

lund school of architecture

spring
exhibition
2016



Welcome to Lund School of Architecture spring exhibition 2016

It is with great pleasure we take this opportunity to present selected works of spring 2016. All years, from first to fifth, exhibit their projects in drawings, models and installations. The range of projects is, as usual, wide: from the design of wood houses to Norway's dramatic fjord landscape and the extreme environments of the Philippines.

Lund School of Architecture offers three educational programmes: the five-year programme in Architecture (A), the two-year international Master's programme in Architecture (MARK), and the two-year international Master's programme in Sustainable Urban Design (SUDES). Each semester, the school also hosts around 40 exchange students participating in advanced level courses.

I would like to express my warmest thanks to all students, teachers and other staff who have made this exhibition possible. I would also like to direct a very special thanks to the exhibition coordinators, Fanny Jiseborn and Lovisa Roegind.

We wish you all an exciting time at the School of Architecture.

Christer Malmström
Head of School, Professor

Opening wednesday 25th of may 18.00 A-huset

the exhibition is open
weekdays 26th - 31st of may
8.00-18.00

For more information:
arkitektskolansvarustallning@lth.lu.se
046 – 222 09 01
Sölvegatan 24, Lund
www.arch.lth.se

Opening program

- Inauguration by LTH's Dean Viktor Öwall
- Awarding of scholarship in memory of Sara Birnbaum
- Awarding of students' teaching prize
- Refreshments and snacks



1. Atelier Q, X, Y & Z
2. Architectural Design Process and Prototypes
3. Architecture - In the Contemporary
4. Architecture - In Time and Space
5. Architecture - In Context
6. Competition "Kaderes Farmers Development Center, Tanzania"
7. Spatial Experiments II
8. Advanced Architectural Design II
9. Modernistic Architecture - Renewal
10. Urban Shelter
11. New Urban Landscape
12. Climate Smart Architecture and Urban Design
13. The Creative Tools of Architecture
14. Interior Architecture and Furniture Design
15. Thesis projects in Architecture + Sustainable urban design

The Ateliers Q, X, Y & Z

Studio directors

Andreea Marcu (Q)
Nina Falk Aronsen (X)
Jesús Mateo (Y)
Monika Jonson (Z)

Assisting teachers

Liina Pikk & Lina Byberg (Q)
Hans Ahrlund (X)
Karin Lindström (Y)
Kim Öhrström (Z)

Course Leaders "The Wood course"

Marcus Andäng and Eeva Ovaska

Guest Tutors "The Wood course"

Tomas Gustavsson
and Per Qvarnström.

Welcome to the Ateliers!

As a student of architecture in Lund you belong to a studio during the first two years. Students of year 1 and 2 study together in one of our four studios: Atelier Q, X, Y and Z. This not only gives the newcomers valuable guidance in how to approach the learning process in the vast and amazing field of architecture, but it also allows the second-year-students to see their own development and practice the achievements from their previous year.

The majority of the time spent in the studio is focused around project work. Through various design assignments and workshops the students get the opportunity to integrate both academic and artistic skills in their creative design process. Our key objective is to explore and understand how to design and create space with architectural qualities for people. From artefacts and furniture to buildings and cities for a sustainable society.

For the very first time all the Atelier Q, X, Y and Z-students of year 1 and 2 have taken part of our big Wood Project.

The Wood Course 2016

The Wood Course 2016 included two assignments: The Story Telling Tree + New Construction For Sleeping Outdoors.

During four weeks the relationship between space, construction and material is being explored. The New Construction For Sleeping Outdoors is a study in detail by making 1:10 scale models. This approach to the design process gives us a deeper understanding of how the properties of a specific material - in this case wood - affects the overall design and the architectonic expression. We also learn how to use wood by engaging our senses to define a specific architectural experience; for strength and softness, scent, sound, warmth and tactile qualities.

As part of the high ambitions The Story Telling Tree included an optional competition and introduction to a full scale construction on site of the winning entry. The end of this story is yet to be seen.

The project has been realized in close collaboration with the foundation Skånska Landskap and with support from Svenskt Trä.

