

USC School of Architecture Fall 2020

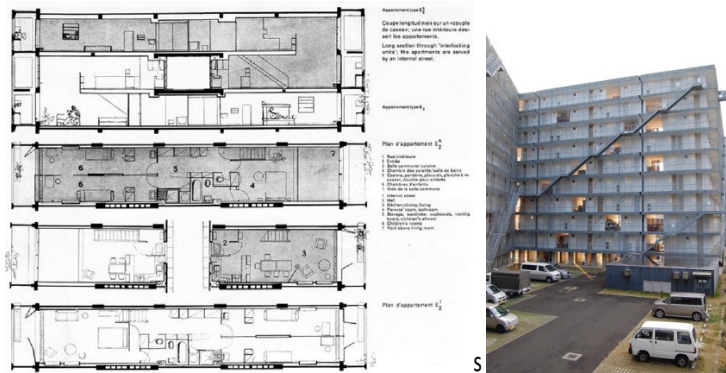
Arch 528 Urban Housing Types and Typologies Instructor:

Olivier Touraine

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Credits: 2 Units

Meeting Time: Monday 9am to 10:50am on Zoom



Le Corbusier Unite d'habitation section. SANAA Gifu housing units

Course Description

This course introduces precedents for designing multi-family housing. A review of the sources of Pre-modern and modern housing types, the impact of building codes and technology on the form and construction, and a study of housing densities, provides the backdrop for the comparative analysis of multi-family residential patterns. Emphasis is placed upon developing a critical knowledge of historic housing typologies as they are applied to site conditions and groupings, building form and organization, and the design of individual dwellings.

Format

This class will combine research, reading, and class presentations. Typically, each class session will begin with a discussion about the previous class followed with presentations by the instructor and students. Over the course of the semester, each student will organize a Power Point presentation for class discussion. The topic will come from a list of selected case studies.

Examinations, Policies, Grading, Office Hours

There will be weekly readings of selected articles from the course reader, 1 midterm evaluation and a semester project. The final grade will be determined as follows. Assignments follow the course weekly schedule.

Submission will be via Blackboard:

- 30% for the midterm assignment
- 50% for the final semester evaluation
- 10% for class attendance on Zoom
- 10% for class discussions

Semester Project

This semester project will focus upon the documentation and analysis of one or more of the typologies covered in the course materials. This will include a Power-Point presentation in zoom class and the production of images and narrative explaining the project. The project and presentation format will be organized in several stages over the course of the semester.

The course explores themes from well over a century of architectural concerns from Pre Modern to present Post-Vanguard dwelling in the whole world. Lectures cover debates over typologies, technology, materials, scale, and social conditions. Student will conduct a case study on a specific project and will share it with the class with PPT, diagrammatic analysis. Each student will select one out of a list of international projects that instructor will provide. The work will be included in a class book produced at the end of the term.

Use of Blackboard

We will use USC's Blackboard system in the management of this class. Blackboard can be reached at <https://totale.usc.edu> once you are registered in this course your name will appear on the class list and you have access to all the course materials that have been posted as well as your grades. Course documents will include a slide library for reviewing lecture material, class announcements, and e-mail messaging. You must have a valid registration and a USC e-mail address to use Blackboard. Please check to be sure that your Blackboard e-mail address is correct. I will send messages to your USC e-mail account only.

Learning Objectives

Critical Thinking: Students will learn to establish relationships and understand the impact of ideas based on the study and analysis of multiple theoretical, social, political, economic, cultural, and environmental contexts. Students will use a diverse range of skills to think about and convey architectural ideas, including writing, investigating, speaking, drawing.

Studies of History and Local Culture: The course offers the understanding of the parallel and divergent aspects of architecture and the cultural context of the vernacular, the local, and regional settings in terms of their political, economic, social, ecological, and technological factors.

Additional Policies

Attendance is very important. Because much of the learning takes place through Zoom, it is more imperative than ever that you take class attendance seriously. It is measured through your participation in class discussions, in-class Q+A. This amounts to 10% of your grade. If you do not attend class—your participation grade will likely suffer. Students will be noticed at mid semester and/or toward the end of the semester if they have missed more than 2 classes. If you are more than 30 minutes late for class you have missed the class.

Reading assignment will be available for you and conversations with the instructor and student colleagues are useful before class begins.

Suggested References:

Fernandez, Mozas, Arpa	<i>HoCo Density Housing Construction & Costs a+t densities series</i>	Schneider,
Friederike	<i>FloorPlanAtlas</i>	Birkhauser
Sherwood, Roger	<i>Modern Housing Prototypes</i>	Harvard Paperback

Course Schedule:

In addition to in-class contact hours, all courses must also meet a minimum standard for out-of-class time, which accounts for time students spend on homework, readings, writing, and other academic activities. For each unit of in-class contact time, the university expects two hours of out of class student work per week over a semester. Here under is a temporary schedule some adjustment may occur.

