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.

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 in the European perspective on the development of a sustainable housing stock by presenting European and national goals, policies, regulations, assessment tools, process innovations and management approaches.
## Program Week 1: 22 June - 26 June 2020

### Registration and Walk-in: 22 June: 8.15 - 9.00

<table>
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<tr>
<th>Date</th>
<th>Lectures 9:00 - 10:15</th>
<th>Lectures 10.45 - 12.00</th>
<th>Workshop / Field Trip 13.00 - 16.00</th>
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| June 22, 2020 | The changing role of housing in societies  
Prof. Marja Elsinga  
Housing Institutions & Governance | European and Dutch policies and regulations for energy efficient policies  
Prof. Henk Visscher  
Housing Quality | Tender Game - Field visit (by coach)  
Rotterdam  
13:00 - 17:00  
Leader: Dr. Ad Straub  
Dr. Queena Qian and prof. Henk Visscher |}
| June 23, 2020 | Sustainable housing for carbon-neutral cities  
Prof. Andy van den Dobbelsteen  
Climate Design & Sustainability | Sustainability & Construction Management  
Prof. Hans Wamelink  
Design and Construction Management | Game 1 - Group project  
Sustainable Transformation Tender Game (STTG)  
Prof. Laure Ilard, Dr. Ad Straub, Dr. John Heintz, Dr. Queena Qian and Dr. Erwin Mlecnik |}
| June 24, 2020 | Assessing sustainability  
Prof. Laure Ilard  
Housing Quality | Sustainable architectural design management  
Dr. John Heintz  
Design and Construction Management | Game 1 - Group project  
Sustainable Transformation Tender Game (STTG)  
Prof. Laure Ilard, Dr. Ad Straub, Dr. John Heintz, Dr. Queena Qian and Dr. Erwin Mlecnik |}
| June 25, 2020 | Energy efficiency in housing  
Dr. Erwin Mlecnik  
Housing Management | What is the New Urban Agenda and how can it help us deliver fair sustainable and inclusive cities?  
Dr. Roberto Rocco  
Spatial Planning and Strategy | Workshop A  
Energy Performance Certification and Market Value  
Dr. Philip Koppels  
Real Estate Management |}
| June 26, 2020 | Transaction costs & insights on energy renovation willingness of homeowners - Dutch experience  
Dr. Queena Qian  
Housing Quality | The Dutch Social Housing Model: Past, present and future  
Dr. Joris Hoekstra  
Housing Systems | Field trip (by bike)  
Prêt-à-Loger house + Poptahof, Delft  
13:00 - 17:00  
Leader: Dr. Ad Straub |
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<tr>
<td>09.00 - 10.15</td>
<td><strong>Housing economics and market dynamics in Europe</strong></td>
<td><strong>Collaborative and sustainable housing</strong></td>
<td><strong>Workshop B</strong></td>
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<td>Prof. Peter Boelhouwer Housing Systems</td>
<td>approaches in Europe</td>
<td>Affordable Housing Approaches</td>
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<td>10.45 - 12.00</td>
<td><strong>Collaborative and sustainable housing approaches in Europe</strong></td>
<td>Dr. Darinka Czischke Housing Management</td>
<td>Dr. Marietta Haffner Housing in a Changing Society</td>
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<td>Game 2 - introduction of rules Go 2 Zero Game</td>
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<td>Dr. ing. Gerard van Bortel Housing Management</td>
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<td>13.00 - 16.00</td>
<td><strong>Sustainable neighborhood rehabilitation in Europe</strong></td>
<td>Prof. Ellen van Bueren Urban Development Management</td>
<td>Game 2 - practice Go 2 Zero Game</td>
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<td><strong>Sustainable Transformation Tender Game (STTG)</strong></td>
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<td><strong>STTG Evaluation</strong></td>
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<td>Wrap up &amp; preparation for final presentation</td>
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<td>Group presentation</td>
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<td>Prof. Laure Itard, Dr. Ad Straub, Dr. John Heintz, Dr. Queena Qian and Dr. Erwin Mlecnik</td>
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<td><strong>Fieldtrip Urban Redevelopment (by coach? &amp; walk tour)</strong></td>
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<td><strong>Final evaluation I</strong></td>
<td><strong>Final evaluation II</strong></td>
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<td>09.00-10.30</td>
<td>10.45-12.00</td>
<td><strong>Certificates and awards</strong></td>
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<td>Participants research pitch presentations from impression of taught program</td>
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<td>Arrangement with HKU-students on their assignments</td>
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PARTICIPATION

We invite Bachelor students, Master Students and PhD students in their final year 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 the expectations of the participants for attending a two weeks program. The registration fee is 1400 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.

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 23 March 2020 to Geeta Bhoewar (mbe-bk@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: Geeta Bhoewar (mbe-bk@tudelft.nl).
- For other practical questions: Christel Swarttouw-Hofmeijer: c.h.w.swarttouw-hofmeijer@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

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.