COURSE DETAIL

URBAN DESIGN STUDIO FOR EMERGING FUTURE CITY

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Urban Studies

UCEAP Course Number
119

UCEAP Course Suffix

UCEAP Official Title
URBAN DESIGN STUDIO FOR EMERGING FUTURE CITY

UCEAP Transcript Title
URBAN DESIGN STUDIO

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

In this studio course, students acquire knowledge and hands-on experience at the intersection of cityscapes, artificial intelligence, and data-driven site analysis and urban design development methods. The lectures focus on the theoretical background of data metrics relevant to urban design. The hands-on sessions help students gain technical skills needed to apply the knowledge. Students apply the theories and skills to analyze the study site, extract current issues, and develop concepts and directions for design interventions. The goal is to acquire foundational knowledge on the theoretical basis, measurement methods, and limitations of key quantitative indicators related to urban design, and learn how to select indicators that align with the objectives of a design project. Students acquire skills in data acquisition and preprocessing; learn how to generate, post-process, and analyze indicators using various spatial data and artificial intelligence; and develop effective communication methods through visualization. Students also learn the process of applying data analysis techniques to the design site to assess current conditions, identify issues and challenges, and establish a foundation for developing planning concepts and alternatives.

Language(s) of Instruction
English

Host Institution Course Number
CRP4731

Host Institution Course Title
URBAN DESIGN STUDIO FOR EMERGING FUTURE CITY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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