

MODULAR COURSES

in the discipline of Environmental Engineering, Mining and Energy

Subject	Course type - number of hours
<i>mandatory subject in sem. 2</i>	
Mathematics with elements of statistics	W-15 Ćw -15
<i>elective subjects in sem. 3</i>	
<i>Profiling module in environmental engineering</i>	
Biochemistry	W-15
Unit processes in environmental engineering	
Hydrogeoengineering - selected issues	
Advanced methods in water and wastewater treatment (equipment, processes)	
<i>Profiling module in energy engineering</i>	
Conventional energy	W-15
Renewable energy	
Heating systems	
Energy storage	
<i>mandatory subject in sem. 4</i>	
Computer modeling in environmental engineering and energy	W-15 Lk -15
<i>elective subjects in sem. 5</i>	
<i>Profiling module in environmental engineering</i>	
<i>Modern techniques and technologies in environmental engineering</i>	
Numerical modeling in hydrogeoengineering	W-15
Discrete mathematics and numerical methods	
Quantitative/qualitative measurements in water, wastewater environments	
<i>Profiling module in energy engineering</i>	
<i>Measurement techniques in the power industry</i>	
Monitoring of energy machines and devices	W-15
Modeling of thermal-flow phenomena	
Analysis and processing of experimental data	

W - lecture (L), Ćw - practical class (Pc), Lk - computer class (Cc)