Master Programme on Water and Environmental Engineering (WAT)

COURSE TIMETABLE FOR THE 1st YEAR

Period I	Period II	Period III	Period IV	Period V
INTRO & PORTFOLIO (3+1+1 cr)				
WATER & ENVIRONMENT (5 cr)				
COMPUTATIONAL METHODS (5 cr)				
	GROUNDWATER HYDROLOGY (5 cr)	HYDROLOGICAL MODELLING (5 cr)	SURFACE WATER RESOURCES (5 cr)	ENVIRONMENTAL HYDRAULICS (5 cr)
	SUSTAINABLE BUILT ENVIRONMENT (5 cr)	WATER & GOVERNANCE (5 cr)		WATER & PEOPLE IN A CHANGING WORLD (5 cr)
		SUSTAINABLE GLOBAL TECHNOLOGIES STUDIO (10 cr)		
	URBAN WATER SYSTEMS (5 cr)	DESIGN & MANAGEMENT OF WATER AND WASTEWATER NETWORKS (5 cr)	PHYSICAL & CHEMICAL TREATMENT OF WATER AND WASTE (5 cr)	MODELLING & CONTROL OF TREATMENT PROCESSES (5 cr)
			BIOLOGICAL TREATMENT OF WATER AND WASTE (5 cr) - AaltoCHEM	
	SUSTAINABILITY IN ENVIRONMENTAL ENGINEERING (5 cr)	ENVIRONMENTAL RISK ANALYSIS (5 cr)	RESTORATION OF CONTAMINATED ENVIRONMENT (5 cr)	CIRCULAR ECONOMY IN ENVIRONMENTAL ENGINEERING (5 cr)
SPECIAL COURSE ON WATER & ENVIRONMENTAL ENGINEERING (5 cr) (can be taken during any period)		ENVIRONMENTAL MANAGEMENT IN INDUSTRY (5 CR) - AaltoCHEM		

LEGEND

The 60 credit Major consists of three common courses (15 cr) as well as 45 credits of advanced courses: these can be selected from the 19 courses available above.

The advanced courses include four thematic study paths: the students can either follow those paths or create their own course mix based on their interests. The personal portfolio created during the Introductory course facilitates this decision.

The thickness of the course = credits / period.

COMMON	WATER RESOURCES	WATER & DEVELOPMENT
WATER & WASTEWATER	ENVIRONMENTAL ENGINEERING	