Polymer Characterization
Spring 2021

Instructor: Professor Rong-Ming Ho
Contents: Characterization technologies and instrumentation as well as principles

Syllabus

1	**Introduction**
2	**Gel Permission Chromatography**
3	**Thermal Analysis: DSC and TGA**
4	**Dynamic Mechanical Analysis**
5	**Spectroscopy: UV & FTIR**
6	**Spectroscopy: ECD & VCD**
	Midterm
7	**LM and PLM**
8	**SEM and TEM**
9	**Tomography**
10	**Diffraction: WAXD, ED, and SAXS**
11	**Scanning Probe Microscopy**
12	**Surface Analysis**
	Final Exam

Grading

Midterm Exam	**50%**
Final Exam	**50%**