

CNSI NanoScience Lab Summer 2022 (tentative)

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	Registration				
8:30	Orientation				
9:00	Introduction to the Nanoscale	Homework Review			
9:30	Measurement at the Nanoscale <i>(Nanoscale Structures and Measurement Techniques)</i>	Nanoscience Hands-On Experiments (This list is tentative and subject to change)			Supercapacitors <i>(Energy Storage)</i>
		Plasmonics <i>(Nanoscale behavior with light)</i>	Biotoxicity <i>(Silver Nanoparticles and Applications)</i>	Photolithography <i>(Photolithography and the Top-Down Approach to Micro- and Nanofabrication)</i>	
12:00	Lunch and Networking Activities				
1:00	Speaker: TBD	Speaker: TBD	Guest Seminar Speaker: TBD	Speaker: TBD	Prepare for Presentations
2:00	Demonstration Lab (This list is tentative and subject to change)				Final Presentations
	1. Nano-Pico Characterization Lab 2. Diffraction challenge / guess the object! 3. Science game time!	1. UV-Vis + plasmonics worksheet 2. embedding in "glass" with PDMS 3. Scanning electron microscope	1. Transmission electron microscope 2. Advanced light microscopes 3. Yeast + gold	1. Cleanroom 2. Cyanotype 3. Challenge worksheet	
4:00	Review Discussion and Homework Assignment				
4:30					Closing Reception
5:00	End of Day				