**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 128C: Organic Chemistry***

Approved:

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

Required: Brown, Foote, Iverson and Anslyn Organic Chemistry, Sixth 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:

1 Organometallic Chemistry (Read: Ch. 15)

2 Carbon-Carbon Bond Formation (Read: Ch. 24 and review Ch. 16-19)

3 Conjugated Systems (Read: Ch. 20-22)

4 Amine Chemistry (Read: Ch. 23)

5 Carbohydrates (Read: Ch. 25)

6 Lipids (Read: Ch. 26)

7 Amino Acids and Proteins (Read: Ch. 27)

If time permits:

8 Polymer Chemistry (Read: Ch. 29)

9 Nucleic Acids (Read: Ch. 28)

Additional Notes:

Prerequisite: course 128B, chemistry majors should enroll in course 129C concurrently.

Learning Goals:

Chemistry 128C covers Chapters 15 and 20-29 in the textbook. A solid understanding of the material in Chemistry 128A and B will be assumed. The course material is organized into the following "learning objective units," with the relevant chapter reading assignments provided