

CODE: ECO 2.3	COURSE TITLE: FRESHWATER ECOSYSTEMS			ECTS: 5
COORDINATOR: Krzysztof Szoszkiewicz		DEPARTMENT: Ecology And Environmental Protection		
COURSE CATEGORY				
Open				
VOLUME: 60 H			PERSONAL WORK: 30 H	
LECTURE: 30 H	PRACTICALS (LAB) : (H)	PLACEMENT: 10 H	PROJECT: 20 H	OTHER MODALITIES: (H)
EVALUATION:		OTHER MODALITIES:		LECTURER(S)
EVALUATION MODALITIES	X			Prof. Krzysztof Szoszkiewicz Dr. Daniel Gebler
ORAL INDIVIDUAL REPORT	X			
WRITTEN INDIVIDUAL REPORT	X			
FINAL ORAL EXAM				
FINAL WRITTEN EXAM				
COMMENTS OF EVALUATION:		TEACHING METHODS: Lectures, tutorials, field trip		
SEMESTER: SUMMER		LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS		YEAR OF STUDY: OPEN		
OBJECTIVES				
The aim of the course is to reach knowledge in basic concepts in freshwaters and to gain ability to engage with applied and management issues. Comprehensive field training will be provided for field and laboratory techniques, teamwork and data analysis.				
CONTENTS				
An introduction to freshwater ecology. Standing waters, rivers and springs. Physical parameters in the water environment - water habitat, light, temperature, water dynamics. Water chemistry - gasses, nutrients, nutrient cycling, inorganic compound, organic matter. Freshwater organisms - ecological groups of freshwater organisms. Field training - Methodology of freshwater research. Water sampling and measurements. Freshwater degradation and protection. Practicals consist mainly of group work in field sampling, laboratory analysis and presenting a freshwater ecology research project.				
GROUP SIZE: 15		PRE-REQUIRES: Basic knowledge in biology		