

Data Sheet of International Graduate's Course CAUP, Tongji

同济大学建筑与城市规划学院研究生国际课程(英语)登记表

Course Code 课程编号	201040201	Department 所在系(√)	A	P	L	D	院登记号 CAUP Code	
Instructor(Title) 主讲教师(职称)	Assoc. Prof. LI Qing	Other Teachers 合作教师	Asst. Prof. SHAN Lu					
	李晴 副教授							
课程中文名	城市设计							
Course Name (E)	Urban Design							
Form of Teaching 教学形式 (√)	Lectures 讲课	Design Studio 设计课	Seminar 研讨课		Internship 实践课		Others 其他	
		√						
Total Hours 总学时数	34	Hours per Week 周课时	2		Weeks 教学周数		17	
Semester 春季或秋季学期	Spring 春季	Tongji Credits 同济学分数	2					
Brief Course Description 课程简述 (中英文)								
<p>After decades of fast development, China is now transforming the mode of its economic growth and urban development. One of the major features in the transformation is shifting the focus from the quantity-oriented to the quality-oriented centering on humanism. Different from the previously fragmented development, new approaches are to aim at more pedestrian-oriented, greener and more sustainable mode.</p> <p>This course will be tied with the Future Planners' Land Planning Design Competition organized by the Ministry of Natural Resources of China. Its aim is to leverage the leading and foundational role of space planning, deepen the integration of planning and land policies, and focus on achieving the goal of building a "innovative, livable, beautiful, resilient, civilized, and intelligent" modern people's city. The theme of the competition is "Enabling Planning to Drive Intrinsic Development, and Designing People-Centric Cities". It focuses on "Cultivating Cultural City, Promoting Industry of the City, Enabling People to vitalize the City, and Integrating Greenery into the City". The design will be oriented towards three design directions: urban village renovation, old city renewal, and industrial sites revival.</p> <p>经过数十年的快速发展，中国如今正在转变其经济增长和城市发展的模式。这一转变的主要特征之一是将重心从以数量为导向转向以注重人文精神为导向，实现从粗放型向集约型的转变。与以往分散式的发展模式不同，新的发展方式将致力于更具人性化、更环保且更可持续的模式。</p> <p>此门课程将结合中国自然资源部人力资源开发中心的未来规划师国土规划设计竞赛，目的是发挥国土空间规划引领性、基础性作用，深化规划与土地政策融合，围绕建设“创新、宜居、美丽、韧性、文明、智慧”的现代化人民城市目标，以“规划赋能内涵发展，设计营造人民城市”为主题，聚焦“以文化城、以业兴城、以人活城、以绿融城”，运用城市设计理念和方法，提高城市空间场所品质。规划设计面向城中村改造、旧城更新、工业遗址保护与更新 3 个设计方向，</p>								
Brief Schedule and Topics 课程进度简表 (中英文)								

Week 1: Course Introduction, Grouping by different background.

课程介绍，学生分组

Week 2: Mapping methodology, site analysis based on the Notice by group.

Mapping方法论讲课，依据“通知”分组讨论基地选择

Week 3: Group presentation of reasons of the site choice and analysis of the background of the city with the topic of the chosen site.

小组汇报，分析基地选择的理由，依托所选基地的方向分析城市背景

Week 4: Site survey by off-line and on-line, especially on the specific features of the chosen site, including the physical, demography, economical and cultural elements.

在地和线上基地调研，包括特征、人口、经济和文化特征

Week 5: Analysis of one key question and main sub-issues of the chosen site, and the design concept and its strategies.

总结一个关键问题，以及其他子问题，提出设计概念与策略

Week 6: Group presentation and discussion on concept, vision, draft ideas of the master plan, and case study.

小组汇报，包括设计概念与策略、愿景、总平面草图和案例分析

Week 7: Deepening the master plan with the analysis of the layer method.

按照分层分析的方法展开总平面深化

Week 8: Preparation for the mid-term review with the narrative of the concept, the refined master plan, diagrams for the analysis of the scheme and rendering of some references of scenarios.

中期评图准备，包括设计概念演绎、总平面、方案分析和局部节点示意

Week 9: Mid-term review, presenting ppt and printed A0 boards for a clear narrative story.

中期评图，包括PPT、A0图纸和一个清晰的故事

Week 10: Summary and reflection of the mid-term review, deepening the master plan and the detailed nodes design.

中期评图总结和反思，深化总平面和节点设计

Week 11: Confirming the master plan, deepening the detailed nodes design with 3d model.

完成总平面图，深化节点设计，3d建模

Week 12: Group presentation on the detail design of nodes, 3d model and rendering.

小组汇报，包括细化的节点设计，3d模型和效果图

Week 13: Deepening the detail design of nodes, 3d model and rendering.

深化节点设计，3d模型和效果图

Week 14: Refining the detail design of nodes, 3d model and rendering.

完成节点设计，3d模型和效果图

Week 15: Rehearsal of the final review, concept, master plan, the detail design, 3d model, A0 posters, for a clear narrative story.

最终汇报准备，A0图纸，概念演绎、总平面、节点设计，3d模型和效果图和一个清晰的故事

Week 16: Final Review, with invited external critics, urban designers and planners, and administrators.

学生最终汇报

Urban Design

Instructor: Dr. LI Qing, Associate Professor, Email : liqing08@tongji.edu.cn

Dr. SHAN Lu, Assistant Professor

Dr. JI Wenhua, Instructor

Office: Room D3, Building D, CAUP Office Hours: by appointment

Aim of the course

Its aim is to explore the leading and foundational role of space planning, and focus on achieving the goal of building a "innovative, livable, beautiful, resilient, civilized, and intelligent" modern people's city.