Students:

Atelier Q

1st year:

Julia Berg, Evelina Björndal, Johanna Chieng, Moa Eklund, Nicholas Hartman, Janaka Jansson, Ella Kadefors, Oskar Kylmä, Albin Niemelä, Annika Pålsson, Maria Tuvelius, Hanna Wernersson, Denise Ünveren, Fredrik Zanichelli.

2nd year:

Drenusha Blakcori, Viktor Borg, Pontus Dahlgren, Catrin Frid, Frans Herklint, Hampus Jonason Bjärnestam, Tilda Karlsson, Astri Konradsson, Daniel Nolkranz, Linnea Pettersson, Vera Swahn, Elin Westin.

Atelier X

1st year:

Fredrik Bengtsson, Siri Boekhout, Bruno Capelan Köhler, Lovisa Eriksson, Linnea Olsson, Tora Pederby, Emelie Roos, Martin Sagrén, Erik Selma, Thea Tillberg, Ludvig Wallmon.

2nd year:

Susanne Bengtsson, Hanna Bramsfors, Clara Emilsson, Eva Eriksson, Elias Grip, Alexia Han, Anna- Maria Hilmersson, Anton Johansson, Astrid Keding, Daniel Rosengren, Nellie Salgård, HugoTersman, Johan Torarp, Hanna Unell.

Atelier Y

1st year:

Carl Brattberg, Olga Fürst Värild, Linnea Fällman, Tove Hellerström, Fatme Hodroy, Martin Håkansson, Isak Jannert, Ossian Karlsson, Matilda Katsler, Arvin Nadimi, Rasmus Paulson, Emma Radler, Jim Sjöholm, Astrid Skånbeck.

2nd year:

Caroline Alm, Mats Andersson, Linn Boekhout, Gabriel Cankalp, Emilia Fehniger, Alice Franzon, Ellen Fällström, Erik Hildorsson, Johannes Håkansson, Amanda Kaplan, Maria Kempe, Ellen Lycke, Amanda Möller, Rickard Ramberg, Adam Richter

Atelier Z

1st year:

Linnea Almgren, Arthur Campling, Vida Halleröd, Ellinore Hansson, Viktor Högborg, Nora Rennéus, Calle Sandberg, Steffi Starck, Clas Sundberg, Ludvig Sundberg, Linda Wiberg, Annika Wikman, Lisa Yngve.

2nd year:

Emma Arnberg, Tobias Brandt, Julia Eliasson, Amanda Forser, Magnus Gabrielsson, Linus Hedrén, Hampus Larsson, Tom Lundin, Fabian Martinsson, August Nordqvist, Rasmus Rosenblad, Sigrid Thunberg.

Architectural Design Process and Prototypes

Professor

Lars-Henrik Ståhl

Course coordinators

Marcus Andäng
Eeva Ovaska

Exhibition coordinator

Helene Sveningsson

Teachers

Johan Albertén, Patrik Bengtsson,
Peter Bengtsson, Claes Dorthé,
David Eriksson, Peder Karlsson,
Marit Lindberg, Andreea Marcu,
Akane Moriyama.

Architects contribute in the making of cities, spaces and places. They design buildings, rooms and items, but in spite of the wide spectrum of work, it is often at an early stage that architects leave their drawings to other operators to carry on. This studio gives the second year architecture students an opportunity to develop an idea from the first sketches to a prototype made by themselves in the workshops, during a period of five weeks.

Other professions are invited to inspire the students with a different approach, a process that they are not familiar with, to cast light on the creativity of a design process - it can start anywhere. This year's starting point was a workshop where students, inspired by a rebel chosen by each individual student, were to create items in cardboard together with the brothers Peter and Patrik Bengtsson, both working differently within the field of arts.

From this starting point students created a furniture prototype inspired by their choice of rebel. Later on students worked further with the theme together with artist Marit Lindberg and Peter Bengtsson through the media of film.

It is a quality of the creative process that ideas arise from trans-boundaries. The intention is to inspire, impel and permeate the work from the first sketch to the final proposal.

Enjoy the results of different interpretations inspired by rebels throughout history!

