

Course code																																	
Type and description	Elective Course																																
ECTS credit	1																																
Course name	Proecological Aspects of Architecture II																																
Course name in Polish	Proekologiczne aspekty architektury II																																
Language of instruction	English																																
Course level	8 PRK																																
Course coordinator	dr inż. arch. Renata Mikielwicz																																
Course instructors	dr inż. arch. Renata Mikielwicz																																
Delivery methods and course duration	<table border="1"> <thead> <tr> <th></th> <th>Lecture</th> <th>Tutorials</th> <th>Laboratory</th> <th>Project</th> <th>Seminar</th> <th>Other</th> <th>Total of teaching hours during semester</th> </tr> </thead> <tbody> <tr> <td>Contact hours</td> <td>0</td> <td>0</td> <td>0</td> <td>15</td> <td>0</td> <td>0</td> <td>15</td> </tr> <tr> <td>E-learning</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td></td> </tr> <tr> <td>Assessment criteria (weightage)</td> <td>0,00</td> <td></td> <td></td> <td>100</td> <td></td> <td>0,00</td> <td></td> </tr> </tbody> </table>		Lecture	Tutorials	Laboratory	Project	Seminar	Other	Total of teaching hours during semester	Contact hours	0	0	0	15	0	0	15	E-learning	No	No	No	No	No	No		Assessment criteria (weightage)	0,00			100		0,00	
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Course objective	<p>The aim of the subject is:</p> <ol style="list-style-type: none"> 1. to enable and broaden the knowledge about chosen aspects of contemporary trends in ecology and sustainable development in architecture and urban design 2. to gain knowledge about the role and responsibility of an architect in the contemporary society regarding to the sustainable development principle 3. to broaden the knowledge of the ecology impact on design and technological processes in contemporary design and research practice 																																
Learning outcomes	<p>Having completed the course student can:</p> <ol style="list-style-type: none"> 1. characterize the processes happening in contemporary urban space and society regarding to ecology and the sustainable development rule – effects W4, U4, K1 2. describe the theories on which contemporary design processes are based – effects W4, U4, K1 3. interpret design and professional activities regarding to the needs of sustainable development – effects W4, U4, K1 4. characterize ecological social, economic, technical and technological solutions and to apply the knowledge to the analysis of design solutions – effects W4, U4, K1 																																
Assessment methods	<p>W4, U 4, K1 - oral exam</p> <p>U4, K1 – project seminar presentation</p> <p>W4, U4, K1 – written or small design project</p> <p>The final grade</p> <p>Oral exam - 40%</p>																																

	Project presentation and evaluation– 60%
Prerequisites	none
Course content with delivery methods	<p>LECTURE</p> <ol style="list-style-type: none"> 1. Contemporary implications of ecology and the sustainable development principle, legal context, historical determinants. Links with social and economic theories (f. ex. sharing economy, co-dividuality, „third place” idea, „from cradle to cradle” notion etc.) 2. Philosophical ecological theories and their impact on the architects’ and urban designers’ attitude 3. The history of ecological solutions in architecture and urban design. 4. Professional activity of chosen contemporary architects connected with ecology notion in architecture and urban design f. ex. A. Aravena, B. Doshi, P. Rich and others. 5. Examples of technical solutions in architecture and civil engineering and their impact on the architectural form. Design process and its representation in regard to the life cycle notion (f. ex. BIM, J. Kipnis theory and the urban plan representation, N. Ellin’s integral planning, smart cities etc.) and the contemporary architectural theories as f.ex. parametric architecture <p>PROJECT</p> <p>Presentation of the applications of the listed issues to architectural and urban design and the problems covered in the doctoral thesis.</p>
Basic reference materials	<ol style="list-style-type: none"> 1. Bell, B., Wakeford K, red., Expanding Architecture: Design as Activism. Metropolis Books, New York 2008 2. Aravena, A., Iacobelli A., Elemental: Incremental Housing and Participatory Design Manual, Hatje Cantz Ostfildern 2016. 3. Hawken, Paul, Amory B. Lovins i L. Hunter Lovins. Natural Capitalism: The Next Industrial Revolution, Earthscan, London 2010. 4. Brand S., Das Ticken des langen Jetzt. Zeit und Verantwortung am Beginn des neuen Jahrhunderts, Suhrkamp Verlag, Frankfurt am Main 2000
Other reference materials	<ol style="list-style-type: none"> 1. Klein, N. This Changes Everything: Capitalism versus the Climate. New York: Simon & Schuster, 2014. (Klein, Naomi. To zmienia wszystko: Kapitalizm kontra klimat, Warszawskie Wydawnictwo Literackie MUZA SA, Warszawa 2016. 2. Appadurai, A.. Nowoczesność bez granic. Kulturowe wymiary globalizacji, tłum. Z. Pucek. Kraków: Towarzystwo Autorów i Wydawców Prac Naukowych UNIVERSITAS, 2005
Average student workload outside classroom	10h
Comments	
Last update	29.01.2022