

FUNDAMENTALS OF ENVIRONMENT PROTECTION MACHINERY SELECTION AND APPLICATION

Title of Study Programme and Code		Type (compulsory/optional)	Cycle	Year of study when the component is delivered (if applicable)
Environment Protection Engineering, 6531EX042		Compulsory	1 st	3 rd
Semester/trimester when the component is delivered		Number of ECTS credits allocated	Language of instruction	Mode of delivery (face-to-face/e-learning/...)
5,6 th		6	English	Face-to-face
Learning outcomes			Study methods	Assessment methods
After completion of the study subject, a student should be able:			Interactive lesson; Practical work; Individual work; Preparing for control work and practical work; Consultations.	Test; Practical work assertion; Individual work.
LO 1	To find environmental equipment selection and application of the necessary information in the various specialized literature.			
LO 2	To choose environmentally suitable facilities.			
LO 3	To know the basics of drawing, drawings schedule, equipment design stages.			
LO 4	To know how to apply general design principles and techniques.			
LO 5	To know the environmental equipment operation principles and design features.			
LO 6	To perform the necessary calculations and items of equipment made by them.			
LO 7	To use the data for a specific environmental engineering problems.			
LO 8	To analyze and solve environmental engineering problems independently.			
Prerequisites (these courses must be sucessfully completed prior to taking this particular course)				
Information Technology and Engineering Graphics				
Course content				
1. Environmental Technologies. The main principles and methods. 2. Drawing Basics. Drawings graphics. Specifications. 3. Air treatment plants design. 4. Water treatment and wastewater treatment plant design. 5. Axonometric Projection.				
Recommended or required reading and other learning resources/tools				
1. AutoCAD User Guide 2. David L. Russell (2006)Practical Wastewater Treatment. Wiley. 3. Marquita K. Hill (2010) Understanding Environmental Pollution. Cambridge. 4. Nicholas P. Cheremisinoff (2002) Handbook of water and wastewater treatment tehnologies.				

