

研究型设计
Research and Urban Design Studio
同济大学建筑系， 2018 SS， 研究生设计（二）
Architecture Department, Tongji University, 2018 SS, Master Degree
Architecture Design Studio (2)

创意城区

基于自组织理论的创意产业城区城市设计

Creative District

Urban design of creative district based on self-organization theory

授课教授：孙彤宇教授，许凯副教授
Prof. SUN Tongyu, associate Prof. XU Kai

课题内容

Introduction of the topic

小型、微型的创意产业聚集在一起，形成创意社群。创意社群的主要特点是各种产业功能相互联系，并与城市其他功能共存，它是一个复杂的生态网络。

很多这样的创意城区往往是“生长”出来的，而不是“规划”出来的。创意社群进入城市，往往先是通过特定产业租用已有空间、逐步改造和扩张，进而改变整个城区的空间结构和风貌。新的城区结构，既满足创意产业的空间需求，也促进了城市特色和吸引力的形成，进一步则触发了其他产业的进入，如城市旅游业。国内很多案例如大芬村、田子坊、798，都是艺术类创意产业进入形成的特色城区，最后成为城市更新的样板区与和城市旅游的目的地，这证明了创意社群的嵌入对城市发展的重要影响。

如何研究、分析和通过城市设计引导特色城区的发展，是非常重要的。自组织理论关注复杂系统的生长过程和生长原理，是可以用于解释此类城市区域发展的理论。本次设计课以引导学生从自组织理论的视角，运用城市分析的手段工具，对国内知名案例进行分析研究，得出相关研究结论。并将研究结论运用于上海鞍山路社区，寻找通过创意产业嵌入实现城市更新的方法，并对更新后的空间结构、产业分布和公共空间场景做出预测。

Small and micro scaled creative industries stay together thus creative communities are formed. Creative community represents the complicated

ecological system composed of various interconnected creative industries and symbiotic non-industrial urban functions.

It is interesting that most of urban districts characterized by creative communities are growing spontaneously, rather than being planned. Creative industries first use existing spaces by renting, and then restructure these spaces and expand, until the whole area and its spatial structure is gradually transformed, meanwhile the urban district greatly profit from this process by gaining urban identity, growth in economy and attraction for new industries such as tourism. Many cases, such as Dafen Village (Shenzhen), Tianzifang (Shanghai) and 798 (Beijing), showcase that the embedded creative community can be a key to urban regeneration.

Self-organization theory, a theory derived from modern physics and being recently introduced to researches on city, is treated here as theoretical bases and tool to analyze such bottom-up process. This studio will guide students to conduct research on important creative community cases in China (Shanghai, Beijing, Shenzhen and Xiamen). All research works will be formatted into future academic publication. Taking the conclusions and basic analyze instrument of the researches, the students will make urban design on Shanghai An'Shan Community, providing design strategies for embedded creative industries, and creating “creative blocks” and “creative streets” as places for them. Urban design shall also demonstrate appropriate spatial structure, form and image of public space for the future of this district.

第一部分：课题介绍（第1周）

PART 1: Introduction of the topic (week 1)

课题介绍将在第一次设计课介绍。学生按照案例分成五组。此外，第1周随后的其余时间另组织两次讲座（孙彤宇：《自组织与城市街道研究》，许凯：《自组织理论与城市更新》）和一次课外参观。

Introduction of studio topic is to be made in the first studio class. Students are to be grouped in five, each taking one case. Besides, two lectures (given by Prof. SUN Tongyu (<Self-organization and urban street>) and Prof. XU Kai (<Introduction of self-organization theory and its role in urban regeneration>)) and 1 excursion are to be arranged in the following week.

第二部分：案例调研、分析与研究成果编写（第2-6周）

PART 2: Case investigation and analysis (Week 2-6)

案例：上海田子坊、深圳大芬村、北京 798、厦门沙坡尾、厦门曾厝垵
Case selection: Shanghai Tianzifang, Shenzhen Dafen Village, 798 Art Zone in Beijing, Xiamen Shapowei Creative Harbor, Xiamen Zengcuoan Art Village

第 2 周：文献收集、整理和基础信息汇报，研究计划制定

Week2: Literature research and presentation. Research Plan making.

- 要求学生收集与创意产业相关的文献和与本组选择的案例相关的文献进行整理研究并进行汇报，内容包含：（1）什么是当代创意产业的定义？它的基本特点和空间特色是什么？（2）什么是创意社群？它的基本特点是什么？它的城市的经济、社会、空间的影响是什么？（3）本组选择的案例的产业和产业生态关系是什么？（4）案例的发展历程和自组织特点。

此后，由许凯解释案例研究任务，共同制定研究计划。

Students are required to collect Chinese and English literature about creative community and about the case selected by the group. PPT presentation shall have contents as followed (1) What is creative industries? (2) What is creative community? What is its impact on city's economy, society and space (3) what is main identity of industries in the case selected by your group, (4) the evolution of case and what you understand about its self-organization character.