Students

Caroline Alm, Mats Andersson, Emma Arnberg, Doenusha Blakcori,
Linn Boekhout, Viktor Borg, Hanna Bramford, Gabriel Cankalp,
Pontus Dahlgren, Julia Eliasson, Clara Emilsson, Eva Ericsson,
Emilia Fehniger, Amanda Forser, Catrin Frid, Ellen Fällström, Elias Grip,
Linus Hedrén, Erik Hildorsson, Anna-Maria Hilmersson, Sophie Hjertquist,
Johannes Håkansson, Anton Johansson, Hampus Jonasson Bjärenstam,
Amanda Kaplan, Tilda Karlsson, Astrid Keding, Maria Kempe, Anton Köhler,
Hampus Larsson, Tom Lundin, Ellen Lycke, Fabian Martinsson,
Amanda Möller, Daniel Nolkranz, August Nordqvist, Linnea Pettersson,
Rickard Ramberg, Adam Richer, Rasmus Rosenblad, Daniel Rosengren,
Neillie Salgård, Astri Sundström Konradsson, Vera Swahn, Hugo Tersman,
Sigrid Thunberg, Johan Torarp, Hanna Unell, Elin Westin.

Architecture - In the Contemporary

Studio director

John Ross

Assisting teachers

Gediminas Kirdeikis, Tomas Ramstrand.

AAHF30, Architecture - In the contemporary experiments with digital design processes aimed at developing novel spatial and structural typologies through the use of surface modelling, simulation and digital fabrication.

The studio engages in design processes driven by digital methods and examines critically how these methods are evaluated in practice and theory. Special focus is also devoted to contemporary architectural discourse, through research and readings, which examines these digital design processes.

The design task of a crematorium – the dominant element – is situated in the landscape context of Limhamns kalkbrott. The project work interrogates architectural conventions and encourages experimental approaches to architectural solutions.

Students

Hanna Andersson, Linnea Axberg Algotsson, Axel Bahri, Kristoffer Benne,
György Angelkott Bocz, Elias Brulin, Sanna Carlsson, Kristina Ehrling,
Martin Ellmark, Julia Christina Eneroth, Philip Lindh, Malka Logo,
Martin Lorenz, Anna Olofsson, Felicia Olofsson, Alexander Rundlöf,
Clara Sandell, Julia Sandgren, Moa Svensson, Emil Söderlund,
Anders Thorén.

Architecture - In Time and Space - Varvsstaden Renewal

Combining new layers with old.

Studio director
Göran Hellborg

Examinor
Christer Malmström

Assisting teachers
Tomas Tägil, Alex van de Beld, Anna Wahlöö

Architecture and space takes time. The project, Varvsstaden, examines changes in space over time. Places, buildings and spaces are created, used and abandoned. They represent a heritage, an ideal, an era or a lot of different eras.

Recycling, changing, transformation for new purposes is important for a society to progress and become more socially, economically and environmentally sustainable. The project raises questions of how to find new approaches, strategies, to intertwining and anchoring the new with the old, time with space, sometimes in interaction sometimes with confrontation. The project investigates spatialities and adds the contemporary - future through architectural generators, starting points towards an exciting renewal of a central area of Malmö, where labor, culture and dwelling can develop over time.

Students

Johanna Bengtsson Salomonsson, Hung Bui, Karl Båth, Christina Gherman, Malin Heikenberg, Tor Krag, Tomas Lazar, My Lundström, Julia Persson, Theodor Runerheim, Johan Stertman, Simon Sundin, Sophia Sundqvist, Jakob Vermelin.

Architecture - In Context

Studio directors
Christer Malmström (Teacher and examiner)
Bernt Nilsson
Maria Isabel Rasmussen (Teacher and coordinator)

Extern critics
Elin Algotsson (OpenStudio Arkitekter)
Mats White (Jais Arkitekter),
Pontus Åqvist (OpenStudio Arkitekter),

Assisting teachers
Eric Bjerkborn, Karin Lindström and Kim Denise Öhrström.

In the city of Helsingborg, a magnificent landscape element called Landborgen runs parallel to the coastline from north to south for about 300 meters long. The course Architecture in the Context explores this vast landscape-forming element in the city and its potential role of being an urban development factor.

