

CODE: ECO 4.3	COURSE TITLE: EFFICIENT INSTALLATION SYSTEMS IN BUILDINGS			ECTS: 2
Coordinator: Anna Smoczkievicz-Wojciechowska		Department: Institute of Construction and Geoengineering		
Course category				
Open				
VOLUME: 20 H			PERSONAL WORK: 10MARTYNAMALINOWSKA121@GMAIL.COM (H)	
LECTURES: 10 H	PRACTICALS 10 H	PLACEMENT: (H)	PROJECT:	OTHER MODALITIES: (H)
EVALUATION:		OTHER MODALITIES:		LECTURER(S)
EVALUATION MODALITIES				Anna Smoczkievicz-Wojciechowska
ORAL INDIVIDUAL REPORT	X			
WRITTEN INDIVIDUAL REPORT				
FINAL ORAL EXAM				
FINAL WRITTEN EXAM	X			
COMMENTS OF EVALUATION:		TEACHING METHODS: Multimedia presentations; auditorium classes.		
SEMESTER: SUMMER		LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS		YEAR OF STUDY: OPEN		
OBJECTIVES				
Gaining knowledge of contemporary and future trends in civil engineering (including ventilation, air conditioning heating systems)				
CONTENTS				
Lectures: Ventilation systems designed to maintain indoor air quality; efficient heating systems and air conditioning necessary to maintain and control indoor environment. Ways of ensuring great energy savings with air quality, and comfort for users. Selected aspects of passive housing and green buildings. Classes: Supplement to the lecture information with particular emphasis on aspects of making buildings more energy efficient. Discussions and presentations of the impact on the environment and the need to save energy.				
GROUP SIZE: 10		PRE-REQUIRES: Basics of environmental and construction sciences		