

Week 1: 9 - 13 April 2018

Time slots

Therory      Lab      PCLab/Demo

	Monday	Tuesday	Wednesday	Thursday	Friday
8.15		Grinding	Assignment Grinding investigation	Mass and pulp flows Assignment Classification	Comminution, Crushing, screening
9.45					
10.15		Classification	Taking care of samples	Taking care of samples	Taking care of samples
11.45					
13.00	Intro to PROCHAIN, Basics, Mining chain	Lab slot 1a	Lab slot 2a	Lab slot 3a	
14.30					
14.45	Exp.Methods Particle Analyses	Lab slot 1b	Lab slot 2b	Lab slot 3b	
16.15					

**Lab classes**

Grinding investigation	A	B	C
Hydrocyclone classificaton	B	C	A
SEM demo, XRD demo LA-ICP-MS demo	C	A	B

Week 2: 14 - 18 May 2018

Time slots

Theory      Lab      PCLab/Demo

	Monday	Tuesday	Wednesday	Thursday	Friday	
8.15 9.45		Flotation theory Surface chemistry tools	Flotation Circuits	Sampling of particulate materials	Surface tension, Zeta-pot., contact angle demo	Taking care of samples
10.15 11.45		Magnetic and HT separation	Taking care of samples	Taking care of samples	Taking care of samples	Surface tension, Zeta-pot., contact angle demo
13.00 14.30	Sorting Wet gravity	Lab slot 4a	Lab slot 5a	Lab slot 6a		
14.45 16.15	Assignment, Test evaluation	Lab slot 4b	Lab slot 5b	Lab slot 6b		

**Lab classes**

Wet gravity	A	B	C
Flotation	B	C	A
Magnetic Separation	C	A	B

Week 3: 28 - 31 May 2018

	Slots			
Time slots	Theory	Lab	PCLab/Demo	

	Monday	Tuesday	Wednesday	Thursday	Friday
8.15		Dewatering	Autogenous grinding	Environment, health and safety (OMS)	
9.45					
10.15		New:Process mineralogy	Mining economics	Introduction to pilot plant tests (OMS)	
11.45					
13.00	HSC basics	EMC	Mass balancing	Modelling	
14.30					
14.45	HSC basics	EMC	Mass balancing	Modelling	
16.15					

PC classes with HSC are for the whole group (Outotec)

OMS = Oulu Mining School