

TENTATIVE 2025 SCHEDULE - RESIDENTIAL

Nanoscale Microscopy Schedule							
Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:45 AM - 9:00 AM		Registration					Students Check Out of Dorms
9:00 AM - 9:10 AM		Course Intro	Daily Overview	Daily Overview	Daily Overview	Prepare for Final Presentation	
9:10 AM - 9:30 AM		Intro to Nanoscale Microscopy	Fluorescence Microscopy	Intro to EM	Intro to Scanning Probe Microscopy		
9:30 AM - 10:00 AM				Pre-homework Papers Review	Seeing is Feeling		
10:00 AM - 10:30 AM		DIY Microscope	Sample Prep	Introduction to Electron Microscopy and Tomography	Intro to SPM	Final Presentations	
10:30 AM - 11:00 AM			Fluorescence Microscopy				
11:00 AM - 11:30 AM		Guest Lectures	Lunch	Lunch	Lunch		
11:30 AM - 12:00 PM			Final Project	HW Highlights	Final Project		
12:00 PM - 12:30 PM		Lunch	Confocal Imaging	EM Sample Prep Scanning Electron Microscope 3D Visualization	Hands-on Activities: STM simulator, AFM imaging, Magnetic AFM, Bio AFM, Image Processing AND Work on Final Presentation	Closing Reception	
12:30 PM - 1:00 PM		Guest Lectures					
1:00 PM - 1:30 PM						DIY Microscope Continued	
1:30 PM - 2:00 PM		Students Move In to Dorms	HW Overview	Journal Club	Work on Final Project	End of Program	
2:00 PM - 2:30 PM							
2:30 PM - 3:00 PM			Free Time, Dinner				
3:00 PM - 3:30 PM		Dinner in Dining Hall	Office Hours (Homework Help)				
3:30 PM - 4:00 PM							
4:00 PM - 4:30 PM							
4:30 PM - 5:00 PM	Welcome and Orientation (hosted by RAs)	Office Hours (Homework Help)					
5:00 PM - 5:30 PM							
5:30 PM - 6:00 PM							
6:00 PM - 6:30 PM		Office Hours (Homework Help)					
6:30 PM - 7:00 PM							
7:00 PM - 7:30 PM							
7:30 PM - 8:00 PM		Office Hours (Homework Help)					
8:00 PM - 8:30 PM							
8:30 PM - 9:00 PM							