

INSTRUCTOR CONTACT INFORMATION

Terry Brough	broug001@umn.edu
Bryan Cord	bcord@umn.edu
Mark Fisher	fishe024@umn.edu
Paul Kimani	kima0004@umn.edu
Kevin Roberts	rober074@umn.edu
Lage von Dissen	matzk026@umn.edu
Tony Whipple	whipp003@umn.edu

Coral Equipment Name	Shortcourse Name	Instructor
afm	Atomic Force Microscope	Paul Kimani
av-etch	Advanced Vacuum RIE	Tony Whipple
aja-sputterer-1,-2	AJA Sputter System	Kevin Roberts
ald	Atomic Layer Deposition	Tony Whipple
asher	Oxygen Asher	Tony Whipple
canon	Canon Stepper	Tony Whipple
cpdryer	CP Dryer	Lage von Dissen
cviv	CVIV	Tony Whipple
dcsputter	DC Sputter System	Kevin Roberts
deeptrench	Deep Trench Etcher	Paul Kimani
ebevap-cha	CHA E-Beam Evaporator	Lage von Dissen
ebevap-temescal	Temescal E-Beam Evaporator	Terry Brough
eb-evap-varian	Varian Electron Beam Evaporator	Kevin Roberts
ellipsometer-g, ellipsometer-r	Ellipsometry	Paul Kimani
fib	FEI Focused Ion Beam	Kevin Roberts
four-point-probe	Four Point Probe	Kevin Roberts
hs-scope	Confocal microscope	Mark Fisher
laserwriter	Heidelberg Laser Writer	Mark Fisher
ionmill	Ion Mill	Kevin Roberts
ir-oven	Image reversal oven	Paul Kimani
jeol-sem	JEOL SEM	Kevin Roberts
ma6	MA6 Contact Aligner	Paul Kimani
maba6	MABA6 Contact Aligner	Paul Kimani
minibruite	Minibruite furnace	Tony Whipple
mjb3	MJB-3 Contact Aligner	Paul Kimani
nanoimprint	Nanoimprinter	Mark Fisher
nanospec-1	Nanospec	Paul Kimani
oriel	Flood Exposure System	Paul Kimani
oxford-etch	Oxford ICP etcher	Tony Whipple
oven	Photoresist Bake Ovens	Paul Kimani
uv-ozone-cleaner	UV Ozone system	Lage von Dissen
pecvd	PECVD	Mark Fisher

NFC SHORTCOURSE INSTRUCTOR LIST

June 2012

rta-1	Rapid Thermal Annealer	Mark Fisher
saw	Wafer Saw	Kevin Roberts
sb6	SB6 Wafer Bonder	Tony Whipple
scope	Optical Microscopes	Tony Whipple
resist process and aligners	Photolithography	Paul Kimani
srd	Rinser Dryer Systems	Tony Whipple
stresstest-2	FSM 900 laser stress measurement	Kevin Roberts
stresstest-3	Flexus stress measurement system	Kevin Roberts
stsetch	STS Etcher	Paul Kimani
surface-prof-p16	Tencor P16 Surface Profiler	Mark Fisher
surface-prof-3030	Dektak 3030 Surface Profiler	Kevin Roberts
thermal-evap	Thermal Evaporator	Kevin Roberts
trion 2	Trion 2	Kevin Roberts
tube21-ht-oxide, tube22-gate-oxide, tube 23-gen-oxide, tube 24-alloy	Tylan Oxidation Furnace	Tony Whipple
tube31-lsn, tube32-poly, tube33-nitride, tube34-lto	Thermco LPCVD Furnace	Tony Whipple
wb-rca, wb-sol, wb-etch, wb-koh, wb-maskmaking, wb-gen-1, wb-	Wet Benches	Kevin Roberts
	Mask Design	Mark Fisher & Tony Whipple
vistec	E-Beam Lithography	Bryan Cord
wirebond-1	Wire Bonder #1	Mark Fisher