

**Modular courses from discipline
Environmental Engineering, Mining and Power Engineering**

Modular courses	Type of classes and hours	Term
Mathematics with statistics (obligatory course)	L-15 E-15	2
Environmental engineering (courses to be selected)		
Biochemistry	L/E-15	3
Unitary processes in environmental engineering		
Hydrogeoengineering – selected issues		
Advanced technologies in water and wastewater treatment (equipment, processes)		
Energy systems (courses to be selected)		
Power plants and technologies	L/E-15	3
Renwable energy sources		
Heating systems		
Energy storage		
Computer modeling in environmental and energy engineering (obligatory course)	L-15 E-15	4
Modern methods and technologies in environmental engineering (courses to be selected)		
Numerical modeling in hydrogeoengineering	L/E-15	5
Selected topics in numerical methods		
Quantitative/qualitative measurements in water, and wastewater environment		
Measurement techniques in energy engineering (courses to be selected)		
Monitoring of energy equipment	L/E-15	5
Measurement of fluid flow and heat transfer processes		
Experimenal data analysis		

L – lecture
E - exercises