

Data Sheet of International Undergraduate's Course, Tongji CAUP

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	02031301	Department 所在系(√)	A √	P	L	D	院登记号 CAUP Code	
Instructor(Title) 主讲教师(职称)	HE Yong 贺永	Other Teachers 合作教师						
课程中文名	密度与居住 – 高密度居住社区问题专题研讨							
Course Name (E)	Density and Habitat-Issues of High-Density Neighborhood							
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	9	Hours per Week 周课时	1		Weeks 教学周数		9	
Semester 春季或秋季学期	Fall 秋季	Tongji Credits 同济 学分数	1					

Brief Course Description 课程简述 (中英文)

Density & Habitation is a basically and theoretical course for architecture freshman and sophomore. It is an addition for design courses – design fundamental, architecture design fundamental and architecture design. It takes the high-density neighborhood as the study subject and focus on the issues companied with the high-density housing located in shanghai.

The aim of the course:

- 1) ability of independent study.
- 2) ability of scientific research.
- 3) the sense of professional responsibility.

《密度与居住》是一门基础性、理论性建筑学专业课程，它面向一、二年级本科生开设，是设计基础、建筑设计基础和建筑设计课程的拓展与延伸。它以高密度住区作为课程讲授和讨论的对象，围绕高密度住宅相关问题，结合上海住宅发展的现状，就高密度住区的相关问题的进行讨论和研究。

本课程旨在培养学生以下几方面的能力：

- 1) 培养学生的自主学习能力。本课程以学生为主体，通过课程的设计和组织的提高学生在课程教学过程中的参与度与投入度，提升学生在专业学习过程中的学习能力和学习效率。
- 2) 培养学生的基本研究能力。课程通过引入文献阅读-发现问题-讨论问题-提出策略的思路组织课堂教学。让学生建立对于科学研究的基本概念，养成学生科学思维的方法。
- 3) 培养学生的职业责任意识。通过对城市居住问题、居住空间与城市空间的关系等的基本问题的概念诠释与讨论，通过调查、访谈等田野手段尝试让学生建立对于居住与城市、居住与社会的认识，形成

基本的社会责任意识。

Brief Schedule and Topics 课程进度简表 (中英文)

Seminar 1: Introduction

week 9

introduction

Exercise

Seminar 2: Modern Urban Housing in Shanghai I

week 10

Lecture

Presentation

Reading & Discussion

Exercise

Seminar 3: Modern urban housing in Shanghai II

week 11

Lecture

Reading & Discussion

Exercise

Seminar 4: Density

week 12

Lecture

Reading & Discussion

Exercise

Seminar 5: Field Trip or Presentation

week 13

Field trip

Reading & Discussion

Exercise

Seminar 6: Unit density

week14

Lecture

Reading & Discussion

Presentation

Exercise

Seminar 7: High- or low-rise,
week15

Lecture:

Reading & Discussion

Presentation

Exercise

Seminar 8: Guest lecture
week16

Lecture:

Reading & Discussion

Seminar 9: Final Review
week17

Pin up

Course Syllabus 课程大纲 (中英文)

This seminar aims to explore the relationship between the physical density of neighborhood and the residents who living there and their living experience. We will introduce the development of modern urban housing in shanghai to have the basic knowledge of shanghai urban housing. We will discourse the unit density and the related effective elements through case study and field surveying of several neighborhoods.

This seminar will attempt to have the basic knowledge of residential density and understand the issues of the high-density neighborhood in Shanghai.

- To have a basic knowledge of the residential density and livability.
- To understand how density concepts vary by sub-culture and position- presenting multiple perspectives on the neighborhood.
- To have the ability to use systematic methods needed to gain multiple perspectives, to have the ability to collect and analyze data, including but not limited to observation-mapping, behavior traces, questionnaires, participant observations, cognitive mapping, and so on.
- To develop critical thinking about the values embedded in neighborhood and the consequences for people.

·To critically understand the issues of high-density neighborhood.

Course Requirements

Attendance: 20%

Attendance is mandatory. Regular, enthusiastic and informed participation in class discussions is an important part of your contribution to the class. Missing 3 classes you will get Fail.

Reading and Participation in Discussions: 20%

-You are going to lead one seminar sessions of reading and discussion.

-You are required to prepare a brief response of the critical questions to one of the assigned readings of no less than 100 words, which you may be asked to read aloud at the start of the class discussions each week.

-Your response could be a summary; or it could present critical issues/questions the reading has raised for you. You may also use it to suggest connections/conflicts with previous readings, or perhaps establish a link with work you are doing in other courses.

-A copy of your response must be submitted at the beginning of each class with your name on it.

Presentation 30%

You will give two presentations in the seminar:

- Presentation 1 (week 10):

An introduction of you neighborhood

· You may choose to examine one of the neighborhood you lived in your country or a neighborhood you have lived in (not including shanghai); you may also choose to introduce an example or cases come from the books or other media you have been there before but with a particularly appropriate illustration of the neighborhood.

· Prepare PPT or other materials (sketches, photos, some words, videos, and so on) to help focus discussion in your presentation, and bring them to class.

· Giving the presentation in 5 minutes.

-Presentation 2 (week 14 & week 15)

· You may choose to examine one of the neighborhood or three neighborhoods given in the lecture and to make a field surveying by yourself (the case Chunguangcun in Chongming go by bus together with professor). You can examine more neighborhood around or you are interested in to make a deep understand of the topic of the seminar.

· you need to select a topic as your study after the visiting and field surveying. Here are some topics, you can give one from.

The life in different density

Public space
 Parking and circulation
 Greenery
 Facility
 ...

