

Date / Time	Monday, 4th	Tuesday, 5th	Wednesday, 6th	Thursday, 7th	Friday, 8th
Lecture 09:15 – 10:00	General Welcome BISS Headquarter	Responsive Polymers Seema Agarwal	Stimulus responsive and shape memory soft matter towards mimicking biology Olli Ikkala	Sonochemical synthesis of colloids Muthupandian Ashokkumar	Sonochemical synthesis of polymers Muthupandian Ashokkumar
Lecture 10:15 – 11:00	Introduction Polymers Mukundan Thelakkat	Responsive Polymers Seema Agarwal	Stimulus responsive and shape memory soft matter towards mimicking biology Olli Ikkala	Sonochemical synthesis of colloids Muthupandian Ashokkumar	Sonochemical synthesis of polymers Muthupandian Ashokkumar
Lecture 11:15 – 12:00	Introduction Polymers Mukundan Thelakkat	Seminar: Retro-synthesis of multifunctional advanced materials Markus Retsch	Stimulus responsive and shape memory soft matter towards mimicking biology Olli Ikkala	Metal nanocrystals-synthesis and spectroscopy Paul Mulvaney	Semiconductor nanocrystals-synthesis and spectroscopy Paul Mulvaney
12:00 – 13:30	Lunchbreak				
Lecture 13:30 – 14:15	Introduction Colloids Markus Retsch	Colloidal characterization methods Georg Papastavrou	Polymer nanofibrous nonwovens by electrospinning for advanced applications Andreas Greiner	Inorganic and metal colloids, properties, synthesis, characterization and applications Paul Mulvaney	Sizing nanocrystals by analytical ultracentrifugation Paul Mulvaney
Lecture 14:30 – 15:15	Introduction Colloids Markus Retsch	Advanced colloidal characterization techniques Georg Papastavrou	Polymer nanofibrous nonwovens by electrospinning for advanced applications Andreas Greiner	From molecular building blocks to supramolecular nanofibers Hans-Werner Schmidt	
15:15 – 15:45	Break				
Lecture 15:45 – 16:30	Campus Tour: Research infrastructure for polymers and colloids	Practical Course I: Self-assembled monolayers and diffraction	Practical Course II:	From molecular building blocks to superstructures with complex morphologies Hans-Werner Schmidt	