



Faculty: ENVIRONMENTAL ENGINEERING

Main field of study: ENVIRONMENTAL QUALITY MANAGEMENT (EQM)

Field of study code: W07-EQMA-000A-OSMW3

Form of studies: SECOND-LEVEL, FULL-TIME STUDIES

Course grid for the programme of study starting in the academic year: 2025/2026

1st year of studies

Semester 1	Le	Cl	La	Pr	Se
Water quality management	2E	·	·	·	·
Water treatment technology	2E	·	1	·	1
Water supply systems	1	·	·	1	·
Raw materials management	1	·	·	·	1
Sanitary biology	1E	·	1	·	·
Indoor air quality	1	·	·	·	·
AutoCad	·	·	1	·	·
Elective Courses Block A	1	·	·	·	·
Environmental chemistry	3	·	1	·	·
Engineering applications of mathematical statistics	1	1	·	·	·
Strategic management	2	·	·	·	·
Ethics of new and emerging technologies	1	·	·	·	·
Foreign language course 2.1	·	2	·	·	·

hours / ECTS in semester: 390 / 30

Optional courses in semester 1:

Optional course 1	Le	Cl	La	Pr	Se
Biomonitoring	1	·	·	·	·
Methods and techniques of air pollutants measurement	1	·	·	·	·

Semester 2	Le	Cl	La	Pr	Se
Wastewater treatment technology	2	·	1	·	1
Waste gases purification	2E	1	·	·	·
Environmental toxicology	1	·	1	·	·
Environmental health hazards	2	·	·	·	·
Solid waste management	2E	·	1	·	·
Biodegradable materials	2	·	·	·	·
Reliability of engineering systems	2	1	·	·	·
Sewage systems	1	·	·	1	·
Membrane separation processes in environmental protection	1	·	1	·	·
Renewable energy systems	1	·	·	·	·
Elective Courses Block B	·	·	1	·	·
Spatial planning	1	·	·	·	·

hours / ECTS in semester: 390 / 30

Optional courses in semester 2:

Optional course 2	Le	Cl	La	Pr	Se
Automation in environmental engineering	·	·	1	·	·
Thermal comfort and microclimate	·	·	1	·	·

2nd year of studies

Semester 3	Le	Cl	La	Pr	Se
Organization of construction works	1	·	·	·	·
Building regulations	2	·	·	·	·
Diploma seminar	·	·	·	·	2
Master thesis	·	·	·	·	·
Environmental management	2	·	·	·	·
Elective Courses Block C	1	·	1	·	·
Foreign language II	·	4	·	·	·

hours / ECTS in semester: 305 / 30

Optional courses in semester 3:

Optional course 2	Le	Cl	La	Pr	Se
Air pollutants and their sources	1	·	1	·	·
Modeling of water and sewage treatment processes	1	·	1	·	·

Markings:

Course name	course cod
hours per week *	ECTS points

* E - lecture ending with an exam

Obligatory main-field-of-study courses
Optional main-field-of-study courses

General education courses
University-wide courses