

Schedule

Day One

Day One - Time	Topics
	Lectures, hands-on work, laboratory work and social events.
9:00-9:30 am	Brief introduction to nano
9:30-10:30 am	Nanoscience: new behaviors in physical systems
10:30-11:00 pm	Coffee Break
11:00-12:30 pm	Nanotechnology: applying insights across disciplines
12:30-1:30 pm	Lunch
1:30-3:00 pm	Survey of current applications and their supporting toolsets
3:00-3:30 pm	Coffee Break
3:30-4:30 pm	Tour of fabrication and metrology toolsets inside new MIT.nano facility
4:30-5:00 pm	Group exercise - project options and start

Day Two

Day Two - Time	Topics
9:00-9:30 am	Nano case - Materials / PV Part 1
9:30-10:30 am	Nano case - Materials / PV Part 2
10:30-11:00 pm	Coffee Break
11:00-12:30 pm	Nano case - Sensors part 1
12:30-1:30 pm	Lunch
1:30-3:00 pm	Nano case - Sensors part 2
3:00-3:30 pm	Coffee Break
3:30-4:30 pm	Nano case - Biology Part 1
4:30-5:00 pm	Nano case - Biology Part 2

Day Three

Day Three - Time Topics

9:00-9:30 am	The data side of nano - managing, processing,
9:30-10:30 am	The data side of nano - visualization
10:30-11:00 pm	Coffee Break
11:00-12:30 pm	Big data from small things - analytics
12:30-1:30 pm	Lunch
1:30-3:00 pm	Big data from small things - analytics
3:00-3:30 pm	Coffee Break
3:30-4:30 pm	Conclude design exercise with brief presentations by each group
4:30-5:00 pm	Final Q&A and wrap-up: what next