

Polymer Characterization

Spring 2024

Instructor: Professor Rong-Ming Ho

Syllabus:

- 2/21 Introduction
- 2/28 National Holiday
- 3/06 Class suspending (APS)
- 3/13 Gel Permeation Chromatography
- 3/20 Spectroscopy ECD & VCD
- 3/27 Thermal Analysis: DSC and TGA
- 4/03 Dynamic Mechanical Analysis I
- 4/10 Dynamic Mechanical Analysis II
- 4/17 Dielectric Instrument
- 4/24 Mid-term Exam
- 5/01 Microscopy I: LM and PLM
- 5/08 Microscopy II: SEM & TEM
- 5/15 Microscopy III: 3D TEM & Tomography
- 5/22 Diffraction: SAXS, WAXD & ED
- 5/29 Surface Analysis I: SPM
- 6/05 Surface Analysis II: XPS & SIMS etc
- 6/12 Final

Grading: Mid-term Exam 50%

Final Exam 50%

Teaching Assistant: TS