**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 129A: Organic Chemistry Laboratory***

Approved:

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

1) Wilcox and Wilcox, Experimental Organic Chemistry, A Small Scale Approach, Second Ed.; 2) Chemistry 129A Laboratory Manual; 3) laboratory notebook.

Suggested Schedule:

Introduction, Safety p. 3 - 39 and the 129A lab manual

Simple Distillation p. 43 - 69

Fractional Distillation p. 43 - 69

Vacuum and Steam Distillation p. 70 - 83

Melting Point Determination p. 84 - 89

Crystallization p. 89 - 97

Extraction p. 103 - 115

Chromatography p. 122 - 142

Synthetic Procedures p. 176 - 177, 327 – 330

Week Lab Meeting

1 lab check-in / start Experiment 1

2 finish Experiment 1 / start Experiment 2

3 finish Experiment 2

4 Experiment 3

5 Experiment 4

6 start Experiment 5

7 continue Experiment 5

8 finish Experiment 5 / Experiment 6

9 start Experiment 7

10 finish Experiment 7 / lab check-out

Additional Notes:

Learning Goals: