

3 July - 14 July 2023

Sustainable Housing from a European Perspective

Faculty of Architecture and the Built Environment // Delft University of Technology // Delft // The Netherlands



Housing is of key importance for societies. It drives the economy and is a key issue for sustainable urban and regional development in growing as well as declining areas.

The energy crisis and energy transition have a huge impact on human behavior relating to energy, housing, and the built environment.

This course focuses on sustainable housing development and deals with environmental as well as economic and social sustainability. How do housing markets work and how do governments intervene? How can the affordability, quality, and energy efficiency of the housing stock be improved?

The course will give insight into the European perspective on the development of sustainable housing stock, and speeding up energy transition goals, by presenting European and national goals, policies, regulations, assessment tools, process innovations, behavioural, institutional and management approaches. It will shed light on emerging economies and institutions in a similar context.

PROGRAM

Program week 1: 3 July - 7 July 2023

Registration and walk in: 3 July: 8.15 - 9.00

	Lectures 09.00 - 10.15		Lectures 10.45 - 12.00		Workshop / field trip 13.00 - 16.00
July 3, 2023	The changing role of housing in societies <i>Prof. Marja Elsinga</i> Housing Institutions & Governance	Coffee break	European and Dutch policies and regulations for energy efficient policies <i>Prof. Henk Visscher</i> Housing Quality	Lunch break	Tender Game-Field visit (by coach) Rotterdam 13:00-17:00 <i>Leader: Dr. Ad Straub</i> <i>Dr. Queena Qian and prof. Henk Visscher</i>
July 4, 2023	Sustainability & Construction Management <i>Prof. Hans Wamelink</i> Design and Construction Management		Circular and Sustainable Approaches to Industrialized Housing <i>Dr. Daniel M. Hall</i> Design and Construction Management		<div>13:00 - 14:15</div> Accelerating Energy Renovations <i>PhD. Ragy Elgendy</i> Real Estate Management <div>14:30 - 16:00</div> <i>Game 1 - Group project</i> Sustainable Transformation Tender Game (STTG) <i>Prof. L. Itard, Dr. A. Straub, Dr. J. Heintz, Dr. Q. Qian and Dr. E. Mlechnik</i>
July 5, 2023	Energy efficiency in housing <i>Dr. Erwin Mlechnik</i> Housing Management		The Dutch Social Housing Model: Past, present and future <i>Dr. Joris Hoekstra</i> Housing Systems		Field trip (by bike) Prêt-à-Loger house + Poptahof, Delft <i>Leader: Dr. Ad Straub</i>
July 6, 2023	Sustainable neighborhood rehabilitation in Europe Prof. Ellen van Bueren Urban Development Management		Game 2 - introduction of rules Go 2 Zero Game Prof. Ellen van Bueren Urban Development Management		Game 2 - practice Go 2 Zero Game Prof. Ellen van Bueren Urban Development Management
July 7, 2023	What is the New Urban Agenda and how can it help us deliver fair sustainable and inclusive cities? <i>Dr. Roberto Rocco</i> Spatial Planning and Strategy		Collaborative and sustainable housing approaches in Europe <i>Dr. Darinka Czischke</i> Housing and Social Sustainability		Workshop B Affordable Housing Approaches <i>Dr. Marietta Haffner</i> Housing in a Changing Society <i>Dr. ing. Gerard van Bortel</i> Housing Management

