

## CHEMISTRY 152

Fall 2007

INSTRUCTOR: Steve Fleming

OFFICE: C403 BNSN; 422-4054

OFFICE HOURS: T, Th 3:00-4:00

Webpage: [people.chem.byu.edu/safleming/chem152/](http://people.chem.byu.edu/safleming/chem152/)

**SUBJECT MATTER** - The wonderful world of Organic Chemistry. Our goal is to understand the nomenclature, properties, methods of formation, types of reactions, and characterization procedures for the various types of organic compounds.

**TEXT** - We will use Stoker's *General, Organic, and Biological Chemistry*, Chapters 12-17. Other texts may be useful (e.g. Ouellette's *Introduction to G.O.B.*, Carey's *Organic Chemistry*, or Loudon's *Organic Chemistry*) and are available in the library or can be checked out from my office.

**TESTING SCHEDULE** - You will have 2 hours to take each exam. We will not use class time to take the exams, but we will review the exams during class after they have been graded. The attached syllabus indicates the time for the three midterms, alternative times will be arranged for those who cannot take an exam at the scheduled time. The final will be a multiple-choice comprehensive exam.

**QUIZZES** - **There will be an in-class or take-home quiz approximately every other day.** The quizzes will be similar to the assigned problems at the end of each chapter. Each quiz will be worth 10 points. There will be a make-up quiz only if you have requested it ahead of time.

**GRADING** - I grade on a curve, but not a preset curve (i.e. 10% A's, 10% E's, etc). Your final grade will be based on the three midterms (300 pts), the quizzes (100 pts), and the final (100 pts) for a total of 500 possible points.

**PROBLEMS** - The assigned problems are the most representative of the material that one should assimilate. You may replace one quiz score with complete homework from 3 chapters. Homework is due the last day of the chapter's lecture.

**STUDENT ASSISTANCE** – Ben Buchanan is the Teaching Assistant (TA) assigned to this class. His office is C421 BNSN. He will have help sessions in C407 at the following times: Tuesday at 2:00pm, Wednesday at noon, and Thursday at 9:00am. I will schedule help sessions before each exam in addition to my regular office hours.

**HOLIDAYS** – There will be no class on October 18<sup>th</sup>.

| <u>Lecture Date</u>        | <u>Chapter</u>                         | <u>Assigned Problems</u>                   |
|----------------------------|--|--|
| Sept. 4, 6, 11, 13         | 12 Alkanes                             | 1-26, 31-34, 39-50, 57-75                  |
| Sept. 18, 20, 25, 27       | 13 Alkenes,<br>Alkynes, Aromatic rings | 1-14, 17-62                                |
| Thursday, Sept 27; 7:00 PM | EXAM #1                                | W112 BNSN                                  |
| Oct. 2                     | Review Exam #1                         |  |
| Oct. 4, 9, 11, 16          | 14 Alcohols,<br>Ethers                 | 1-28, 33-42, 49-68, 81-87                  |
| Oct. 23, 25, 30, Nov. 1    | 15 Carbonyls                           | 1-38, 43-46, 49-60                         |
| Thursday, Nov. 1; 7:00 PM  | EXAM #2                                | W112 BNSN                                  |
| Nov. 6                     | Review Exam #2                         |  |
| Nov. 7, 13, 15, 27         | 16 Acids,<br>Esters                    | 1-10, 31-34, 47-54, 57-70                  |
| Nov. 29, Dec. 4, 6, 11     | 17 Amines,<br>Amides                   | 1-15, 21-23, 29-32, 39-43,<br>51-65, 69-74 |
| Tuesday, Dec. 11; 7:00 PM  | EXAM #3                                | W112 BNSN                                  |
| Dec. 13                    | Review Exam #3                         |  |
| Wed., Dec. 19; 11:00AM     | FINAL EXAM                             | W112 BNSN                                  |