

SYLLABUS
CHE 303, Organic Chemistry I
Fall, 2008

Credit: Three semester hours

Instructor: Dr. Jerry W. Cannon

Office: MCC 415

Phone: 925-3425(office), 624-2502(cell)

Fax: 925-3933

E-mail: cannon@mc.edu

Office hours: 2:00-5:00 Monday-Friday

Text: Carey, Francis A., *Organic Chemistry*, McGraw Hill, 7th ed., 2008. The accompanying Study Guide is highly recommended.

Class Meeting Time: Section A meets 8:00-8:50 MWF in MCC 402 and Section B meets 9:00-9:50 MWF in Hederman 312. Lecture examinations will be given during the prelaboratory sessions at 1:30 p.m. Monday afternoons in Self 210. See the examination schedule below.

Prerequisites: Chemistry 141 and Chemistry 142.

Corequisite: Chemistry 313. Students must either be taking CHE 313 or already have credit for it. Student not taking CHE 313 will be responsible for attending any portion of the laboratory periods dedicated to lecture material or tests.

Disclaimer: Although it is expected that the course will be conducted according to the following, modifications may be made if circumstances dictate.

Course description: This course includes a study of the fundamental types of organic compounds, their structure, nomenclature, classification, synthesis, typical reactions, and reaction mechanisms.

Rationale: This course will provide a fundamental understanding of organic chemical compounds and principles and how they are involved in everyday life as well as in advanced chemical studies, biochemistry, and medicine on a molecular level.

Attendance: Your attendance at all class meetings is expected. Roll will be checked each day. If a regular class meeting is missed, it is the student's responsibility to obtain any assignments or instructions that were given by the instructor and be prepared for any quiz. Missing a class is **not** an excuse for not preparing for the next class meeting or not having an assignment ready on time. **A student will receive a grade of F in the course immediately upon accumulating 12 absences, whether excused or unexcused.**

Student Objectives: The objectives of this course are to provide the student with the necessary knowledge and experience to be able to:

1. understand structural theory as it relates to organic compounds.
2. relate structure and nomenclature of compounds.
3. predict shapes of molecules, physical properties, and chemical properties of compounds when

- given the formulas of compounds.
- visualize the three dimensional structure of molecules and relate it to stereochemistry
 - predict the type of mechanism involved from the nature of the reactants and reaction conditions.
 - understand the mechanism and stereochemistry of alkane halogenation, nucleophilic substitution, elimination, and addition reactions.
 - relate the study of organic chemistry to biochemistry, medicine, and environmental studies.

Academic Integrity: Mississippi College students are expected to be completely honest in all aspects of the course. Dishonesty, such as cheating or plagiarism, will be regarded as a serious offense and will be dealt with according to the stated policies of the university. For details, see the current *Mississippi College Undergraduate Catalog*, the *Tomahawk*, and Policy 2.19.

Methods of Instruction: Classes will consist primarily of lecture and problem solving. The text will be followed as far as the general topics, but current material, especially relating to biochemical and medical aspects, will be added from other sources. Help sessions will be scheduled regularly.

Required Practices: Students are expected to read the assigned material to be covered in class prior to coming to class and be prepared each day to have a quiz on the reading assignment and/or the material covered in the preceding lecture. **The standing assignment is to read the next 10 pages of the textbook.**

Examinations and Grading:

Four 100-point examinations will be given **during the pre-laboratory period at 1:30 on Monday afternoons in Self 210**. The examination schedule is as follows:

Examination I September 15
Examination II September 29
Examination III October 27
Examination IV November 24

Makeup tests will be given **only** in case of excused absences and must be taken before the graded tests are returned. Ten-point quizzes will also be given throughout the semester. Some of these will be announced and some will not. No makeups will be given for these tests. **One 10-point quiz grade may be dropped, and if one is missed for any reason, that will become the drop grade. A grade of zero will be given for all other 10-point quizzes that are missed due to unexcused absences.** On any day, be prepared for a 10-point quiz that covers the preceding lecture and the next ten pages of the textbook. The course grade will be calculated on the basis of the percentage of the total possible points obtained.

The grading scale is :

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

The last day to drop a class without receiving a grade is October 31, 2008.