18:00 - 21:00
SHEP2023
Pizza night



Program week 2: 10 July - 14 July 2023

Registration and walk in: 10 July: 8.15 - 9.00

	Lectures 09.00 - 10.15	Coffee break	Lectures 10.45 - 12.00	Lunch break	Workshop / field trip 13.00 - 17.00	
July 10, 2023	Housing economics and market dynamics in Europe Prof. Peter Boelhouwer Housing Systems		Transaction costs & insights on energy renovation willingness of homeowners - Dutch experience Dr. <i>Queena Qian</i> Housing Quality		STTG Group Project Supervisions Prof. Marja Elsinga, Prof. Henk Visscher, Prof. Laure Itard, Dr. Ad Straub, Dr. John Heintz, Dr. Queena Qian and Dr. Erwin Mlecnik	
July 11, 2023	Assessing sustainability Prof. <i>Laure Itard</i> Housing Quality		Sustainable architectural design management Dr. <i>John Heintz</i> Design and Construction Management		Field trip (by bus) ICDuBo, Rotterdam 13:00-17:00	
July 12, 2023	Sustainable housing for carbon-neutral cities Prof. <i>Andy van den Dobbelsteen</i> Climate Design & Sustainability		STTG Wrap up & preparation for final presentation Prof. Marja Elsinga, Prof. Henk Visscher, Prof. Laure Itard, Dr. Ad Straub, Dr. John Heintz, Dr. Queena Qian and Dr. Erwin Mlecnik		<div><div><u>13:00 - 14:00</u> STTG Wrap up & preparation for final presentation</div><div><u>14:00 - 17:00</u> STTG Evaluation Group presentation</div></div> Prof. Marja Elsinga, Prof. Henk Visscher, Prof. Laure Itard, Dr. Ad Straub, Dr. John Heintz, Dr. Queena Qian and Dr. Erwin Mlecnik	
July 13, 2023	Fieldtrip Urban Redevelopment (by coach? & walk tour) <i>Leader: Dr. Kees Dol</i> Prof. Henk Visscher, Dr. Queena Qian					
July 14, 2023	Final evaluation I 09:00-10:30 Participants research pitch presentations from impression of taucht program	Coffee	Final evaluation I 10:45-12.00 Participants research pitch presentations from impression of taucht program	Lunch	Final evaluation II Certificates and awards Arrangement with HKU-students on their assignments	





Dr. Hans Wamelink



Dr. Marja Elsinga



Dr. Ellen van Bueren



Dr. Henk Visscher



Dr. Peter Boelhouwer



Dr. Laure Itard



Dr. Marietta Haffner



Dr. ing. Gerard van Bortel



Dr. John Heintz



Dr. Joris Hoekstra



Dr. Darinka Czischke



Dr. Andy van den Dobbelaar



Dr. Erwin Mlecnik



Dr. Queena Qian



Dr. Daniel M. Hall



Dr. Ad Straub



Dr. Roberto Rocco



Ph.D. Ragy Elgendy

PARTICIPATION

We invite Bachelor students in their final year, Master students, PhDs and professionals with background knowledge and research interests on sustainable housing and the built environment.

There are limited places available

The summer program is designed to suit for the expectations of the participants for attending a two weeks program. The registration fee is 1500 Euro. The full attendance to the programme is the prerequisite for receiving the certificate of participation.

The summer school aims to attract international participants in the field of sustainable housing and the built environment. Previous summer schools have successfully attracted worldwide participants. A quick geographical overview of participants' profile: Hong Kong, China, Taiwan, South Korea, Japan, India, Brazil, Mexico, Italy, United Kingdom, Germany, Spain, Sweden, Greece, Turkey, Estonia, Slovenia, South Africa, Nigeria, Russian Federation, Australia, United States of America.

VENUE

Location: Faculty of Architecture and the Built Environment. Delft University of Technology, Delft, the Netherlands. Lectures may also take place outside the Faculty of Architecture on other locations on Delft University of Technology.

APPLICATION - DEADLINE EXTENDED!

Your application should include a convincing motivation letter, a short CV (2 pages maximum) and a summary of research interests (1 page maximum). **Please submit your application by 15 June 2023 to PhD. Diletta Ricci** (d.ricci@tudelft.nl), MBE, Faculty of Architecture and the Built Environment. Due to the limited place available, the selection will be given priority to the eligible applicants who make the earlier submission. After approval of the application, please register within 10 working days to guarantee your place at the Summer School.

MORE INFORMATION

- For submitting your application and registration: PhD. Diletta Ricci (d.ricci@tudelft.nl).
- For other practical questions: PhD. Chi Jin (C.Jin-1@tudelft.nl).
- For further questions regarding the content of the program, please contact Dr. Queena Qian, coordinator of the summer program (K.Qian@tudelft.nl).

More info: www.bk.tudelft.nl/summerschools