

Summer School: Molecules to Materials: Monomer Design and Advanced Polymer Synthesis

Duration: 6 Days (Tentative dates: 27th July-1st August 2026)

Tentative Schedule:

Date	Morning Lecture (10 am – 12:30 pm) Venue: Lecture Hall Complex	12:30 pm – 1:30 pm	Afternoon Experiment (1:30 pm – 4:30 pm) Venue: DCS General Lab AAC Building
27 July	Introduction to polymer science and details on thermal polymerization	Lunch Break	Thermal polymerization of styrene and MMA
28 July	Initiator-controlled polymerization		AIBN-initiated polymerization
29 July	ATRP		ATRP of PS/PMMA
30 July	Copolymerization		Styrene–MMA copolymerization
31 July	Design of various functional monomers and subsequent polymerization		Synthesis of an activated NHS ester monomer and subsequent polymerization
1 August	Mini Project: Execution, data collection		Data analysis and report submission