

Analysis on the nanoscale KOO105

date	day	time	place	Subject	Teacher
3-Nov	mon	10-12	K:G	L1 Course overview; introduction to electron microscopy	KD
4-Nov	tues	10-12	K:G	L2 Introductory concepts in surface analysis	AM
5-Nov	wed	10-12	K:C	L3 The electron microscope	KD
6-Nov	thurs	10-12	K:M	S1a Introductory Concepts	KD
7-Nov	fri	13-15	K:M	S1b Introductory Concepts	KD
10-Nov	mon	10-12	K:G	L4 Scanning electron microscopy	KD
11-Nov	tues	10-12	K:G	L5 Transmission electron microscopy: imaging	KD
11-Nov	tues	13-15		SEM/TEM lab	RH,DJ
11-Nov	tues	15-17		SEM/TEM lab	RH,DJ
12-Nov	wed	10-12		no lecture	
12-Nov	wed	15-17		SEM/TEM lab	RH,DJ
13-Nov	thurs	10-12	K:M	S2a Imaging in SEM and TEM	KD
13-Nov	thurs	15-17		SEM/TEM lab	RH,DJ
14-Nov	fri	13-15	K:M	S2b Imaging in SEM and TEM	KD
17-Nov	mon	10-12	K:G	L6 Scanning probe microscopies	AM
18-Nov	tues	10-12	K:G	L7 Electron Diffraction 1	KD
18-Nov	tues	13-15		SEM/TEM labs	RH,DJ
18-Nov	tues	15-17		SEM/TEM labs	RH,DJ
19-Nov	wed	10-12	K:C	L8 Electron Diffraction 2	KD
20-Nov	thurs	10-12	K:M	S3a Electron Diffraction	KD
20-Nov	thurs	13-15		SEM lab	RH
20-Nov	thurs	15-17		SEM lab	RH
21-Nov	fri	13-15	K:M	S3b Electron Diffraction	KD
24-Nov	mon	10-12	K:G	L9 Surface diffraction: LEED, RHEED, GIXRD	AM
25-Nov	tues	10-12	K:H	Q&A before the diagnostic exam	KD
25-Nov	tues	13-15		TEM lab	DJ
25-Nov	tues	15-17		TEM lab	DJ
26-Nov	wed	10-12		no lecture/seminar	
27-Nov	thurs	10-12		no seminar	
27-Nov	thurs	13-15		SEM/TEM labs	RH,DJ
27-Nov	thurs	15-17		SEM/TEM labs	RH,DJ
28-Nov	fri	10-12	K:A	Diagnostic EXAM	KD
1-Dec	mon	10-12	K:G	L10 X-ray Energy Dispersive Spectroscopy 1	KD
2-Dec	tues	10-12	K:G	L11 X-ray Energy Dispersive Spectroscopy 2	KD
2-Dec	tues	13-15		SEM/TEM labs	RH,DJ
2-Dec	tues	15-17		SEM/TEM labs	RH,DJ
3-Dec	wed	10-12	K:C	Results and review from diagnostic exam	KD
4-Dec	thurs	10-12	K:M	S4a XEDS	KD
4-Dec	thurs	13-15		no labs	
4-Dec	thurs	15-17		no labs	
5-Dec	fri	13-15	K:M	S4b XEDS	KD
8-Dec	mon	10-12	K:G	L12 Energy Loss Electrons	KD
9-Dec	tues	10-12	K:G	L13 Energy Loss Electrons	KD
9-Dec	tues	13-15		Surface techniques lab	AM et al
9-Dec	tues	15-17		Surface techniques lab	AM et al
10-Dec	wed	10-12	K:C	L14 Surface spectroscopy: Auger, XPS	AM
11-Dec	thurs	10-12	K:M	S5b EELS and EFTEM	KD
11-Dec	thurs	13-15		Surface techniques lab	AM et al
11-Dec	thurs	15-17		Surface techniques lab	AM et al
12-Dec	fri	10-12	K:I	S5a EELS and EFTEM	KD
15-Dec	mon	10-12	K:G	Q&A/electron microscopy summary	KD
16-Dec	tues	10-12	K:G	Surface techniques summary/reserve slot	AM
16-Dec	tues	13-15			

16-Dec	tues	15-17			
17-Dec	wed	10-12	K:C	L15 [Special topic] In-situ electron microscopy	KD
18-Dec	thurs	10-12	K:M	S6a Surface techniques exercises	AM
18-Dec	thurs	13-15		TEM labs	DJ
18-Dec	thurs	15-17		TEM labs	DJ
19-Dec	fri	13-15	K:M	S6b Surface techniques exercises	AM
16-Jan	fri	8-13	Sparta A,B	EXAM	
Lecturers: Kimberly Dick, Anders Mikkelsen					
Lab supervisors: Daniel Jacobsson, Roberg Hallberg					