

109 學年度第二學期 有機實驗課程表

日期	實驗項目	值日生組別
2/22	Check in	
3/8	Electrophilic aromatic substitution reaction : Synthesis of <i>p</i> -nitroacetanilide from acetanilide	1,2
3/15	Williamson ether synthesis : Preparation of allyl phenyl ether	3,4
3/22	Claisen rearrangement : Rearrangement of allyl phenyl ether	5,6
3/29	Benzilic acid rearrangement : Rearrangement of benzil to benzilic Acid	7,8
4/5	補假	
4/12	The chemistry of aldehydes and ketones : Sodium borohydride reduction of acetophenone	9,10
4/19	Middle exam	
4/26	Aldol condensation : Synthesis of dibenzalacetone	11,12
5/3	Wittig reaction : Wittig olefination	13,14
5/10	Carboxylic acid and their derivatives : Hydrolysis of <i>p</i> -nitroacetanilide	15,16
5/17	Esterification : Synthesis of aspirin	17,18,19
5/24	Polyamide : Synthesis of nylon 10,6 Check out	20,21,22
5/31	補做週	
6/07	Final exam	

Textbook:

1. Fessenden, R. J.; Fessenden J. S. *Techniques and Experiment for Organic Chemistry*, Massachusetts, PWS, 1983
 2. Pasto, D.; Johnson, C.; Miller, M.; *Experiments and Techniques in Organic Chemistry*, New Jersey, Prentic-Hall, 1992
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