Chemistry 211-02 and -03 Syllabus Fall 2013
Organic Chemistry I Prof: Eric Tillman

Office Hours and Contact:
MWRF 3-4. Feel free to stop by, call, or email at other times as needed. Rooke Chemistry 307; Phone: 577-3265; email: etillman@bucknell.edu

Lecture sections (both in Rooke 116)
211-02: MWF 11-12 am
211-03: TR 9:30-11 am

Recitation sections (both in Rooke 116)
211-41: M 7-8
211-42: T 11-12

Exam Dates (all in Rooke 116)
Exam 1: W Sept. 25 at 7 pm
Exam 2: W Oct. 30 at 7 pm
Exam 3: W Dec. 4 at 7 pm
Final Exam: M Dec. 16 at 11:45 am

Quiz Dates (for section -02/-03)
Quiz 1: Sept 9/10
Quiz 2: Sept 16/17
Quiz 3: Oct 7/8
Quiz 4: Oct 21/22
Quiz 5: Nov 4/5
Quiz 6: Nov 11/12
Quiz 7: Nov 25/26

Course Materials:
Lecture:
Organic Chemistry by John McMurry
Molecular Structure Model Set for Organic Chemistry
Organic Chemistry as a Second Language by David Klein
Lab:
Organic Chemistry Lab Survival Manual by James Zubrick
Chemistry 211 Laboratory Operations Manual
Lab notebook
Goggles (no safety glasses)

Basic Course Information:
Lecture: Lectures will be used to present topics covered in the McMurry text (Chapters 1-10) as well as additional material. Any material covered in the lectures or appearing in problem sets or text problems may appear on exams and quizzes.

Recitation: The recitation section will focus on problem solving and complement the material learned in lecture.
Laboratory: Specific information about the laboratory portion of the course will be given to you at your assigned lab section. Your laboratory work is factored into your final course grade.

Grades:
The point breakdown is as follows:

Exam 1		100 points
Exam 2		100 points
Exam 3		100 points
Quizzes (total)		120 points
Final		200 points
Laboratory		100 points
Subtotal		720 points
	-	*Dropped Exam (100 points)*
	=	**620 total points**

There will be three exams (100 points each) as well as a final exam (200 points). Your lowest exam grade will be dropped.

There will be several short (~20 minute) quizzes given throughout the semester. These quizzes will be given on *Mondays* (section 02) or *Tuesdays* (section 03) at the beginning of the class, and returned the following lecture. Your lowest quiz will be dropped.

Lab accounts for 100 points in the course.

I do not collect or grade worksheets, problem sets, or homework problems. These are essential for your performance on Exams and Quizzes, and it's up to you to spend the time necessary to master the material.

Attendance and Absences:
You are expected to attend class regularly, but class role will not be taken. Although attendance is not a direct factor when computing your course grade, excessive absences may hurt you in a borderline case (such as a B minus/ C plus). If you miss a quiz or exam with an unexcused absence, that will be your lowest grade and it will be dropped. If an absence during an examination period is unavoidable, make arrangements with me as soon as possible.
All laboratory sessions must be completed for you to pass the course. Therefore, any missed labs must be made up at a negotiated time with your lab instructor during the semester.

Notes on the Course:
The material starts out slow and more basic, and builds on itself. If you keep up and learn the material as it is taught, you will do well in the course. It is your responsibility to keep up with course material and complete assigned work, and your performance on exams and quizzes will reflect this. You will be given problem sets, sample quizzes, and sample exams along with answer keys to help you prepare for your tests.

Moodle.
On Moodle, you will find:

- -Sample Quizzes (with keys) and Sample Exams
- -Worksheets for each topic we cover (with keys)
- -Lecture slides
- -Homework problems for McMurry and Klein

Academic Honesty:
Cheating is considered a very serious manner and will be dealt with as outlined by Bucknell procedure. Refer to the Bucknell Catalog and Student Handbook for additional information about academic dishonesty.

Course Topics: (corresponding McMurry Chapter)
Structure and Bonding (1)
Polar Bonds and Their Consequences (2)
Organic Compounds: Alkanes and Cycloalkanes (3)
Stereochemistry of Alkanes and Cycloalkanes (4)
Stereochemistry (5)
An Overview of Organic Reactions Reactivity (6)
Alkenes: Structure and Reactivity (7)
Alkenes: Reactions and Synthesis (8)
Alkynes: An Introduction to Organic Synthesis (9)
Alkyl Halides (10)

Learning Outcomes:
In Chemistry 211, students will:*
Expand their chemical vocabulary by being introduced to language and nomenclature used by organic chemists. (1, 3)
Learn fundamentals of structure and bonding as applied to organic compounds. (1,3)
Develop problem-solving skills by working on worksheets, homework assignments, and recitation problems (1,3,6)

*Numbers in parentheses related to "Chemistry Department Learning Outcomes". If you're interested in seeing these, I have posted a document containing them on Moodle.