

THE COLLEGE AT  
O L D W E S T B U R Y  
STATE UNIVERSITY OF NEW YORK

**ORGANIC CHEMISTRY-I LAB SUMMER 2018**

**MAIN LAB S102**

**M-W, 9:00AM -1:00 PM**

**Instructor:** Khosrow Kashfi, PhD, FRSC  
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*CUNY School of Medicine*

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**Text:** Organic Chemistry Lab Manual, SUNY College at old Westbury

DATE	EXPERIMENT	PAGES	PROBLEMS
29-May	Check in and Melting Point (1, 2, 3, 4)	1-40, 41-60	P59 # 4, 6, 9
30-May	Recrystallization (1, 2, 5)	61-85	P85 # 1, 2, 6, 8
04-June	Distillation (1a, 2a, 6)	86-101	P104 # 6, 8, 13
05- June	Steam Distillation (1, 2)	102-130	P134 # 2, 4, 6
06-June	Extraction (1)	131-163	P163 # 1, 5, 7
11-June	Thin Layer Chromatography (1)	164-184	P192 # 2, 5, 9, 11
12-June	Column Chromatography (4)	185-204	P204 # 3 4
13-June	Chlorination (#1) & VPC Start Resolution of $\alpha$ -Phenylethylamine	205-219; 298-305 Handout	P305 # 1, 2
18-June	Completion of Resolution Exp		
19-June	Nucleophilic Substitution	290-297	P297 # 1, 2, 3
20-June	Alkenes from Alcohols (1)	305-311	P356 # 2, 3
25-June	Checkout; Lab Exam		

There are no make-up labs, lowest lab score is dropped. A lab report is due the day following the experiment (late reports, 1 point deducted each day, after 3 days report not accepted) and must include the following format:

- i) **Title and date;**
- ii) **Aim**, this is usually very short (one or two sentences) and gives the reader an idea of the purpose of the lab;
- iii) **Theory**, relevant equations and mechanisms if any and the general theory behind the lab is presented here;
- iv) **Materials**, list all the reagents, amounts, and equipment necessary for the experiment;
- v) **Method**, here you must write exactly what you did. This must be in the past tense and in the third person so that someone who knows nothing about the lab can follow what you did and be able to repeat the experiment. Please do not itemize the method(s) employed.
- vi) **Results**, here you will do your calculations, report any observations etc.
- vii) **Conclusion**, this is also very brief and must tie-in with your aim.

**Evaluation:**

Reports 70%  
Comprehensive lab exam 30%

**Grades:**

A >90	A- 87-89	
B+ 84-86	B 80-83	B- 77-79
C+ 74-76	C 70-73	C- 67-69
D+ 64-66	D 60-63	F <60

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