

Chem 0330
Course Schedule
Spring 2017 (Term 2174)
Faculty Coordinator: Ericka Huston
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Texts:

Chem 0330 Organic Chemistry I Laboratory Manual Fall 2013-Summer 2014 edition by Ericka Huston, Tim Cunningham, and Chong Liu (yes we are utilizing last year's edition)

Student Laboratory Notebook: 100 Carbonless Duplicate Sets: Top Perforated by Hayden McNeil Publishing

Making the Connections² A How-To Guide for Organic Chemistry Lab Techniques 2nd edition by A.B. Padias

Activity	Laboratory Activity Title	Manual page number	Date
1	Welcome, Check-In, Safety, Common Functional Groups and Extraction Theory, Scientific Writing	Page 5	Jan 4 th
2	The Extraction of Benzoic Acid from a Mixture	Page 17	Jan 11 th
3	The Recrystallization of Benzoic Acid	Page 27	Jan 18 th
4	Analysis of Medicinally Active Compounds	CourseWeb Document	Jan 25 th
5	Physical Properties: Determining Melting and Boiling Points	Page 35	Feb 1 st
6	Gas Chromatography	Page 53	Feb 8 th
7	Column and Thin-Layer Chromatography: Spinach Pigments	Page 61	Feb 15 th
8	Infrared Spectroscopy	Page 69	Feb 22 nd
9	The Synthesis of Alkenes: The Dehydration of Cyclohexanol	Page 89	Mar 1 st
10	Sodium Borohydride Reduction: The Conversion of Benzophenone to Diphenylmethanol	Page 95	Mar 15 th
11	Nuclear Magnetic Resonance Spectroscopy	Page 103	Mar 22 nd
12	The Green Oxidation of Borneol to Camphor	Page 125	Mar 29 th
13	Nuclear Magnetic Resonance and Infrared Spectroscopy	Page 133	Apr 5 th
14	Review and Check-Out		Apr 12 th
15	Final Exam	Page 147	Apr 19 th