-president of academic affairs as well as the dean of the college. Any infraction will be taken before the disciplinary committee and played out to the fullest extent. Cheating will never be tolerated.

Attendance is mandatory to achieve success in such a course and will be monitored: at every session, by signing the attendance sheet or answering your name when roll is called. In order to be considered for a curve for a particular test (if a curve is given for that test) you must demonstrate that you have attended all my classes (by signing the attendance sheet for every class) prior to that test. No more than one unexcused absence will be allowed. Excused absences must be in writing accompanied by documented proof (such as a doctor's note).

Unsocial behavior such as talking during class or being disruptive will not be tolerated and you will be asked to leave the class and your attendance for that day will be cancelled.

Also, the use of cell phones or laptops is prohibited during the sessions at any time. Unless specific medical conditions, students will not be allowed to leave the classroom at any time but especially while taking an examination. Leaving the classroom during class time will result in losing the attendance for that day and during an examination it will be considered as being finished with the examination. Finally your seat for the examinations will be assigned to you.

### **List of exercises**

1.23, 1.24, 1.25, 1.27, 1.30, 1.41, 1.46, 1.47  
2.27, 2.28, 2.30, 2.35, 2.37, 2.41, 2.43, 2.44, 2.45, 2.49, 2.57  
3.29, 3.30, 3.32, 3.36, 3.39, 3.43, 3.44, 3.45, 3.49, 3.52  
4.24, 4.31, 4.34, 4.38, 4.49  
5.23, 5.24, 5.37, 5.39, 5.40, 5.43, 5.47  
6.23, 6.26, 6.29, 6.39, 6.40, 6.41, 6.42, 6.47, 6.48, 6.49  
7.23, 7.25, 7.26, 7.30, 7.32, 7.36, 7.43, 7.51  
8.19, 8.20, 8.22, 8.24, 8.29, 8.38, 8.43, 8.44, 8.46  
9.31, 9.32, 9.38, 9.40, 9.43, 6.45, 9.46, 9.48, 9.53, 9.55, 9.57, 9.65, 9.85, 9.86  
10.17, 10.18, 10.21, 10.22, 10.23, 10.31, 10.32, 10.33, 10.35, 10.38, 10.40, 10.42  
11.26, 11.27, 11.30, 11.31, 11.35, 11.36, 11.40, 11.43, 11.46, 11.48, 11.50, 11.53, 11.61, 11.63, 11.67

### **Extra credit:**

Extra credit may occur in the form of a bonus quiz. Although this is a pretty rare event, the decision belongs to the instructor only.

### **Communication:**

The official communication method will be through campus e-mail (MyUWG), no other form of communication will be accepted as this system only verifies the identity of the interlocutor.