

CODE: ECO 1.3	COURSE TITLE: FUNDAMENTALS OF LAND IMPROVEMENT			ECTS: 3
COORDINATOR: Rafał Stasik		DEPARTMENT: Institute of Land Improvement, Environmental Development and Geodesy		
COURSE CATEGORY				
Open				
VOLUME: 30 H			PERSONAL WORK: 15 H	
LECTURES: 10 H	PRACTICALS (CLASSES) 10 H	PLACEMENT: (H)	PROJECT: 10 H	OTHER MODALITIES: (H)
EVALUATION:		OTHER MODALITIES:		LECTURER(S)
EVALUATION MODALITIES				Rafał Stasik
ORAL INDIVIDUAL REPORT				
WRITTEN INDIVIDUAL REPORT	X			
FINAL ORAL EXAM				
FINAL WRITTEN EXAM	X			
COMMENTS OF EVALUATION:		TEACHING METHODS: Lectures, classes, projects, field activity - visiting land improvement devices		
SEMESTER: WINTER		LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS		YEAR OF STUDY: OPEN		
OBJECTIVES				
Fundamentals of hydrology. Knowledge of land improvement role in agricultural productivity development. Knowledge of history of land improvement. Knowledge of methods of regulation of air-water conditions in arable areas using different drainage and open ditch systems. Knowledge of the methods of evaluating parameters of drainage systems. Basic of land improvement and sustainable management in forest. Fundamentals of soil erosion threat and erosion control methods.				
CONTENTS				
Hydrological cycle, land improvement for agriculture, drainage and irrigation systems, erosion control, forest hydrology sustainable management and a different habitats water characteristics				
GROUP SIZE: 15		PRE-REQUIRES: Basic knowledge of hydrology, soil properties and ecology		