

M.Arch International Design Course IV, CAUP, Tongji University

2024 SUSAS Co-Creative Lab

Architecture, Urban Space and Infrastructure

Course Leader: Professor Liu Kan

Teaching Team: Professor Hua Xiahong, Professor Liu Kan

Class Time: Monday afternoon 5-8 sessions, 13:30-17:05, 4 X 18 weeks

Language: English

Location: Classroom 204, Building E



Overview:

2024 Shanghai Lab will incorporate the practical themes of the Shanghai Urban Space Art Season's Co-Creative Lab (2024 SUSAS Co-Creative Lab). The course will focus on the experimental topics of "People and Space" and "Climate and Space", exploring the renewal mechanism and design methodology for the integration of architecture, urban space and infrastructural design in Shanghai's high-density urban areas. The urban design research will focus on the spatial interaction between living, working and commuting in daily life in the city, and recognize the value and significance of urban spatial quality enhancement for a livable city through urban experience, urban observation, urban clues and urban discovery. Integration of architecture, urban space and infrastructural renewal mechanisms and design methods. With the design research perspective of seeking self-regeneration through intrinsic spatial changes, in the context of urban regeneration, not only pay attention to the spatial coupling of the functions of life and transportation, but also pay more attention to the integration mechanism that enables people to obtain more employment opportunities within an acceptable period of time, as well as to enjoy the combination of various types of urban public space and cultural resources in a more equitable manner.

Introduction:

Phase I Urban Experience (2 weeks)

Exercise: Emphasis is placed on students' effective and full understanding of the mechanisms of interaction between urban space and people in their daily lives through an experiential approach, discovering the mechanisms associated with spatial efficiency and the value embodied in the resulting spatial qualities. Students need to be fully integrated in the experiential environment and be able to quickly define efficient and rational units of work and living space. Discover how the interaction of people and spatial functions can be constructed within the mechanisms of open space. Enhance the graphic and multimedia representation of information and logic.

Phase II Urban Observation (5 weeks)

Exercise: Urban observation to study the paradigm of living, working and commuting model in Shanghai under the urban transit network, to discover the multiple values of spatial inclusiveness, and to discover the source categories of happiness experience from the living and working patterns in daily life. The observation will be combined with specific cases of typical urban spaces within the central city of Shanghai, from which will recognize and appreciate the internal factors that promote the formation of spatial integration mechanisms, and try to establish reasonable evaluation guidelines.

Phase III People and Space: West Nanjing Road Area (3 weeks)

Design research, focusing on the jurisdiction of West Nanjing Road Area in Jing'an District, Shanghai, combing the characteristics of the surrounding urban space, from the perspective of people and space, researching the spatial combination of the relationship of high-density urban plots to multiple elements such as commercial, residential, living, cultural and educational elements in the complex transportation infrastructure and chronic transportation system, and proposing the renewal and reconstruction of valuable and life-connected point-like service space through a specific design research feasibility.

Phase 4: People and Climate: Integrated Architectural Urban Design for Jiangsu Road Area (6 weeks)

Design practice, around the Changning District, Shanghai, Jiangsu Road Street area of 1.5 square kilometers, began to realize the specific integration of architecture and urban renewal and transformation design in the region, the work task is based on the depth of the urban design, to complete the corresponding design tasks, and at the same time, systematically put forward by the integration of architectural and urban space renewal and transformation of the practice of the design results. Experimentally carry out the urban experimental research on the utilization mode of complex space renovation based on rail transit and chronic life experience under the complex urban network.

Phase 5: Final Design Defense and Exhibition (1 week)

Synthesizing the design research results of the first 4 phases, the final results are exhibited and defended with expert assessment of the drawings.

