

INTERNATIONAL MASTER PROGRAMME



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SUDes
SustainableUrbanDesign



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The Technical Faculty at Lund University in Lund provides excellent resources for studying diverse aspects of sustainability and design. The Department of Architecture and Built Environment has a well established reputation for developing humanistic values in modern designs by promoting liveability, inclusiveness and social sustainability.

Design projects as well as theoretical courses in the masters programme are carried out in close collaboration with a number of faculties, private actors and public institutions such as Landscape Architecture at SLU Alnarp, Malmö City Planning Office, Faculty of Engineering at LTH and the Ax:son Johnson Institute for Sustainable Urban Design at Lund University. Lund also has the huge advantage of being located in the dynamic Öresund region, a global leader in balancing urban economic growth and environmental conservation. A clean environment is a top priority in Denmark and Sweden alike, and both countries are recognised around the world for their strong environmental stand.

Peter Siöström
ass. Professor Director of SUDes

OVERVIEW



The Masters degree programme in Sustainable Urban Design aims at producing highly skilled and creative professionals capable of making the world's growing cities into healthy, attractive and sustainable places. The two-year studio-based course of study equips students to manifest their social, economic and environmental intentions into spatial design. Drawing on best practices and advanced research into in urban form, urban quality, and sustainability, students design new neighbourhoods for decaying urban districts as well as improved structures

for regional landscapes. Study trips to interesting urban design developments in Europe provide opportunities for students to learn from both historic precedents and the newest practices.

Students develop analytical and critical skills, as well as their use of relevant representational and communicative techniques. They are also introduced to tools and policies for successful implementation of urban design. The Ax:son Johnson Institute for Sustainable Urban Design at Lund University augment the course of study by inviting internationally recogni-

sed visiting professors and lecturers from around the world to take part in symposia, workshops and critiques. Graduate students are expected to go on to professional careers in private architectural studios or city planning offices, applying their knowledge and skills in practical expert tasks related to sustainable urban design.

Lund University unites long-standing traditions with a modern, dynamic and highly international profile. With eight faculties, and a number of research centres and specialised institutes, Lund University is the biggest provider of research and higher education in Sweden. It was founded in 1666 and is one of the oldest universities in northern Europe. At present, nearly 38,000 undergraduate and 2,300 postgraduate students are enrolled at Lund University. Lund is located in southern Sweden, right next door to Denmark. The Danish-Swedish Øresund Region is one of Europe's most dynamic areas. In Lund, 'abroad' is close by: a trip by train or car to the largest Scandinavian city, Copenhagen, takes only 40 minutes over the Øresund Bridge, while Malmö, the third largest city in Sweden, is only a 15-minute train ride away.

Lund is well known for its dynamic student life, and traditional student societies, organising activities to suit every taste. The dominance of the student population, and the wide range of students' associations and organisations enrich the cultural climate of both the University and the city. Lund University does not charge tuition fees. Students are only responsible for their own living expenses, books, materials and miscellaneous cost.



EDUCATION

The master programme in Sustainable Urban Design deals with difficult situations in complex environments. As this is an advanced level programme, studies requires a high level of independent work, where students take responsibility for their own learning process. It is important for students to keep an open and lively discussion about their work with teaching staff as well as with fellow students. The core element of the master programme in SUDes is the design studio where the students will carry out qualified urban design projects supported by



weekly sketches and workshops around various themes related to sustainable urban design





Support for the design assignment is also provided by the knowledge and theoretical content included in parallel courses. The parallel courses consist of lectures and text seminars with theoretical input in various fields concerning different aspects on sustainability as well as inspirational examples of urban renewal.

The urban design projects are evaluated and discussed by an examination team comprised of internationally recognised visiting critics together with the course examiner and teaching staff.



EDUCATION

An important factor in the education is that the students get an opportunity to show and discuss their work "outside" the school. Students' projects are often publicly displayed and discussed with politicians and city planning staff in the municipalities concerned. The press is usually invited to these events.