The main concern of the course was to find architectural solutions that enhanced public spaces in a situation where the topography is both an opportunity and a challenge. The course expected the students to work in a concrete building with a range of 500-2000 m²; her alternatives were considered. The students formulate themselves the architectonic program with the help of assistant teachers.

The course assumed an increasingly importance of generic issues in architectural field, and reflected on how forgotten physical situations can be re-introduced in the city. References to this situation are The High Line in New York or the Shipyard area in Malmö, where previous limitations were seen as assets and opportunities rather than limitations.

The course gave insight into a working method in which a great complexity is managed by an understanding of the underlying story / process; - What has generated the project and how the relation to the project was argue, in other words, the *raison d'être*.

Students
Simon Andén, Maria Bjuhr, Clara Blasius, Maria Border,
Simon Bring, Oskar Dagerskog, Elias Friberg, Sara Gråhed,
Kajsa Henriksson, Jonathan Kerpner, Jenny Låhdet, Erika Muscat,
Josefine Nilsson, Sofie Odby, Felix Ruder, Erik Stigland, Axel Stolt,
Sara Sundestrand von Weissenberg, Axel Svenstam, Viktor Tamm,
Josefina Vega Ezpeleta, Adam Warrol, Daniel Zahedpour Anarak,
My Zetterquist Helger and Thomas Åström.

Competition "Kaderes Farmers Development Center, Tanzania"

A collaboration between Engineers Without Borders, Karagwe Development and Relief Service (Tanzania) and LTH Students.

Teachers

Experts from Sydark Konstruera, Tyréns, Fojab, Structor and Tengboms.

In the northwest corner of Tanzania, bordering Uganda, Rwanda and lake Victoria you find the region of Karagwe. A large majority of the population in Karagwe are self-providing small scale farmers. Their plot of land provide enough produce for a stable life.

Karagwe development and relief service, short Kaderes, is a local NGO working with the farmers to break the bonds of poverty by creating means of self-funding investments. One key factor in creating opportunity for development is agricultural education. Kaderes is educating the farmers on ways to improve the quality and yield of the crops they produce. Through education the farmers have a chance of increased income and as such the chance of self-funding the future of their family!

Engineers without borders are joined in the effort of Kaderes, to build a farmers development center in Karagwe. A few weeks each year, lead community farmers will gather at the center to be educated and to build ideas together, for Karagwe. Engineers without borders are providing the architectural- and engineering plans for a farmers development center. Students at Lund University have joined up with Sydark Konstruera, Tyréns, Fojab, Structor and Tengboms to create the plans. Under the guidance of these experts the students have created four different suggestions for Kaderes to choose from. The winning team will travel to Tanzania for the project startup, summer 2017.

Students

Team 1: Calle Kvanta, Stefani Mazdin, Jakob Wermelin, Erik Winqvist.
Team 2: Jenny Henriksson, Bob Olausson, Johan Stertman, Erik Stigland.
Team 3: Alexander Rundlöf, Henning Stenbäck, Axel Stolt, Petter Streijffert.
Team 4: Arthur Campling, Josefin Havnevik Giske, Ludvig Jansson, Lisa Yngwe.

Spatial Experiments II

Teachers

David Andreen, Susanne Gosztanyi and Lars-Henrik Ståhl.

Workshop contributor

Marcel Bilow

Spatial Experiments II is a studio that explores the intersection of architecture, digital technologies and science (particularly biology). We pursue a new digital vernacular, where architecture once again gets its form and identity from the local, but from an expanded, extended definition of local ranging from microcontext and -climate, to network cultures and ruptured identity topologies.

We explore how to create architecture which exploits digital design and fabrication to create performative envelopes, capable of harnessing ambient energy to reduce reliance on heating and air conditioning.

We seek to use complex but ordered form to create responsive and adaptive buildings, and to drive new architectural, cultural and aesthetic conversations.

The studio project addresses living in extreme conditions, in this case desert or near-desert conditions in Morocco, on the boundary of Sahara.

Students

Johan Andersson, Raphael Andreolli, My Brandt, Sigen Chen, Ying Gong, Stephanie Gotis Graham (Univertisy of Sydney), Tilde Haremst, Lottie Hedlund, Johannes Hultman, Lucas Koleits (University of Melbourne), Emanuel Mettmann, Andreas Mitsiou, Polina Moroz, Sigita Pociute, Arthur Rodrigues (Federal University of Paraná), Henrik Rosenqvist, Yoris Sykovas, Jacob Turner (University of Western Australia), Ana Tvifunovska (Univertisy of Sydney), Matthew Wilson, Agne Zenkeviciute.

Nyhamnen development - Public cultural building

Studio director

Christer Malmström

Assisting teachers

Göran Hellborg, Andrea Marcu, Jesús Mateo, Bernt Nilsson, Alex van de Beld.

The Master studio of Advanced Architectural Design is focusing the understanding of how the architectural design mixture potential can contribute to the development of society and how different architectural typologies can enrich and activate the urban space.

By elaborating a design for a public cultural building the intention is that this very act will evoke questions concerning issues related to what we intend by "public" as well as what we intend by "cultural". We have a primary interest in understanding if categories as "public" and "private" is in need of new definitions and approaches. In this sense the course can be considered as part of a preparation leading to more detailed research within the field.

The students were primarily asked to define a "public cultural" building in terms of program and architecture in Nyhamnen Malmö.

Students

Reem Al Awar, Karl Allemyr, Eric Bjerkborn, Nick Boewing, Lasse Buhl, Veronica Camuncoli, Paula Cárdenas Noboa, Lee Dihl, Simon Elander Hinnerud, Freja Elvin Nowak, Encina Fernandez, Sebastian Geidemark, Karin Ingemarsson, Monika Jachimowska, Ferdia Kenny, Kyle Mahoney, Karolina Mieszczanek, Inci Lize Ogun, Laura Olivier, Karolina Julia Pajnowska, Dominika Petru, Piotr Pietras, Sabrina Schulze, Tove Stehn, Charlotte Svensson, Marta Swiecicka, Jemaya Amber Thompson, Jaime Tilleria Durango, Zelfka Ulemek.

The Silo - an Industrial Heritage at Risk

preservation through revitalizations, additions & transformations

Studio directors

Thomas Hellquist and Ingela Pålsson Skarin

Assisting teachers

Frans Liljedahl, Laine Montelin (Tyréns construction engineer), Martin Svansjö, Sibylla Wiegert.

The aim of this project is to scrutinize how to transform an industrial heritage from the 20th century for new uses. The cases studied are silo buildings in Höör (1st project) and Malmö (2nd project).

Through sketches, construction studies, study trips, literature studies and discussions the students have developed design projects that present a future use for these buildings – may it be housing, museum, school, sport facilities or shopping.

The course includes:

- A work shop on Context, Creativity and Composition
- Project 1: Höör's Silo buildings represent unique industrial heritage and visual landmarks at risk of being demolished. How can they be saved?
 - A study trip to Milano and Turin
- Project 2: The project focus on the silo buildings in Nyhamnen. Malmö.
 - The question is how to develop sustainable transformations so as to preserve these silos, which represents a unique industrial heritage of the early modernism.
 - A theoretical week on restoration theory and assessment values
 - A construction week on construction principles and material analysis

Students

Maria Aneljung, Maria Arvidsson, Klara Bengtsson, Jiani Gao, Lisa Grubb, Martin Jakubowski, Xing Jian Shi, Vera Lindström, QuinQuin Lu, Malin Markkanen, Alexander Måsen, Johannes Nilsson, Kristina Nygård, Amanda Rossing, Amanda Paulsson, Kim Rosén, Marcus Svedlund, Zandra Skogfors, Miranda Westfelt.

Sustainable Urban Landscape

Studio directors

Louise Lövenstjerne (Course Leader, Architect)
Peter Siöström (ass. Prof., Director of SUDES)

Assisting teachers

Tobias Henriks (Teaching Assistant, Architect)
Andreas Olsson (Architect, Programme Assistant- SUDES)

During the spring term of 2016 a diverse group of students at Lund University's School of Architecture participated in the advanced course 'Sustainable Urban Landscape (ASBN16) and its complementary theory course 'Urban Landscape - Theory and Methods' (ASBN11).

