

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA
 FACULTY OF BUILDING SERVICES ENGINEERING
 DEPARTMENT OF BUILDING SERVICES ENGINEERING

THEMES FOR THE PROFESSIONAL ACTIVITY (2023 – 2024)
FIRST YEAR – PROFESSIONAL MASTER
PROGRAM NAME: BUILDING SERVICES FOR REGENERATIVE CITIES

No.	Theme	Coordinator	Student
1	Impact of building's services on city assessments	Conf.dr.ing. Beu Dorin	
2	Optimizing a HVAC system for a microchip production facility to increase energy efficiency during operation	Conf.dr.ing. Domnița Florin	
3	Optimizing a HVAC system for a multi-purpose facility to increase energy efficiency during operation	Conf.dr.ing. Domnița Florin	
4	Designing heating systems for a nZeB building using renewables	Conf.dr.ing. Abrudan Ancuța	
5	Circular Economy and Life Cycle Assessment in the Steel Industry	Conf.dr.ing. Ilutiu-Varvara Dana Adriana	
6	Positive Energy District	S.l.dr.ing. Rus Tania	
7	Circular economy in building services	S.l.dr.ing. Rus Tania	
8	Retrofit solutions for an office building	S.l.dr.ing. Mare Roxana	
9	Designing an energy efficient HVAC installation serving an office building	S.l.dr.ing. Pop Octavian	
10	Assessment of the possibilities of retrofitting DHW system that serve a swimming complex	S.l.dr.ing. Pop Octavian	
11	Solutions for rainwater management	S.l.dr.ing. Mureșan Dan S.l.dr.ing. Deac Anagabriela	

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THEMES FOR THE PROFESSIONAL ACTIVITY (2023 – 2024)
SECOND YEAR – PROFESSIONAL MASTER
PROGRAM NAME: BUILDING SERVICES FOR REGENERATIVE CITIES

No.	Theme	Coordinator	Student
1	Impact of building's services on city assessments	Conf.dr.ing. Beu Dorin	Pop Marvin
2	Optimizing a HVAC system for a microchip production facility to increase energy efficiency during operation	Conf.dr.ing. Domnița Florin	Botond Antal
3	Optimizing a HVAC system for a multi-purpose facility to increase energy efficiency during operation	Conf.dr.ing. Domnița Florin	Kovrig Peter
4	Designing heating systems for a nZeB building using renewables	Conf.dr.ing. Abrudan Ancuța	Cărmăzan Denisa
5	Life cycle analysis for steelmaking industry	Conf.dr.ing. Ilutiu-Varvara Dana	
6	Positive Energy District	S.l.dr.ing. Rus Tania	Bodiu Ciprian
7	Circular economy in building services	S.l.dr.ing. Rus Tania	Râștei Elena
8	Retrofit solutions for an office building	S.l.dr.ing. Mare Roxana	Rus Lucian
9	Designing an energy efficient HVAC installation serving an office building	S.l.dr.ing. Pop Octavian	Fizeșan Raul
10	Assessment of the possibilities of retrofitting DHW system that serve a swimming complex	S.l.dr.ing. Pop Octavian	Rus Alex - Cristian
11	Solutions for rainwater management	S.l.dr.ing. Mureșan Dan S.l.dr.ing. Deac Anagabriela	Muntean Ioan Liviu