Week 1: Course Introduction, Grouping by different background.

Week 2: Mapping methodology, site analysis based on the Notice by group.

Week 3: Group presentation of reasons of the site choice and analysis of the background of the city with the topic of the chosen site.

Week 4: Site survey by off-line and on-line, especially on the specific features of the chosen site, including the physical, demography. economical and cultural elements. (The dates might be changed based on the newest information from the organizers.)

Week 5: Analysis of one key question and main sub-issues of the chosen site, and the design concept and its strategies.

Week 6: Group presentation and discussion on concept, vision, draft ideas of the master plan, and case study.

Week 7: Deepening the master plan with the analysis of the layer method.

Week 8: Preparation for the mid-term review with the narrative of the concept, the refined master plan, diagrams for the analysis of the scheme and rendering of some references of scenarios.

Week 9: Mid-term review, presenting ppt and printed A0 boards for a clear narrative story.

Week 10: Summary and reflection of the mid-term review, deepening the master plan and the detailed nodes design.

Week 11: Confirming the master plan, deepening the detailed nodes design with 3d model.

Week 12: Group presentation on the detail design of nodes, 3d model and rendering.

Week 13: Deepening the detail design of nodes, 3d model and rendering.

Week 14: Refining the detail design of nodes, 3d model and rendering.

Week 15: Rehearsal of the final review, concept, master plan, the detail design, 3d model, A0 posters, for a clear narrative story.

Week 16: Final Review, with invited external critics, urban designers and planners, and administrators.

Assignments & Grading

Final mark consists of 50% for the performance of the participation in group work, 40% for the final product and 10% for attendance. Students are expected to participate actively.

Main Reference Books 主要参考书目

- [1]Aleksander Noworól; Piotr Kopyciński; Paweł Hałat; Jeremiasz Salamon; Artur Hołuj.The 15-Minute City—The geographical Proximity of Services in Krakow[J].Sustainability,2022,Vol.14: 7103
- [2]Amélie Dakouré; Lise Bourdeau-Lepage; Jean-Yves Georges. Chapter 4 - The Paris urban plan review : an opportunity to integrate the 15-Minute City concept into the perspective of the Parisians desire for nature[J].Resilient and Sustainable Cities,2023,Vol.15: 1-5
- [3]Amir Reza Khavarian-Garmsir; Ayyoob Sharifi; Ali Sadeghi. The 15-minute city: Urban planning and design efforts toward creating sustainable neighborhoods.[J]. Cities,2023,Vol.132: 104101
- [4] Carr, W., Kemmis, S., 1986, *Becoming Critical: Education. Knowledge and Action Research*. London: Falmer.
- [5]Carolyn Birkenfeld; Rodrigo Victoriano-Habit; Meredith Alousi-Jones; Aryana Soliz; Ahmed El-Genaidy. Who is living the 15-minute city lifestyle? Towards a better understanding of the 15-minute-city and 30-minute-city concepts from a behavioural perspective in Montréal, Canada[J]. Journal of Urban Mobility,2023,Vol.3: 100048.
- [6] Chavis,D., Wandersman, A. (1990), Sense of Community in the Urban Environment: A Catalyst for Participation and Community Development, *American Journal of Community Psychology*, 1, 55-81.
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- [8]Georgia Pozoukidou.15-Minute City: Decomposing the New Urban Planning Eutopia[J].Sustainability,2021,Vol.13(2): 1000
- [9]Graells-Garrido, Eduardo; Serra-Burriel, Feliu; Rowe, Francisco; Cucchietti, Fernando M; Reyes, Patricio.. A city of 15 minutes: Measuring how 15-minutes urban accessibility shapes human mobility in Barcelona.[J].PLoS One,2021,Vol.16(5): 1-15
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- [11] Taylor, R. B. (1988). *Human territorial functioning: An empirical, evolutionary perspective on individual and small group territorial cognitions, behaviors, and consequences*. New York: Cambridge University Press.
- [12]Thomas Papas; Socrates Basbas; Tiziana Campisi. Urban mobility evolution and the 15-minute city model: from bottom-up approach[J].Transportation Research Procedia,2023,Vol.69: 544-551
- [13]Willberg, Elias; Fink, Christoph; Toivonen, Tuuli. The 15-minute city for all? – Measuring individual and temporal variations in walking accessibility.[J].Journal of Transport Geography,2023,Vol.106: 103521
- [14]Yanxi Li; Yanwei Chai; Zifeng Chen; Chunjiang Li.From lockdown to precise prevention: Adjusting epidemic-related regulations from the perspectives of the 15-minute city and spatiotemporal planning[J].Sustainable Cities and Society,2023,Vol.92: 104490
- [15]Zaheer Allam, Mark Nieuwenhuijsen, Didier Chabaud, Carlos Moreno.The 15-minute city offers a new framework for urban sustainability, liveability, and health[J].The Lancet. Planetary health,2022,Vol.6(3): e181-e183
- [16]Zaheer Allam; Simon Elias Bibri; Didier Chabaud; Carlos Moreno. The Theoretical, Practical, and Technological Foundations of the 15-Minute City Model: Proximity and Its Environmental, Social and Economic Benefits for Sustainability[J].Sustainable Cities and Society,2022,Vol.15(6042): 6042
- [17]Zaheer Allam; Simon Elias Bibri; Didier Chabaud; Carlos Moreno. The ‘15-Minute City’ concept can shape a new urban future[J].Humanities & Social Sciences Communications,2022,Vol.9(1): 1-5

[18] Shanghai Planning and Nature Resource Bureau, Shanghai action guidance of 15-minute community-life circle (in Chinese). 2023.01

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