

Introduction to Structure & Properties of Macromolecules

Daily Schedule for June 20-22, 2012

All lectures are at the Inn at Virginia Tech and Skelton Conference Center, second floor. All events will begin promptly as scheduled. **PLEASE BE ON TIME.**

WEDNESDAY, June 20

8:00	–	8:30	AM	Welcoming and Outline of Course (Long)
8:30	–	9:45	AM	Survey of Polymer Science (Ward)
9:45	–	10:00	AM	Break
10:00	–	11:30	AM	Introduction to Step-Growth Polymerization (Long)
11:30	–	12:30	PM	Polymer Networks (Riffle)
12:30	–	1:15	PM	Lunch Together
1:15	–	2:25	PM	Free Radical Chain-Growth Polymerization (Long)
2:25	–	2:35	PM	Break
2:35	–	3:35	PM	Copolymerization (Riffle)
3:35	–	3:45	PM	Break
3:45	–	4:45	PM	Living and Controlled Polymerizations (Riffle)
4:45	–	5:35	PM	Viscoelasticity and Free Volume (Ward)
5:35	–	7:05	PM	Dinner, your choice
7:05	–	7:55	PM	Segmented Block Copolymers; Polyurethanes (Long)

THURSDAY, June 21

8:00	–	9:15	AM	Morphology (Moore)
9:15	–	10:45	AM	Characterization of Morphology (Moore)
10:45	–	11:00	AM	Break
11:00	–	12:15	PM	Polyolefins (Long)
12:15	–	1:00	PM	Lunch Together
1:00	–	2:00	PM	Thermal Analysis (Moore)
2:10	–	3:10	PM	Polymer Characterization I (Ward)
3:10	–	3:20	PM	Break
3:20	–	4:40	PM	Polymer Rheology I (Wilkes)
4:40	–	5:40	PM	Ring Opening Polymerization (Riffle)
5:40	–	7:10	PM	Dinner, your choice
7:10	–	8:10	PM	Polymer Rheology II (Wilkes)

FRIDAY, June 22

8:00	–	9:00	AM	Polymer Rheology III (Wilkes)
9:00	–	9:10	AM	Break
9:10	–	10:00	AM	Degradation and Stabilization of Polymers (Riffle)
10:00	–	10:10	AM	Break
10:10	–	11:10	AM	Block and Graft Copolymers (Riffle)
11:10	–	12:15	PM	Polymer Crystallization from the Non-Oriented State (Wilkes)
12:15	–	1:00	PM	Lunch Together
1:00	–	2:00	PM	Accelerated Testing (Ward)
2:00	–	3:15	PM	Strain-Induced Crystallization of Polymers (Wilkes)