Prof. XU Kai will discuss with all students about the research plan in coming weeks.

第 3 周-第 4 周：国内案例现场调研，采访、绘制初步分析图纸（本项目将资助学生外出调研的差旅费用，具体标准课上介绍）

Week 3 to Week 4: Site investigation, interview, and preliminary analysis drawings (Part of the students' travelling cost will be covered by the studio expense)

第 5 周-第 6 周：制作研究成果

Week 5 to Week 6: Working on case analysis

- 基础分析：区位，功能，交通，城市肌理（按照指定格式绘制）
Basic analysis: location, function of site and related areas, transport, urban fabric
- 照片记录：空间-工作及相互关系（要求高质量照片）
High-quality photo documenting space-creative industry relation
- 采访代表性利益相关者（管理人员、学者、各利益相关者（租户）至少一名）
Interview on representative stakeholders (administration stuff, scholar and tenant)
- 全局包含周边城区绘本形式轴测图（按照指定格式，SU 建模导矢量图制作）
3D axonometric view of whole area including related urban areas (shall be in form of axonometric depictive drawing with reference to the given images)
- 产业分析 1：类型-数量-空间规模（三向量分析图，参照分析图样本）
Analysis of industries 1: types-numbers of work units-space scale (analysis diagram according to reference images)
- 产业分析 2：产业生态网络图（参照分析图样本）
Analysis of industries 2: ecological relation between different industries types (analysis diagram according to reference images)

- 产业分布形态：各种产业的分布三维图（分三个阶段画：嵌入阶段、生长阶段、成熟（衰落）阶段，具体阶段划分调研后讨论确定）
3D analysis of Distribution of different types of industries (analysis shall be based on three periods: embedding period, growing period, mature (falling) period)
- 典型空间单元绘制(确定类型后每种类型用 SU 轴测绘本方式表达)
Typical space unit (shall be in form of axonometric depictive drawing according to reference image)
- 典型单元分布图 (三维分析)
Distribution of different typical spatial units (3D analysis).

第三部分：城市设计（第 7-12 周）

PART 3: Urban Design (Week 7-12)

每个组在对鞍山社区进行分析的基础上，充分研究区域的创意产业嵌入潜力，并选择阜新路选择一段或鞍山社区内的一个区域，进行产业嵌入和生长实验。城市设计需要充分体现研究的结果，对产业创意产业相关的房屋改造方式、公共空间改造方式和效果进行设计。城区在创意产业影响下的空间结构应该被预测和规划。

Each group shall find out the spatial potentials for creative industries in An'shan District, and select a part of Fuxin Road or An'sha District to be site of creative industry embedding experiment. Urban design shall reflect the research findings, demonstrating change in the building, blocks and related public space. The future urban structure influenced by creative industries shall be planned.

第 7 周：基地调研与产业嵌入分析

Week 7: Site survey and creative industry analysis

- 绘制基础图纸(区位、交通、居住人群、城市肌理、城市功能、资源)并进行产业预测和分析（参照案例研究的相同方法）
Site survey, site analysis (location, transport, residents, urban fabric, function, resources...) and planning for future embedded creative industries (students can use the methodology that they already use in case research)

第 8-11 周：设计阶段

Week 8-11: Urban Design

- 确定嵌入区域
Select areas for creative industries to embed
- 预测产业生长与分布规律
Prediction of growth of industries and their distribution
- 确定典型空间单元类型，并详细设计代表性类型（平、立、剖）
Determine types of typical spatial unit, and design representative units (floor plan, elevation and section)

- 可视化表达: 特色空间单元、群组、街道及其他公共空间
Visualization: spatial units, clusters, streets and other public space

第 12 周: 最终汇报

Week 12: Final presentation

日程安排
Schedule

Week	Date	Content	Place	
Week 1	14th Mar.	Introduction	Introduction of the topic. Schedule for 2 lectures and 1 excursion to be informed	E314
Week 2	21st Mar.	Case Research	Literature research and presentation. Research Plan making.	E314
Week 3	28th Mar.		Case investigation, interview, and preliminary analysis drawings (Part of the students' travelling cost will be covered by the studio expense)	Shanghai, Beijing, Shenzhen & Xiamen
Week 4	4th April		Working on case analysis	E314
Week 5	11th April			E314
Week 6	18th April			E314
Week 7	25th April		Urban Design	Site survey and creative industry analysis
Week 8	2th May	Urban Design		E314
Week 9	9th May			E314
Week 10	16th May			E314
Week 11	23th May			E314
Week 12	30th May	Final Presentation		E314