

THE UNIVERSITY OF TEXAS  
DEPARTMENT OF CHEMICAL ENGINEERING  
CHE 395E

Polymer Science and Engineering Laboratory  
Spring, 2019

SCHEDULE OF EXPERIMENTS

	TEAM A	TEAM B	TEAM C
Jan. 22		ORGANIZATIONAL MEETING	
Jan. 24	1	12	3
Jan. 29	3	1	12
Jan. 31	12	3	1
Feb. 5	5	4	6
Feb. 7	5	5	6
Feb. 12	5	5	5
Feb. 14	6	5	5
Feb. 19	6	6	5
Feb. 21	8	6	4
Feb. 26	8	8	7
Feb. 28	9	8	8
Mrch. 5	10	9	8
Mrch. 7	4	10	9
Mrch. 12	2	11	10

Mrch. 14	13	11	15
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**SPRING BREAK**

Mrch. 26	13	13	2
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Aprl. 2	11	13	14
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Aprl. 4	11	7	13
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Aprl. 9	7	2	13
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Aprl. 11	14	15	15
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Aprl. 16	15	15	11
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Aprl. 18	15	14	11
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Aprl. 23

Aprl. 25

Aprl. 30

**EXPERIMENTS**

<b>Expt. No.</b>	<b>Title</b>
1	Characterization of an Extruder Operated at Open Discharge
2	Determination of constants in Power Law Rheological Equations
3	Effects of Time and Temperature on the Mechanical Properties of Polyethylene
4	Effect of Molding Conditions on Mechanical Properties
5	Impact Modification of Nylon-6 (3 periods)
6	The Plasticization of PVC (2 periods)

- 7 Color Compounding of UT Orange
- 8 Polymerization of Methyl Methacrylate (2 periods)
- 9 Measurement of the Viscosity Average Molecular Weight of PMMA
- 10 Melt Index Testing of PMMA
- 11 A Study of Melamine-Formaldehyde Laminate Production (2 periods)
- 12 Compression Molding of Melamine-Formaldehyde Molding Compound
- 13 Preparation of Urethane Foams: A Structure-Property Correlation (2 periods)
- 14 Sheet Extrusion Operations
- 15 Phenoxy/Polyester Blends (2 periods)