

CODE: ECO 2.4	COURSE TITLE: WETLAND DEVELOPMENT		ECTS: 3	
COORDINATOR: Agnieszka Ławniczak-Malińska		DEPARTMENT: Ecology and Environmental Protection		
COURSE CATEGORY				
Open				
VOLUME: 30 (H)			PERSONAL WORK: 15 (H)	
LECTURE: 15 (H)	PRACTICALS (LAB) : (H)	PLACEMENT: (H)	PROJECT: 15 (H)	OTHER MODALITIES: (H)
EVALUATION:		OTHER MODALITIES:		LECTURER(S)
EVALUATION MODALITIES	X			Prof. Agnieszka Ławniczak-Malińska
ORAL INDIVIDUAL REPORT	X			
WRITTEN INDIVIDUAL REPORT	X			
FINAL ORAL EXAM				
FINAL WRITTEN EXAM				
COMMENTS OF EVALUATION:		TEACHING METHODS: Lectures, tutorials, field trip		
SEMESTER: WINTER/SUMMER		LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS		YEAR OF STUDY: OPEN		
OBJECTIVES				
This course will provide an overview of the wetland ecology, restoration and conservation methods of wetland habitats.				
CONTENTS				
Wetland classifications, wetlands distribution in Poland and around the world, wetlands protection, criteria for identifying wetlands of international importance, Ramsar convention, protected areas; Hydrological regimes in the different types of wetlands; Role of wetlands: 1) hydrological: water regime 2) biodiversity: target species, bioindicators, invasive and rare species, red list; 3) climate change: microclimate, emission and reduction of greenhouse gases; 4) paleontological; 5) economical: water quality control, flood protection, 6) education etc. Nutrient cycle in wetlands, primary production, nutrient limitation, N:P, N:K nutrient ratios in plant species as indicators of environmental changes. Wetlands restoration and conservation: methods, advantage and disadvantage of applied methods.				
GROUP SIZE: 15		PRE-REQUIRES: Basic knowledge in ecology		