



Informator	2021/2022	
Tytuł oferty	Smart Cities (blended learning)	
Sygnatura	230057 - 1169	1,50 pkt. ECTS
Prowadzący	dr Dominika Paulina Brodowicz	

A. Cel przedmiotu

An objective of the course is to acknowledge students with the concept of smart cities including mobile applications and start-up community and other information and communications technologies, challenges and smart solutions for cities concerning transportation and quality of living.

B. Ogólna charakterystyka zajęć (abstrakt)

In the nutshell this course includes principles of smart cities, such like use of mobile applications (apps), start-ups, public transportation and other mobility solutions, urban analytics (sensor, open data), economic and environmental efficiency of smart cities.

C. Przedmiotowe efekty uczenia się

Wiedza	<p>Students will gain an understanding of principles of smart cities.</p> <p>Students will obtain information about types of smart solutions applied in cities. Students will know best and worst practices in smart cities.</p>
Umiejętności	<p>Students will be able to discuss the nature and outcomes of ICT application in cities.</p> <p>Students will gain skills to presents connections between smart cities, efficiency and economy. Students should be able to present examples of smart districts in various locations in the world.</p>
Kompetencje społeczne	<p>Students will be able to understand environmental dimensions of smart cities.</p> <p>Students will understand the importance of ICT for societies in the contemporary cities.</p>

D. Tematyka zajęć

- 1 Smart cities principles
- 2 Efficiency of smart cities
- 3 Start-ups in smart cities
- 4 Smart buildings and public spaces
- 5 Smart buildings and public spaces
- 6 Transportation
- 7 Transportation

E. Literatura podstawowa (obowiązkowe podręczniki)

- D.Brodowicz, P.Pospieszny, Z.Grzymała, "Eco-cities" e-book, Warszawa 2015.

F. Literatura uzupełniająca

- TED, "City 2.0: The Habitat of the Future and How to Get There", TED Books, 2013. -G. Klein, "Start-up city", Island Press, Washington 2015.

G. Najważniejsze publikacje autora(ów) dotyczące proponowanych zajęć

- D.Brodowicz, P.Pospieszny, Z.Grzymała, "Eco-cities" e-book, Warszawa 2015. - M.Kustra, J.Noennig, D.P.Brodowicz, P.Schmiedgen, Smart City Selling, research paper accepted for 6th STS Italia Conference, Track 23: Exploring social-technical forms of city making, Trento 2016. - M.Kustra, D.P.Brodowicz, Implementing smart city concept in the strategic urban operations - the case of Warsaw, article presented and published in the conference proceeding IFKAD 2016 International Forum on Knowledge Asset Dynamics, Dresden 2016.

H. Sygnatury wymaganych prerekwizytów

nie są wymagane

I. Wymiar i forma zajęć

	Stacj.	Sb.Niedz.	Popołud.
Ogółem:	15	7	15
Ćwiczenia	4	2	4
e-learning	11	5	11

J. Elementy oceny końcowej

kolokwium	40%
inne (projekt)	60%

K. Wymagana znajomość języka obcego

angielski

L. Kryteria selekcji

M. Metody prowadzenia zajęć

kejsy
gry
referaty
dyskusje
udział praktyków
inne