**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 129B: Organic Chemistry Laboratory***

Approved:

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

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

Suggested Schedule:

Check-in

Experiment I – Oxidative Coupling of Acetylenes

Experiment II – Preparation of n-Butyl Bromide via an SN2 Reaction

Experiment III – The Solvolysis of t-Butyl Chloride

Experiment IV – Preparation of 1-Octanol

Experiment V – Preparation of Triphenylmethanol via Grignard Reaction

Experiment VI – Preparation of Camphor from Camphene

Experiment VII – Aldehydes and Ketones Qualitative Analysis

Experiment VIII − Mixed Aldol Condensation: Dibenzalacetone

Experiment IX, X, and XI – A Multistep Synthesis of Dilatin

Check-out

Additional Notes:

Learning Goals: