**Department of Chemistry Syllabus**

This syllabi is advisory only. For details on a particular instructor's syllabus (including books), consult the instructor's course page. For a list of what courses are being taught each quarter, refer to the Courses page. *Every instructor has prerogative to teach the course as they see fit and ultimately the instructor's syllabus supersedes all others.*

***CHE 128A: Organic Chemistry***

Approved:

Suggested Textbook: (actual textbook varies by instructor; check your instructor)

Required: Brown, Foote, Iverson and Anslyn Organic Chemistry, Sixth or Seventh Ed. Recommended: Iverson and Iverson, Student Study Guide and Solutions Manual for Brown, Foote, Iverson and Anslyn's Organic Chemistry, Sixth Ed.; Organic chemistry molecular model kit.

Suggested Schedule:

Chapter 1 – Covalent Bonding and Shapes of Molecules

Chapter 2 – Alkanes and Cycloalkanes

Chapter 3 – Stereochemistry and Chirality

Chapter 4 – Acids and Bases

Chapter 5 – Alkenes

Chapter 6 – Reactions of Alkenes

Chapter 7 – Alkynes

Chapter 8 – Haloalkanes, Halogenation, and Radical Reactions

Chapter 9 – Nucleophilic Substitution and -Elimination

Additional Notes:

Prerequisite: course 2C with a grade of C or higher; chemistry majors should enroll in course 129A concurrently.

Learning Goals:

Chemistry 128A covers chapters 1-9 in the textbook. A solid understanding of the material in Chem 2 will be assumed. End of chapter problems are recommended as homework, although none will be collected/graded.