

Final Exam Questions
Environmental Engineering MSc
2022

During the final exam, the focus will be on technological solutions and relevant scientific principles.

1. Present common technological solutions for air quality protection through examples.
2. Present common technological solutions for the protection and conservation of water resources through examples.
3. Present common technological solutions for the protection and conservation of soil resources through examples.
4. Movement and analysis of elements in the soil-water-sediment system. Speciation and fractioning based on biological accessibility and environmental mobility.
5. Pollutants and their pathways in the ecosystem. Ecotoxicological tests.
6. Monitoring green house gas emissions from agro-ecosystems. Local, regional and global models and regulations.
7. Technological methods for influencing the nitrogen cycle.
8. Environmental and technological challenges of energy production.
9. Environmental impact assessment methodology and examples.
10. Utility systems and the environment. What environmental effects can be associated with different utility types?
11. Estimation of soil erosion and control measures.
12. Aerobic treatment and analysis of biological wastes, utilization of end products.
13. Anaerobic treatment and analysis of biological wastes
14. Water treatment technologies and their application