

Lab Schedule

The text is **Microscale and Macroscale Techniques in the Organic Laboratory** by Pavia, Lampman, Kriz, and Engel. A listing of the experiments to be carried out is tabulated below. It is possible that some changes may be made to this schedule, but those changes will be announced well ahead of time in recitation. Carefully note the "Text Sections" column of the Table, these pages provide the theoretical discussions of the day's work along with useful diagrams and background information on the techniques you will be using. I expect you to read these pages before lab. **The detailed experimental instructions are available via the web at this address: <http://jade6.truman.edu/~patter/organic/>. You are responsible for downloading each experiment on your own!**

<u>Date</u>	<u>Assignment</u>	<u>Text Pages</u>
1/15	No lab!!	
1/22	Orientation, Safety Discussion, and Check In	1-21
1/29	Crystallization -- Phthalic acid and benzoic acid from water	139-161, 101-112
2/5	Calibration of your Thermometer Melting Points of Crystallization Products and Unknowns	116-126
2/12	Solventless Reaction: Aldol Condensation	66-77
2/19	Fractional Distillation: Unk % of EtOH in H ₂ O	201-209, 220-236
2/26	Extraction of Acid/Neutral/Base	163-171, 177-185
3/4	Continuation: Extraction of Acid/Neutral/Base	163-171, 177-185
3/11	No Lab – Midterm Break	
3/18	Steam Distillation: Eugenol from Cloves	277-285, 171-177, 369-407
3/25	Optical Activity/Polarimetry, Biodiesel Synthesis	
4/1	Diels Alder Reaction	355-360
4/8	No Lab – ACS meeting	
4/15	A Friedel-Crafts Alkylation of Dimethoxybenzene	
4/22	Check out	
4/29	No lab	