Week 1 Monday 8/24 9am to 11am:

Introduction to urban housing class
Origins and pre-modernist way of living examples in the western world

Week 2 Monday 8/31:

Origins and pre-modernist way of living examples in the rest of the world

Week 3 Monday 9/7:

Labor Day, No class

Week 4 Monday 9/14:

Assignment organization. Student will be allocated a case study and date for PPT. Site conditions.
The context: Topo, culture, sociology and other parameters
The impact of housing densities on the quality of urban life

Week 5 Monday 9/21:

The evolution of residential building types
The legacy of the early 20th century functionalist housing typologies,

Week 6 Monday 9/28:

CIAM and the limits of hi-rise housing (Housing Density Study)

Week 7 Monday 10/5:

Building Type Studies: The Perimeter block and other block infill types

Week 8 Monday 10/12:

High-rise slabs and towers, including variations of the unite d'habitation, plan and section typologies

Week 9 Monday 10/19:

Low-rise housing patterns including clustered housing, The rowhouse, terraced housing, courtyard housing, and the urban villa

Week 10 Monday 10/26:

Dwelling Typologies: the flat, the *immeubles villas*, maisonette or duplex. Comparative analysis of multi-residential building.

Week 11 Monday 11/2:

Building Type Studies: Low-rise housing patterns including clustered housing,

Week 12 Monday 11/9:

The rowhouse, terraced housing, courtyard housing, and the urban villa

Week 13 Monday 11/16:

The influence of building codes on the planning and construction on housing

Statement on Academic Conduct and Support Systems

Academic Conduct:

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Part B, Section 11, “Behavior Violating University Standards” policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct>

Support Systems:

USC Student Health is available through the single phone number **213-740-9355 (WELL)**—including all services 24/7.

<https://studenthealth.usc.edu/>

Counseling and Mental Health Services, a division of the *Department of Psychiatry and Behavioral Sciences, Keck School of Medicine of USC*

Medical Services, with providers on clinical faculty of the *Departments of Family Medicine, Obstetrics and Gynecology, Dermatology, Orthopaedic Surgery, Keck School of Medicine of USC; and professional affiliations with the USC Chan Division of Occupational Science and Occupational Therapy, the USC School of Pharmacy, and the Division of Physical Therapy and Biokinesiology.*

Relationship and Sexual Violence Prevention and Services, with counselors who are clinical faculty of the *Department of Psychiatry and Behavioral Sciences, Keck School of Medicine of USC*
A nurse (for medical concerns) or licensed counselor (for mental health concerns) is available 24 hours a day, even when the student health centers are closed and during university closures.

Students in crisis may walk-in for urgent mental health services at the health centers (Engemann Student Health Center on UPC or Eric Cohen Student Health Center at HSC) during operational hours without an appointment; this may include urgent matters involving a death in the family, suicide concern, crime/sexual assault survivor counseling, or other high-risk matters.

Urgent “sick” appointments for medical care are available “same-day” for students needing care during operational hours.

The evening operators of the 24/7 phone service line can connect to USC Student Health services when an urgent matter presents itself.

Sexual assault survivors requiring transportation to a SART center can ask RSVP to call a Lyft ride (an “on-call” staff advocates program to accompany survivors is currently staffing operations and will be activated this fall).

MySHR (the student health record portal) shows all available regular appointment times; many appointments can be made within 24-48 hours.

Campus incident post-ventions are regularly provided by Counseling and Mental Health Services on campus for students; departments are encouraged to contact us to learn more or to make arrangements.

National Suicide Prevention Lifeline – 1 (800) 273-8255

www.suicidepreventionlifeline.org

Provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.

Office of Equity and Diversity (OED) | Title IX - (213) 740-5086

equity.usc.edu, titleix.usc.edu

Information about how to get help or help a survivor of harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants. The university prohibits discrimination or harassment based on the following protected characteristics: race, color, national origin, ancestry, religion, sex, gender, gender identity, gender expression, sexual orientation, age, physical disability, medical condition, mental disability, marital status, pregnancy, veteran status, genetic information, and any other characteristic which may be specified in applicable laws and governmental regulations.

Bias Assessment Response and Support - (213) 821-8298

<https://campussupport.usc.edu/trojans-care-4-trojans/>

Avenue to report incidents of bias, hate crimes, and microaggressions for appropriate investigation and response.

The Office of Disability Services and Programs - (213) 740-0776

dsp.usc.edu

Support and accommodations for students with disabilities. Services include assistance in providing readers/notetakers/interpreters, special accommodations for test taking needs, assistance with architectural barriers, assistive technology, and support for individual needs.

USC Campus Support & Intervention - (213) 821-4710

<https://campussupport.usc.edu/>

Assists students, faculty, and staff in navigating complex issues.

Diversity at USC - (213) 740-2101

diversity.usc.edu

Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

USC Emergency - UPC: (213) 740-4321– 24/7 on call

dps.usc.edu, emergency.usc.edu

Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.

USC Department of Public Safety - UPC: (213) 740-6000 - 24/7 on call

dps.usc.edu

Non-emergency assistance or information.

Office of the Ombuds - (213) 821-9556 (UPC) / (323-442-0382 (HSC)

ombuds.usc.edu

A safe and confidential place to share your USC-related issues with a University Ombuds who will work with you to explore options or paths to manage your concern.