

CODE: <b>ECO 4</b>	COURSE TITLE: <b>APPLIED ECOLOGY</b>			ECTS: <b>4</b>
COORDINATOR: <b>K. SZOSZKIEWICZ</b>		DEPARTMENT <b>ECOLOGY AND ENVIRONMENTAL PROTECTION</b>		
COURSE CATEGORY				
VOLUME: <b>45 (H)</b>			PERSONAL WORK: <b>15 (H)</b>	
LECTURE: <b>15 (H)</b>	PRACTICALS / LAB <b>18 (H)</b>	PLACEMENT <b>12 (H)</b>	PROJECT: <b>15 (H)</b>	OTHER MODALITIES: (H)
EVALUATION:		OTHER MODALITIES:	LECTURER(S)	
EVALUATION MODALITIES	X		Krzysztof Szoszkiewicz Tomasz Zgoła	
ORAL INDIVIDUAL REPORT				
WRITTEN INDIVIDUAL REPORT				
FINAL ORAL EXAM				
FINAL WRITTEN EXAM	X			
COMMENTS OF EVALUATION:		TEACHING METHODS: <b>LECTURES, TUTORIALS, FIELD TRIP</b>		
SEMESTER: <b>SUMMER</b>		LANGUAGE: <b>ENGLISH</b>		
PERIOD: <b>15 WEEKS</b>		YEAR OF STUDY: <b>OPEN</b>		
OBJECTIVES				
INTRODUCING MAJOR APPLICATIONS OF ECOLOGICAL THEORY INTO THE ASSESSMENT AND MANAGEMENT OF TERRESTRIAL AND AQUATIC ECOSYSTEMS, INCLUDING MAJOR EU REGULATIONS.				
CONTENTS				
<ul style="list-style-type: none"> <li>▪ HABITAT ASSESSMENT, BIOINDICATION.</li> <li>▪ POPULATION - STRUCTURE, PROCESSES, MANAGING POPULATIONS, SPECIES CONSERVATION.</li> <li>▪ COMMUNITY - PARAMETERS, BIODIVERSITY AND ITS MEASUREMENT</li> <li>▪ BIODIVERSITY CONSERVATION (INCLUDING EU HABITAT DIRECTIVE APPROACH), SUCCESSION, BIOTIC INTERACTIONS, MANAGING PESTS.</li> <li>▪ ECOSYSTEMS - TROPHIC LEVELS AND FOOD WEBS, BIOACCUMULATION, ENERGY FLOW AND ENERGY BUDGETS OR ECOSYSTEMS, PRODUCTIVITY.</li> <li>▪ FRESHWATER ECOSYSTEMS - STRUCTURE AND FUNCTIONING, EUTROPHICATION, BIOMANIPULATION, ECOLOGICAL ASSESSMENT AND ECOLOGICAL QUALITY STATUS OF FRESHWATERS (FOR THE PURPOSE OF EU WATER FRAMEWORK DIRECTIVE).</li> <li>▪ TERRESTRIAL ECOSYSTEMS - AGRICULTURAL SYSTEMS, FARMING AND ENVIRONMENT.</li> </ul>				
GROUP SIZE: <b>15</b>		PRE-REQUIRES: BASIC KNOWLEDGE IN BIOLOGY		