

BEE / 'WATER AND ENVIRONMENT' CURRICULUM 2012-2014 (total min. 120 ECTS, 2 years)

MODULES:

- WE1 = BASIC MODULE (OPINTOSUUNNAN M)
 WE2 = ADVANCED MODULE (SYVENTÄVÄ M)
 WE3 = SUPPLEMENTARY MODULE (TÄYDENTÄVÄ M)
 WE4 = DIPLOMA THESIS

PERIODS:

- P1 = 3.9.-5.10.2012 (Autumn)
 P2 = 8.10.-9.11.2012 (Autumn)
 P3 = 12.11.-14.12.2012 (Autumn)
 P4 = 7.1.-8.2.2013 (Spring)
 P5 = 11.2.-22.3.2013 (Spring)
 P6 = 25.3.-10.5.2013 (Spring)
 P7 = 13.5.-30.8.2013 (Summer)

Study Option	Module	Obligatory Facultative	Code	Course name	Credits	Year	Periods organized P1-P6, P7							
							1	2	3	4	5	6	7	
WE	WE1	O	488400A	Orientation to the BEE Studies	1,0	1st	1,2,3,4	1	2	3	4			
WE	WE1	O	488401A	Introduction to the Environmental and Socio-economical Issues of the Barents Region	2,0	1st	1,2	1	2					
WE	WE1	O	488110S	Water and Wastewater Treatment	5,0	1st	1,2	1	2					
WE	WE1	O	488118S	Laboratory and Field Measurements in Environmental Engineering	10,0	1st	1,2,3,4,5,6	1	2	3	4	5	6	
WE	WE2	O	488102A	Hydrologiset prosessit (Hydrological Processes)	5,0	1st	1,2,3,4,5,6	1	2	3	4	5	6	
WE	WE1	O	477307S	Research Methodology	5,0	1st	2,3,4,5,6		2	3	4	5	6	
WE	WE1	O	488402A	Sustainable Development	3,0	1st	3			3				
WE	WE3	F	488117S	Water Resources Management (on odd years)	5,0	1st	3,4			3	4			
WE	WE2	F	477041S	Experimental Design	5,0	1st	4				4			
WE	WE1	O	488012A	Ympäristölainsäädäntö (Environmental Legislation) WILL BE SUPPLEMENTED!	5,0	1st	4,5				4	5		
WE	WE2	F	477203A	Process Design	5,0	1st	4,5				4	5		
WE	WE3	F	721236A	Principles of Environmental Economics	5,0	1st or 2nd	4,5				4	5		
WE	WE2	F	488104A	Industrial and Municipal Waste Management	5,0	1st	5,6					5	6	
WE	WE2	F	477311S	Advanced Separation Processes (every other year)	5,0	1st	6						6	
WE	WE2	O	488405S	Environmental Issues in the Barents region	5,0	1st	6						6	
WE	WE2	O	488002S	Advanced Practical Training	3,0	1st to 2nd	7,3				3			7
WE	WE3	F	488404A	Global Change	5,0	2nd	1,2	1	2					
WE	WE3	F	488108S	Groundwater Engineering (on odd years)	5,0	2nd	1,2	1	2					
WE	WE3	F	488122S	Statistical Methods in Hydrology (on odd years)	5,0	2nd	1,2	1	2					
WE	WE3	F	488203S	Industrial Ecology	5,0	2nd	2		2					
WE	WE3	F	721704A	Business Logistics	5,0	2nd	2,3		2	3				
WE	WE3	F	488113S	Introduction to Surface Water Quality Modelling (on even years)	5,0	2nd	2,3		2	3				
WE	WE3	F	488103A	Environmental Impact Assessment (on even years)	5,0	2nd	2,3	1	2	3				
WE	WE3	F	555321S	Risk Management	3,0	2nd	1,2,3	1	2	3				
WE	WE3	F	--	Courses by or at the BEE partner universities	10,0	2nd	1,2,3	1	2	3				
WE	WE4	O	--	Master's thesis (30 cr) and Maturity test (0 cr)	30,0	2nd	4,5,6				4	5	6	