The course of Sustainable Urban Landscape deals with urban design through a greater perspective –the urban landscape. During the semester the students focused on design adhering to the cultural- and landscape contexts. The aim to create a balance between the human and ecological systems. How can cities develop in relation to their landscape setting? Can that landscape become a driver for sustainable strategies, and generate new ideas for living in synergy with the natural environment?

During 2016 the studio travelled twice to the region of the Oslo fjord in order to gain an understanding of the landscape and its' history. After working in groups to form strategies for the regions' future development, the students zoomed in on the city of Moss. Studying the urban situations on site, the students formed ideas for sustainable developments around new planned infrastructure, decreasing industry, occupational changes and the fjord's ecological systems.

Students

Mayra Alves Zanin (Universidade Federal do Paraná), Marie Andin (École Spéciale d'Architecture Paris), Drifa Arnadottir (The Agricultural University of Iceland), Rion Casey (The University of Melbourne), Maëlle Ducreux (Heriot Watt University), Christina Falle (Technische Universität Graz), Atanaska Foteva (University of Edinburgh), Fredrik Furrer (The Lucerne School of Engineering & Architecture), Maria Gelats Llobe (Escola Tècnica Superior d'Arquitectura de Barcelona), Tove Heijel (Lund University), Ahmad Kanaa (Aleppo University), Márcio Moreira (State University of Santa Catarina), Elva Nano (University of Patras), Synnöve Nyman (Lund University), Jessica Perreault (Iowa State University), Hanna Rauschkolb (University of Kaiserslautern), Shenol Shahin (Istanbul Technical University), Martynas Sinkevicius (Glasgow School of Art), Malin Svensson (Lund University), Suzete Timba (High Institute Of Science And Technology Of Mozambique).

Urban Shelter – Metro Manila

Studio director

Johnny Åstrand (Course Coordinator and Examiner)

Lecturers from Housing Development & Management (HDM)

Ivette Arroyo, Erik Johansson, Laura Liuke and Maria Rasmussen.

Lecturers from the Philippines

Gerardo Martin Ramos (Member of Review Panel), Virgilio Regala Jr, Maria Faith Varona (Member of Review Panel), Alma Valenciano.

Other Guest Lecturers

Enrique Alejandro Mora Alvarado (Ecuador), Ricardo Andrés Sandoya Lara (Ecuador), Rachelle Navarro Åstrand (Sweden) (Member of Review Panel), Chenghui Wang (China).

Urban shelter development in an international perspective focusing on the conditions of the urban poor is a challenge for many. How should architects work with urban shelter design now and in the future? The task of the students in this course is to design a high density resilient housing area in Metro Manila, the Philippines, after having studied the local context for three weeks. Important issues include population density, urban segregation, affordability, resilience, public space, safety and security, gender and physical planning, climate smart design, slum-upgrading, finance for low-income housing, organized self-help housing and the role of the architect.

The course is divided into three phases:

- 1 Preliminary studies in Lund.
- 2 Field study, three weeks in Metro Manila.
- 3 Applications and design in Lund.

Field study was carried out in close cooperation with the University of the Philippines – Faculty of Architecture, the National Housing Authority, DMCI Homes, Quezon City and TAO-Pilipinas

The design exercise includes design of a residential neighborhood as group work on two alternative sites and individual design of a building. Short films have also been made as group work reflecting on environment, culture and architecture.

Students

Kajsa Almskog (Sweden), Evelina Andersson (Sweden), Jhonatan Andrés Andrade Díaz (Ecuador), Haiqi Bai (China), Belen Bello Sanchez (Spain), Lauren Boots (Netherlands), Malin Croner (Sweden), Carl Elgenstierna (Sweden), Arvid Hellström (Sweden), Emma Ingvarsson (Sweden), Tilda Kristersson (Sweden), Sofia Masrour (Sweden), Meana Gonzalez, David (Spain), Maja Melberg (Norway), Carolina Miguez (Brazil), Petter Nilsson (Sweden), Niels Pettersson (Sweden), Xin Qian (China), Heloisa Rebello (Brazil), Margaux Reynaert (France), Magno Rizzi (Brazil), Zuzanna Sak (Poland), Meike Sängner (Germany), Julien Tacca (Switzerland), Caroline Theux Lowen (Italy), Carin Thorstensson (Sweden), Gelke Winni Hermenau Monar (Ecuador/Germany).

