

Tematy prac dyplomowych/Diploma subjects
Rok akademicki 2020/2021
CBSE studia stacjonarne pierwszego stopnia

Katedra Konstrukcji Budowlanych Department of Building Structures		
Promotor	Dr hab. inż. Marta Kosior-Kazberuk, prof. PB. (<i>m.kosior@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Project of foot bridge.	
2	Project of car dealership building.	
Promotor	Dr hab. inż. Mirosław Broniewicz, prof. PB. (<i>m.broniewicz@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Indoor tennis court with steel structure	
Promotor	Dr inż. Marcin Gryniiewicz (<i>m.gryniiewicz@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	A project of a warehouse building steel structure.	

Katedra Budownictwa i Inżynierii Drogowej Department of Construction and Road Engineering		
Promotor	Dr inż. Beata Backiel-Brzozowska (<i>b.backiel@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Assessment of the effectiveness of hydrophobization in the protection of ceramic products	
Promotor	Dr inż. Natalia Stankiewicz (<i>n.stankiewicz@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Evaluation of selected properties of geopolymer composites	
Promotor	Dr inż. Edyta Pawluczuk (<i>e.pawluczuk@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Properties of geopolymer concretes with organic filler	
Promotor	Dr inż. Dorota Małaszkiwicz (<i>d.malaszkiewicz@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	The effect of selected mineral additions on the frost resistance of cement composites	
2	The effect of selected admixtures on the dynamics of setting and hardening of cement composites	
3	The effect of curing conditions on the development of compressive strength of high volume fly ash composites (HVFAC)	
Promotor	Dr hab. inż. Jerzy Obolewicz (<i>j.obolewicz@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Design of technology, organization, safety and health protection of works of a selected construction object	

Katedra Budownictwa Energooszczędnego i Geodezji Division of Energy – Efficient Construction and Geodesy		
Promotor	Dr inż. Beata Sadowska (<i>b.sadowska@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Low-energy buildings in Polish climate conditions	
2	Thermomodernization of a multi-family residential building in Poland	
Promotor	Dr inż. Adam Święcicki (<i>a.swiecicki@pb.edu.pl</i>)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Evaluation of energy standard of a selected single-family house	
2	Thermomodernization of a multi-family residential building in Poland	
3	The concept of yearly energy-efficient houseboat	

Katedra Geotechniki i Mechaniki Konstrukcji Department of Geotechnics and Structural Mechanics		
Promotor	Dr hab. inż. Katarzyna Zabielska-Adamska, prof. PB (kadamska@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Geotextile Encased Columns (GEC) as a method of subsoil improvement	
2	Embankments on soft soils	
Promotor	Dr inż. Katarzyna Dolżyk Szypcio (k.dolzyk@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Dewatering of underground floor of a warehouse hall	
Promotor	Dr inż. Wojciech Gosk (w.gosk@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Design of Retaining Structures using Geosynthetic Reinforcements	
Promotor	Dr inż. Jarosław Malesza (j.malesza@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Project of multi-storey car park.	

Katedra Ciepłownictwa, Ogrzewnictwa i Wentylacji Department of HVAC Engineering		
Promotor	Prof. dr. hab. inż. Mirosław Żukowski (m.zukowski@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Analysis of the impact of the building's energy standard on the cost of the central heating system.	
2	Analysis of the impact of apartment location on energy consumption in a selected multi-family building before and after thermal retrofitting.	
Promotor	Dr hab. inż. Dorota Krawczyk, prof. PB (d.krawczyk@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Heating system design in a single family building.	
2	The analysis of the HVAC system in an office building.	
Promotor	Dr inż. Anna Werner-Juszczuk (a.juszczuk@pb.edu.pl)	
	Tematy/ Diploma subjects	Imię i Nazwisko Dyplomanta
1	Project of central heating and ventilation installation in a single-family house.	

Katedra Technologii w Inżynierii Środowiska Department of Environmental Engineering Technology and Systems		
Promotor		dr hab. inż. Iwona Skoczko, prof. PB (<i>i.skoczko@pb.edu.pl</i>)
Tematy/ Diploma subjects		Imię i Nazwisko Dyplomanta
1	Comparison of water treatment technology in Europe and Africa	
2	Water footprint as a tool of water balance and calculation in Africa.	
3	Virtual water transportation in a tilme of global pandemia.	
Promotor		dr inż. Piotr Ofman (<i>p.ofman@pb.edu.pl</i>)
Tematy/ Diploma subjects		Imię i Nazwisko Dyplomanta
1	Design of a groundwater treatment plant for small settlement unit	
2	Design of a wastewater treatment plant for small settlement unit	
Promotor		dr hab. inż. Wojciech Dąbrowski (<i>w.dabrowski@pb.edu.pl</i>)
Tematy/ Diploma subjects		Imię i Nazwisko Dyplomanta
1	Overview of methods and facilities for dairy waste water treatment	
2	Constructed wetlands for domestic sewage treatment	
3	Overview of sewage characteristics from food industry and basic methods for its treatment	
4	Characteristics of methods and facilities for primary municipal sewage treatment	
Katedra Wodociągów i Kanalizacji Department of Water Supply and Sewage Systems		
Promotor		dr inż. Maria Walery (<i>m.walery@pb.edu.pl</i>)
Tematy/ Diploma subjects		Imię i Nazwisko Dyplomanta
1	Analysis and evaluation of material solutions for the construction and modernization of water supply systems	
2	Medical waste management analysis in a selected health care facility	
Promotor		dr inż. Dariusz Andraka (<i>d.andraka@pb.edu.pl</i>)
Tematy/ Diploma subjects		Imię i Nazwisko Dyplomanta
1	Design of sanitary sewer system for a residential area with commercial facilities.	
2	Design of water distribution network for a residential area with public school.	
3	Alternative design of sanitary sewer system for selected community.	
4	Hydraulic analysis of water distribution network under varying operational conditions.	
Promotor		dr inż. Wojciech Kruszyński (<i>w.kruszynski@pb.edu.pl</i>)
Tematy/ Diploma subjects		Imię i Nazwisko Dyplomanta
1	The water supply network design for a selected housing estate using	

	the computer modeling and the GIS technology.	
2	The wastewater network design for a selected housing estate using the computer modeling and the GIS technology.	
3	The design and modeling of an annular water supply network for the municipal housing estate.	