

ARCH 4395/5395

Housing Prototypes:1920s to Present

Section 001 MWF 7-9:50 PM
Room ARCH 329

OFFERED

Spring 2017

INSTRUCTOR

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FORMAT

Lecture 3 Hours

PREREQUISITES

Graduate and Fourth Year Standing

COURSE DESCRIPTION:

An extensive investigation of the many states of housing that architects and educators have encountered in the last 100 years. The course is organized through introduction, research, analysis, and case study of various housing typologies, unit design principles, density concerns, site, relationship of inside and outside, zoning and building codes, and new emerging housing building types. Most importantly, the course will be presented based on the importance of the reassessment of some of the most important housing projects of the past century at a time when housing needs dire attention of academia and architects globally, nationally, and locally. The course will examine the work of Bruno Taut, Rob Krier, Maria Botta, Frank Lloyd Wright, Rudolph Schindler, Aldo Rossi, John Hejduk, Peter Eisenman, Mies van der Rohe, Jorn Utzon, J.J.P Oud, Andre Lucrat, Kenzo Tange and Urtec, Neave Brown, Auguste Perret, Jean Ginsburg, Le Corbusier, Sir Peter Cook, O.M. Ungers, W. van Tijen, Lingeri and Terragni, Michiel Brinkman, Carlo Aymonino, Aldo van Eyck, Herman Hertzberger, Johannes Duiker, Alvar Aalto, Ginzburg and Milinis, Kunio Maekawa, Zanstra/Giesen/Sijmons, J.F.Staal, Duiker and Wiebenga, Van den Broek and Bakema, Sert/Jackson/Gourey, Raymond Abraham, Hans Kollhoff, Vittorio Gregotti, Alberto Kalach, Javier Sanches, Werner Seligman, Frank Gehry, and many others...

STUDENT LEARNING OUTCOMES:

Students are expected to develop an:

- Awareness of the many and complex factors involved in the design of various housing types.
- Understanding of the theoretical, traditional, symbolic, practical, constructional, and technical considerations of various housing types and their application.
- Ability to analyze and design appropriate housing projects based on the emphasis and issues addressed in this course.

BIBLIOGRAPHY:

- Schneider, Friederike. Floor Plan Manual Housing. Basel, Boston, Berlin: Brikhauser, 1994. Print
- Tully, Peggy. Modern American Housing. New York: Princeton Architectural Press, 2013. Print
- Sherwood, Roger. Modern Housing Prototype. Cambridge/ London: Harvard University Press, 1978. Print
- Krier, Rob. Urban Space. New York: Rizzoli, 1979. Print
- Van Rossem, Vincent. Civil Art: Urban Spaces as Architectural task. NAI Publishers, 1996. Print

- Kleihues, Josef and Klotz, Heinrich. International Building Exhibition. Berlin 1987. New York: Rizzoli, 1986. Print
- Firley, Eric and Stahl, Caroline. The Urban Housing Handbook. West Sussex: Wiley, 2009. Print
- Krier, Rob, Urban Projects 1968 – 1982, IAUS 5. New York: Rizzoli, 1982. Print
- Ungers, O.M. Architecture as Theme, New York: Rizzoli, 1982. Print

Reading Assignment: See attached

COURSE SCHEDULE

Week one (1.23):

Introduction and course overview; zoning, density, codes and regulations, urban block + housing building types, unit types, access types, construction types.

Assignment one.

Week two (1.30): Detached and Semidetached Housing

Patio Villa, Rem Koolhaas - Suntop Homes, Frank Lloyd Wright - El Pueblo Ribera Court, R. M. Schinler - Daal En Berg Duplex, Jan Wils - Group of Court Houses, Mies van der Rohe - Kingo Houses, Jorn Utzon - Housing on the Lindenufer, Rob Krier - Double House, MVRDV + Several local examples.

Assignment two.

Week three(2.6): Rowhousing

Weissenhof Exhibition, Mies van der Rohe - Weissenhof Exhibition, J.J.P. Oud - Vienna Werkbund, Exposition Andre Lurcat - Ichinomiya, Kenzo Tange and Urtec - Siedlung Halen, Atelier 5 - Fleet Road Terrace Housing, Neave Brown - Bath, John Wood

Assignment one due

Week four (2.13):Party-Wall Housing

25 is Rue Franklin Apartments, Auguste Perret - Avenue de Versailles Apartments, Jean Ginsburg - Porte Molitor Apartments, Le Corbusier - Casa Rustici, Pietro Lingeri and Giuseppe Terragni - Parklaan Apartments, W. van Tijen

4a. Urban Infill Housing

Chek Point Charlie, Peter Eisenman - Switch Building, NYC - Hancock Lofts, West Hollywood - Mezzo, Phoenix - Glisan, Portland - Glenmore Gardens, Brooklyn - The George, Phoenix - Gardner 1050, West Hollywood - Formosa 1140, West Hollywood - The Schermerhorn, Brooklyn

Assignment two due

Week five(2.20):Perimeter Block Housing

Karl Marx-hof, Karl Ehn - Immeuble Villas, Le Corbusier - Spangen Quarter, Michiel Brinkman - Nirwana Apartments, Johannes Duiker - Hansaviertel Apartments, Alva Aalto

5a. Courtyard + Space-Defining Housing

Berlin housing, Aldo Rossi - Berlin Housing, O.M Ungers - Berlin Housing, Rob Krier - Berlin Housing, John Hejduk