The Creative Tools of Architecture

Studio directors

John Ross
Jesper Wallgren

Assisting teacher

Gediminas Kirdeikis

AAHN15 - Arkitekturens kreativa verktyg aims to provide students with training and knowledge of various tools in the architectural profession.

Analog and digital aids are side by side with elements focused on presentation and rhetoric.

The course is comprised of two distinct, yet interrelated, modules covering 3D digital modeling, parametric / algorithmic modeling and digital fabrication. Teaching occurs through a series of lectures and software tutorials, where students learn a variety of techniques for surface modeling, visualization, and computer-aided manufacturing.

In addition to digital fabrication, analog methods of modeling are used for assembly and further modification of physical models. Students utilize a variety of machines and power tools along with digitally-driven machine tools.

Topics

- 3D digital modeling + rendering: NURBS and polygon modeling + visualization using Rhinoceros and V-Ray.
- Parametric modeling: Parametric modeling using the graphical algorithm editor Grasshopper for Rhinoceros.
- Digital fabrication: Computer-aided manufacturing using digitally-driven additive and subtractive machine tools.

Students

Reem Al Awar, Karl Allemyr, Raphael Andreolli, Paula Cardenas, Sigren Chen, Jiani Gao, Tilde Haremst, Lottie Hedlund, Qianqian Lu, Polina Moroz, Petter Nilsson, Dominika Petru, Niels Pettersson, Kim Rosén, Xingjian Shi, Marta Swiecicka, Elaine Åhslund.

Climate Smart Architecture and Urban Design

Studio directors

Erik Johansson,
Catharina Sternudd

Assisting teachers

Henrik Davidsson, Marie-Claude Dubois, Jouri Kanters, Laura Liuke, Louise Lövenstjerne, Constantin Milea, Moohammed Yahia.

The aim of the course is to give students the possibility to explore how an adequate design of buildings and groups of buildings can minimize negative impact on the climate. It also aims at supporting students' learning on how the built environment in different climates is affected by the microclimate, vegetation, orientation etc. Moreover the aim is to highlight the impact of people's attitude and behaviour towards climate and energy issues.

The course deals with the relation between the built environment and climate issues on micro and macro level as well as their relation to energy use. Through creative assignments it highlights and explores the potential of renewable energy use such as solar heating, solar electricity and wind power. Using architectural tools, the students will also investigate how innovative and creative urban design solutions can contribute to minimized energy use for transport and prevent negative climate impact.

The students learn to use different computer programmes through exercises. The main assignment of the course consists of architectural and urban design of a new development where daylight, energy efficiency, microclimate, renewable energy as well as other sustainability aspects are considered.

Students

Johan Andersson, Jhonatan Andrade Díaz, Drífa Árnadóttir, Haiqi Bai, Fredrik Furrer, Winni, Hermenau Monar, Ahmad Kanaa, Maja Melberg, Carolina Míguez, Alexander Måsan, Elva Nano, Jessica Perreault, Sigita Pociute, Xin Qian, Hanna Rauschkolb, Heloisa Rebello, Magno Rizzi, Meike Saenger, Sabrina Schulze, Martynas Sinkevicius, Suzete Timba, Zelyka Ulemek, Laura Wätte, Agne Zenkeviciute.

Interior Architecture and Furniture Design

Teachers

Marcus Andäng, Patrik Bengtsson, Luca Frei, Anders Hellström, Marit Lindberg, Eeva Ovaska, Lars-Henrik Ståhl, Johan Suneson.

The course is a specialization within the field of interior and furniture design with practical exercises and experiments with space, light, sound and moving images.

