

Title of the course: Alternative energy usage in practice II. (System of energetic-Building energy)	NEPTUN-code: RKWAE2EBNE	Weekly teaching hours: $l+cw+lb$ 2+2+0	Credit: 6 Exam type: e
Course leader: Konrád Lájer Dr.	Position: associate professor	Required preliminary knowledge: -	
Curriculum:			
The aim of the course is to give students an insight into the relationships between the built environment and the natural environment, and to give human ecology a place in the training. Learn about the architectural methods that can have a positive effect on the microclimate of the settlements. Discover the relationship between the home and the human environment as they develop / develop their ecological approach. The passive house and all the solutions aimed at lowering energy consumption eg. modern home heating and heating. air-conditioning methods, materials and techniques of thermal insulation of apartments.			
Professional competencies:			
Knowledge of major environmental technologies, equipment and structures associated with each technology, including the functioning and operation thereof. Knowledge of the basics of energy management, options for energy production, their advantages and disadvantages, as well as the concept and feasibility options of sustainable development. Able to perform public administrative and authority tasks related to environment protection after getting acquainted with the duty assigned to them.			
Literature:			
1. Eds.: Management Association, Renewable and Alternative Energy: Concepts, Methodologies, Tools, and Applications, IGI Global, 2016, ISBN13: 9781522516712			
2. Editor-in-Chiefs: Ali Sayigh: Comprehensive Renewable Energy, 1st Edition, Imprint: Elsevier, Published Date: 2nd May 2012, Page Count: 4422, eBook ISBN: 9780080878737, Hardcover ISBN: 9780080878720			
3. Michaelides, Efstathios E. Stathis: Alternative Energy Sources, Springer Press, 2012, Buy eBook, ISBN: 978-3-642-20951-2			
Comment:			