

**Chem 344 - Introductory Organic Chemistry Laboratory  
Readings for experiments (updated 9/21/04)**

<u>Experiment</u>	<u>Lab Manual</u>	<u>Solomons, 7th</u>
Check in, safety, and general procedures	9-15, 135-138	
Spectroscopy	19-35, 181	76-84, 366-390
Separation of a Mixture by Extraction	37-44, 139-156, 165-172	101-105
Distillation	45-57, 157-164, 173-174	73-74
Thin layer chromatography	59-64	
SN1 & SN2 reaction	67-72	240-243, 249-251
E1 and E2 eliminations	73-75	265-273, 288-298
Esterification Reactions	79-84	111-112, 828-830
Oxidation of alcohols with bleach	83-86	539-540
Reduction of Benzoin, Acetal Formation	85-88	532-535, 734-737
Bromination of bibenzyl	93-94	692-696
Debromination of Stilbene Dibromide	95	303-304
Nitration of aromatic compounds	97-102	662-665, 667-668
Grignard synthesis	107-110	543-555
Friedel-Crafts acylation	111-116	662-665, 669-673
Aldol condensation	119-121	767-770, 776-783
Wittig synthesis of an alkene	125-126	745-748
Diels-Alder reaction	127-132	604-611