Students

Belen Bello Sanchez (Universidad Politecnica de Madrid), Klara Bengtsson, Lasse Buhl, Vera Ceginskas Lindström, Simon Elander Hinnerud, Ying Gong, Johannes Hultman, David Meana Gonzalez (Universidad Politecnica de Madrid), Kristina Nygård, Malin Svensson, Matthew Wilson.

Thesis projects in Architecture + Sustainable urban design

Thesis projects Architecture:

Within the frame of the Degree Project in the 5-year Architectural Programme the students are encouraged to explore and develop their personal profiles in architecture with a wide span in scale and field of focus.

Karin Andersson – *BoHamnen (DwellHarbour)*

Examiner / Supervisor: Catharina Sternudd / Louise Lövenstierna

Wiktor Bergh – *Land sharing architecture*

Examiner / Supervisor: Lars-Henrik Ståhl / Christer Malmström

Alexander Carlén – *Pir (Pire)*

Examiner / Supervisor: Christer Malmström / Tomas Tägil

Elin Johansson – *Staden på taken (The City on the Roofs)*

Examiner / Supervisor: Christer Malmström / Louise Lövenstierna

Anahita Nahoomi – *Trollhättan bath and spa*

Examiner / Supervisor: Christer Malmström / John Ross

Jakob och Philip Sjöberg – *New "Gamla Viken"*

Examiner / Supervisor: Christer Malmström / Jan Jakobsson

Coordinator architecture - Ingegärd Johansson

Thesis projects SUDes:

The master thesis in Sustainable Urban Design programme focuses on the physical environment in various scales from detailed design of urban architecture and places to strategies for urban development in the regional scale. The overall objective of the thesis is to investigate how to achieve quality in the urban environment together with long-term sustainability.

Richard Almenius - *The Growing City*

Examiner / Supervisor: Peter Siöström / Louise Lövenstierna

Ellen Carquist - *Activating The Rift*

Examiner / Supervisor: Peter Siöström / Niels De Bruin

Teres Nilsson - *Living In Vattenriket*

Examiner / Supervisor: Peter Siöström / Louise Lövenstierna

Ina Tumpele - *Together*

Examiner / Supervisor: Peter Siöström / Louise Lövenstierna

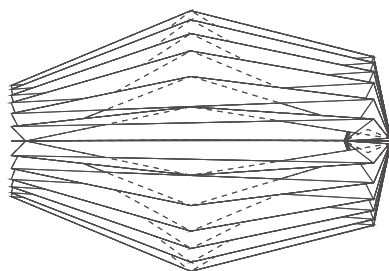
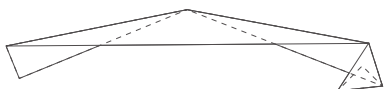
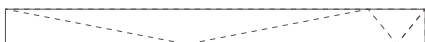
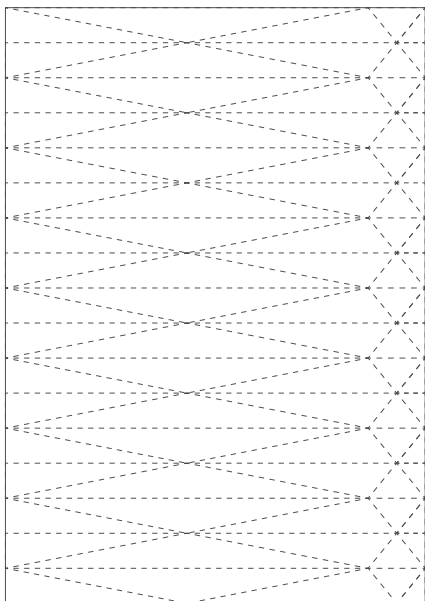
Inta Vaska - *Reclaiming Brownfields*

Examiner / Supervisor: Peter Siöström / Martin Arfalk

Liam Williamsz- *Rejoining The Peninsula*

Examiner / Supervisor: Peter Siöström / Martin Arfalk

Coordinator SUDes - Andreas Olsson



Thank you for visiting
our spring exhibition.

Graphic design & Exhibition coordinators
Lovisa Roegind & Fanny Jiseborn