- Prepare PPT of description of the visiting neighborhood, perspective of the surveying, topic of your research and viewpoint of you final paper and bring them to class.
- Giving the presentation in around 15 minutes (including answer the question from other students and professor and taking advices).
- 3 students give the presentations in week 14; the other 3 students give the presentations in week 15.

Report 30%

- Small paper (2-3 pages).
- A report base on the presentation 1.
- Due by week 14, accounts for 10%.
- Final paper (no less than 5 pages).
- A report base on the presentation 2.
- You are required to produce a density mapping of Tongjixincun at the end of term in response to the analytical field research.
- submit the paper through email: hiheyong74@163.com, titled with your name or submit printed paper to mail box 贺永 in front of the office of Architecture Department.
- Due by the end of the semester (week 19) Jan. 20, accounts for 20%.``

Papers are to be presented on A4 sheets with a 2” margin to the edges, and lettering should be with Aerial 12 type as the given template.

LATE SUBMISSIONS WILL NOT BE ACCEPTED

Schedule:

Week	9	10	11	12	13	14	15	16	17
Lecture	●	●	●	●		●	●	●	
Readings & discussion		●	●	●		●	●	●	●
presentation		●				●	●	●	●
paper				●					
Field trip		●			●				

Definitions:

Notes on readings:

- 1) Readings listed below intended as a research resource and as a supplement to weekly reading assignments.
 - 2) Chapters and essays from books are given by professor.
-

Seminar 1: Introduction

week 9

introduction

Course content and schedule.

Basic requirements and assessment.

Issues and topics of researching paper and presentation.

Field trip.

Exercise

-Prepare a PPT or other materials (sketches, photos, some words, videos, and so on) which talk about your own neighborhood in your own county or your favorite neighborhood (not including in Shanghai).

It's maybe including:

- Master plan (Google map, CAD, ...)
 - building type (high-rise, low-rise, medium-rise, ...)
 - people
 - density (FAR, Unit density, or population density)
 - Pictures, sketches, photos, videos, ...
 - Your own points
- Readings
-

Seminar 2: Modern Urban Housing in Shanghai I

week 10

Lecture

-Modern urban housing in Shanghai part 1 (1840-1980)

-Field trip and requirements

Presentation

Each group/student gives a presentation about a brief introduction of the neighborhood who lived in or his/her favorite one from book or other media.

In 5 minutes.

Reading & Discussion

Topic: The life in the neighborhood with different density.

Exercise

- Field trip (Ruihong neighborhood OR Zhongyuan neighborhood)
- Reading

Seminar 3: Modern urban housing in Shanghai II

week 11

Lecture

- Modern urban housing in Shanghai part 2 (1980-2010)
- paper writing and requirements

Reading & Discussion

Topic: high-density neighborhood and it's issues

Exercise

- Field trip (Ruihong neighborhood OR Zhongyuan neighborhood)
- Write small paper base on the presentation 1
- Reading

Seminar 4: Density

week 12

Lecture

- On Housing Density
- density mapping and requirements

Reading & Discussion

Topic: Designing for High-Density Living

Exercise

- Field trip (TONGJI xincun neighborhood)
- Reading

Seminar 5: Field Trip or Presentation

week 13

Field trip (Dec. 12/13) Chunguang cun, Chongming OR

Reading & Discussion

Exercise

- field trip
 - Prepare the presentation 2
 - Reading
-

Seminar 6: Unit density

week14

Lecture

- the correlation factors and comparative analysis of unit density

Reading & Discussion

Topic: Density control and the quality of living space

Presentation

- Prepare PPT of description of the visiting neighborhood, perspective of the surveying, topic of your research and viewpoint of your final paper and bring them to class.
- Giving the presentation in around 15 minutes (including answer the question from other students and professor and taking advices).

Exercise

- Produce a map of density (TONGJI xincun neighborhood)
 - Prepare the presentation 2
 - Reading
-

Seminar 7: High- or low-rise,

week15

Lecture:

- High-rise or low-rise

Reading & Discussion

Topic: Environmental Satisfaction in High- and Low-Rise Residential Settings

Presentation

- Prepare PPT of description of the visiting neighborhood, perspective of the surveying, topic of your research and viewpoint of you final paper and bring them to class.
- Giving the presentation in around 15 minutes

Exercise

- Produce a map of density
- Reading

Seminar 8: Guest lecture

week16

Lecture:

- to be confirmed

Reading & Discussion

- to be confirmed

Seminar 9: Final Review

January 08 week17

- Pin up (density mapping with A3 sheet , color print)
- presentation of final report
- report discussing
- Advice giving

Main Reference Books 主要参考书目

Reading list:

“Chapter 11-Twentieth-century apartment dwelling-Ideals and realities” part 1 (1924), from *Housing and Dwelling-perspectives on modern domestic architecture*, Barbara Miller Lane, 2007.

“Chapter 11-Twentieth-century apartment dwelling-Ideals and realities” part 2(1985), from *Housing and Dwelling-perspectives on modern domestic architecture*, Barbara Miller Lane, 2007.

Charles J. Holahan and Brian L. Wilcox, “Chapter 8 Environmental Satisfaction in High- and Low-Rise Residential Settings: A Lewinian Perspective” from *Residential Crowding and Design*, John R. Aiello, Andrew Baum, 1979.

Allen Schiffenbauer "Chapter 14 Designing for High-Density Living", from *Residential Crowding and Design*, John R. Aiello, Andrew Baum, 1979.

"Chapter 2.5 The High-rise Experiment", from *Homes and Health-how housing and health interact*, Bernard Ineichen, 1993.

Edwin H.W. Chan, Bo-sin Tang, Wah-Sang Wong , *Density control and the quality of living space-a case study of private housing development in Hong Kong*, international habitat, 2002.

Gerhard Steixner, *The Greatest Number, Housing Density*-Inst. of Arch. and Design, HB2, 2012