Assignment three due

Week six(2.27): Slabs

Immeuble Clarte, Le Corbusier - Narkomfin Apartments, Moses Gizburg and Milinis –
Unite d'Habitation, Le Corbusier - Harmuni Apartment House, kunio Maekawa
Durand Apartment Project, Le Corbusier - Zomerdijkstraat Atelier Apartments, Zanstra, Giesen, and Sijmons

Assignment four due

Week seven(3.6):

Guest speaker: Mark Wolf, AIA

Emerging housing building types in the DFW metropolitan area

Assignment five due

Week eight (3.13) – Spring Break

Week nine (3.20): Adaptive Reuse

The Porter House, NYC – 497 Greenwich Street, NYC – Queen of Greene Street, NYC – The Piazza at Schmidt's, Philadelphia – One New York, NYC – Leavitt Residence, Chicago – Fin Lofts, Wichita (Kansas) – 346 Congress Street, Boston – The Bank, Syracuse (NY), Atrium House, Brooklyn

Assignment six due

Week Ten (3.27):Towers

Highline 23, Neil denari – Aqua Tower, Chicago – Twisted Torso, Malmo (Sweden), 8 Spruce Street (NYC), Frank Gehry - Victorieplein Tower, J. F. Stall - Hoogbouw Towers, Johannes Duiker and J. G. Wiebenga - Price Tower, Frank Lloyd Wright - Neue Vahr Apartments, Alvar Aalto - Hansaviertel Tower, J. H. van den Broek and J. B. Bakewma - Peabody Terrace, sert, Jackson, and Gourley, 56 Leonard Street, NYC – 550 Street Clair, Chicago – Reforma 27, Alberto Kalach – Culver House, Chicago – High Line 519, Chicago – Jack London Tower, Oakland

Assignment seven due

Week Eleven (4.3): Urban Villa (free-standing) Housing

Rob Krier, Berlin – Hans Koolhoff, Berlin, Aldo Rossi, Berlin - and others

Assignment eight due

Week twelve (4.10): Terrace Housing

Moshe Safdie, Montreal – Neave Brown, London – Patrick Hodgkinson, London – and others

Assignment nine due

Week Thirteen (4.17): High-Density Low Rise Housing

Herrenschwaden, Atelier 5 – Karlsruhe Matt Housing, Reinhard Gieselmann –Evora, Alvaro Siza – Darbourne and Darke, London Housing – Gordon Benson, London – Niederwangen, Atelier 5 – Fukuoka, Rem Koolhaas – Vogelbach, Michael Alder – and others

Assignment ten due

Week fourteen (4.24): Work on publication

May 1 (last day of classes) ... Publication of "X Housing Types" due.

Attendance:

Attendance is required for all scheduled class meetings for the full class period. You are expected to be on time. **Students will lose 1 of a letter grade for each class session missing. After the second absence, the student may receive a grade of "F" at the discretion of the instructor.** Individual exceptions will be considered if notified in advance.

Use of aerosol materials, paints, and other hazardous chemicals:

Due to health and safety regulations and University policy, no spray paints, adhesives and other hazardous aerosol products are allowed in the building. Furthermore, no painting or use of flammable or other hazardous chemicals is allowed anywhere in the building, including and especially the fire stairs. Use of such chemicals is a hazard to your health and safety and that of other building occupants. It is also against the law. Spray painting and similar activities are only permissible in the approved ventilated spray booths in the School Shop.

Evaluation Process:

Grades will be determined at the end of the major assignment. Determination of the student's final grade in the course will be based on the average of the major assignment grades, adjusted (up or down) by the student's daily progress, initiative, attitude, improvement, and potential. Each grade will be evaluated on a 4-point scale. Final publication (collective effort) counts for %20 of the final grade.

Course evaluation:

Weekly case studies (total of 10)	50% of total grade
Weekly public presentations	20% of total grade
Final publication of prototype booklet	20% of total grade
Faculty discretion	10% Of total grade

Grade A - Superior (4 +/- points)

Exceptional performance strongly exceeding requirements of assignments; initiative proving independent resourcefulness; strong positive attitude toward the work; growing level of improvement.

Grade B - Good, Above Average (3 +/- points)

Adequate performance above the norm, accurate and complete, beyond requirements of assignments; good initiative when stimulated by some desirable achievement; positive improvement showing marks of progress.

Grade C - Average (2 +/- points)

Mediocre or conservative performance, satisfying all requirements of the assignment with an indifferent and unnoticeable level of initiative, attitude, and improvement.

Grade D - Below Average (1 +/- points)

Inadequate performance not satisfying the requirements of the assignment with an indifferent and unnoticeable level of initiative, attitude, and improvement.

Grade F - Failing (0 +/- points)

Ineffective performance not satisfying the requirements of assignments to an extreme degree. Level of initiative, attitude, and improvement non-existent.

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

Drop Date: No later than 4PM, **March 31, 2017**

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Academic Integrity: Students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Student Support Services Available: The University of Texas at Arlington has established a variety of programs to help students meet the challenges of college life. Support to students includes advising, counseling, mentoring, tutoring, supplemental instruction, and writing assistance. For a complete list of academic support services, visit the Academic Assistance resource page of the Office of Student Success Programs, www.uta.edu/uac/studentsuccess/academic-assistance. To help students address personal, academic and career concerns, individual counseling is also available. For more information, students are encouraged to contact Counseling Services www.counseling.uta.edu at (817) 272-3671 or visit a counselor in 216 Davis Hall.

Electronic Communication Policy: The University of Texas at Arlington has adopted the University "MavMail" address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. ***Students are responsible for checking their MavMail regularly.*** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington.

Student Feedback Survey: At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Final Review Week: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the*

class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures: Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, [which is located \[insert a description of the nearest exit/emergency exit\]](#). When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

Campus Carry: Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>