

CODE: ECO 4.4	COURSE TITLE: URBAN ECOLOGY			ECTS: 5
Coordinator: Dr. Marta Lisiak-Zielińska		Department: Department of Ecology and Environmental Protection		
Course category				
Open				
VOLUME: 50 H			PERSONAL WORK: 40 (H)	
LECTURES: 15 H	PRACTICALS 15 H FIELD TRIP: 20H	PLACEMENT: (H)	PROJECT:	OTHER MODALITIES: (H)
EVALUATION:		OTHER MODALITIES:		LECTURER(S)
EVALUATION MODALITIES				Prof. Klaudia Borowiak Prof. Maria Drapikowska Dr. Krzysztof Achtenberg Dr. Szymon Jusik Dr. Marta Lisiak-Zielińska MSc Arlinda Cakaj
ORAL INDIVIDUAL REPORT	X			
WRITTEN INDIVIDUAL REPORT				
FINAL ORAL EXAM				
FINAL WRITTEN EXAM	X			
COMMENTS OF EVALUATION:		TEACHING METHODS: Multimedia presentations; auditorium classes; field trip		
SEMESTER: SUMMER		LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS		YEAR OF STUDY: OPEN		
OBJECTIVES				
Gaining knowledge of contemporary and future trends of urban areas in regard to ecological aspects				
CONTENTS				
Includes aspects of urban environments; the biology of the organisms that inhabit urban areas (ecology of invasiveness species) and the diversity of urban ecosystem. Urban climate, urban sustainability, soils, vegetation, animals, ecosystems, green spaces. These subject includes basic ecological questions in urban areas, such as how ecological patterns and processes differ in cities compared to other environments and what effect urbanization has on the ecology of organisms. Global effect of Urban Heat Islands (UHI), air pollution in cities, urban landscape evaluation, urban transects – types of zones. Study visit in Łódź – revitalization of Łódź manufacture. natural city revitalization, flood protection in the city, revitalization of green areas in cities.				
GROUP SIZE: 10		PRE-REQUIRES: Basics of environmental sciences		