Syllabus for CHEM 272 – Organic Chemistry

Spring 2009, MWF, 10:30 am – 11:20 am, Bilger Hall 150

Instructor: Professor P. Williams  Assistant: Dr. Brad Ashburn
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Prequisite: CHEM 162, 171 or 181A. (C grade or better)

Student Study Guide/Solutions Manual (suggested)

Supplemental material: Molecular models (can be purchased at the UH bookstore). Any molecular model for organic compounds will do. They are highly recommended in order to help you visualize molecules in three dimensions.

Topics: Ch 1-15 - Chemical bond theory, acid-base reactions, functional groups, alkanes, stereochemistry, organic reactions, nucleophilic substitutions, eliminations, oxidations and reductions, chemical reactivity of alcohols, ethers, epoxides, alkenes, alkynes. Modern techniques for chemical characterization will also be covered (MS, IR, UV, and NMR).

Exams:
- Midterm Exams: Feb. 9 (In class)  Tentative Material - Ch. 1-4  (100 points)
- Midterm Exams: Mar. 9  Tentative Material - Ch. 1-8  (100 points)
- Midterm Exams: Apr. 17  Tentative Material - Ch. 1-12  (100 points)
- Final Exam: May 11, 9:45am – 11:45am – Bilger 150  (200 points)

In-Class Quizzes: 10 unannounced quizzes will be given in class. Quiz questions will be taken directly from the assigned problems. Each quiz is worth 4 points and graded as 4 points (>75%), 2 points (>50%), or no credit (0 points, <50%).

Extra Credit: Five unannounced quizzes will be given during the optional review session (time TBA) for extra credit. Each correct quiz (>60%) will be worth 1%, up to a maximum total of 5% applied to the final semester grade. There will be no other opportunities for extra credit nor will there be make up quizzes.

Semester grade: Final grades will be determined from the average of the raw scores. The following tentative scale will be used:
- A+ 90-100; A 85-89; A- 80-84; B+ 75-79; B 70-74; B- 65-69;
- C+ 60-64; C 55-59; C- 50-54; D+ 45-49; D 40-44; D- 30-39;
- F 29-0

Mid-term 1 100 points
Mid-term 2 100 points
Mid-term 3 100 points
Final Exam 200 points
In-Class Quizzes 40 points

Policies:
- There are no make up exams. Any missed exam will be considered a zero point exam.
- Students should inform the instructor for any prearranged professional trips (conferences or varsity sports) at the beginning of the semester
- Bring your student ID to all exams

Other important dates:
- Jan 12, First day of instruction
- Jan 19, Martin Luther King Day (No Class)
- Jan 20, Last day to drop courses without a “W” grade
- Feb 16, Presidents’ Day (No Class)
- Mar 13, Last day for in-person restricted withdrawals
- Mar 23-27, Spring Recess (No Class)
- Apr 10, Good Friday (No Class)
- May 6, Last Day of Instruction