1.	**Course title**	Implementation of Geographic Information Systems
2.	**Course code**	ЕИ-3-03
3.	**Semester**	9
4.	**Unit offering the course**	Faculty of Computer Science and Engineering
5.	**ECTS**	6
6.	**Goals of the study programme**	
	By successfully mastering the subject, the student will master the techniques ofGIS for solving environmental problems.	
7.	**Contents of the study programme**	
	Introduction to GIS, GIS Elements and Data Model, Application of GIS in Management ofwater resources and environmental impact, 2D analysis of the catchment areapollution, 3D analysis for creating surface models from different sourcesdata, model prediction and spatial explanation of eutrophicationprocesses in environmental systems.	