A study trip each semester is a vital part of the education and aims to broaden the student's view on architecture and urban design and to give the group a common platform for future discussions. Trips have been made to Amsterdam to study historical and modern urban structures, and to the Edinburgh & Glasgow region where Edinburgh's Old Town and Craig's New Town are both outstanding examples of classical European urbanism. The most recent tour went to Shanghai where students studied the rapid development in China and took part in the World Urban Forum 4 in Nanjing.



CURRICULUM

Projects and Courses	International Masters Degree in Sustainable Urban Design				
	Autumn semester year 1	Spring semester year 1	Autumn semester year 2	Spring semester year 2	
	Urban Quality and Urban Form	Landscape and Garden	Urban Process	Individual Masters Degree Project	
	Sustainable Urban Recycling Theory and Methods	Sustainable Urban Landscape Theory and Methods	Sustainable Urban Dynamics Theories and Tendencies		
	Sustainable Urban Recycling Design Project	Sustainable Urban Landscape Design Project	Sustainable Urban Dynamics Design Projects		
SCHOOL of ARCHITECTURE LUND UNIVERSITY					

FIRST SEMESTER

URBAN QUALITY AND URBAN FORM (6hec)

The aim of this course is to develop the student's ability to understand, analyse and evaluate artistic aspects and means of expression related to urban design.



SUSTAINABLE URBAN RECYCLING Design (18hec)

The aim of this course is to develop the students' skills in designing strategic visions for sustainable built environments in a local perspective with reference to current international trends relating to processes of urban transformation. This is primarily achieved by the students carrying out an advanced design assignment.

SUSTAINABLE URBAN RECYCLING Theory and Methods (6hec)

The course sets out to develop the students' knowledge about the theoretical premises for sustainable urban design in urban contexts.

SECOND SEMESTER

**SUSTAINABLE URBAN LANDSCAPE
Design (18hec)**

The aim of this course is to deepen the student's knowledge and understanding for landscape components as a point of departure and object for design measures. A further objective of the course is to help the student become well familiar with planning strategies for sustainable built environments in a regional perspective.

**SUSTAINABLE URBAN LANDSCAPE
Theory and Method (6ects)**

The course sets out to develop the students' knowledge of the theoretical premises for sustainable design in rural contexts as well as in transition zones.

**LANDSCAPE ARCHITECTURE AND GARDEN
(6hec)**

The aim of the course is to develop the student's knowledge about the importance of the landscape, the urban green structure and the garden for living environments.



CURRICULUM

THIRD SEMESTER

SUSTAINABLE URBAN DYNAMICS Design (18hec)

The course sets out to develop the students' skills in analysing a selected urban area in a global perspective, that is subjected to the pressure of change and proposing a strategy for renewal in addition to demonstrating this strategy in the form of an advanced design proposal.

SUSTAINABLE URBAN DYNAMICS Process and Method (6hec)

The aim of the course is to deepen the students' knowledge about the implementation of projects fostering sustainable urban development and to enhance their ability to reflect critically about processes of urban change.

URBAN STUDIES Theories and Tendencies (6hec)

The aim of this course is to enhance the student's orientation regarding current trends in the theory and practice of urban planning.





FOURTH SEMESTER

INDIVIDUAL MASTER DEGREE PROJECT (30hec)

The individual master degree project is to be viewed as a bridge into professional practise. Individual students or small teams propose a thesis statement along with a specific hypothetical sustainable urban design project intended to demonstrate the thesis.



CONFERENCE

The department of Sustainable Urban Design hosts a annual international workshop conference on topics concerning different aspects of sustainable urban design.

The 2008 conference, titled “Making Places Beyond the Core”, brought together a number of international planning and design professionals and academics from Sweden, Denmark and the United States. The overall objective of the arrangement was to provide a forum for the exchange of ideas and knowledge on issues concerning sustainable urban design and



LAST TWO YEARS CONFERENCE SPEAKERS

JEPPE AAGAARD ANDERSEN (2007, 2008)

Landscape Architect JAAA Architects, Helsingør DK /
Sydney AUS

ELLEN DUNHAM-JONES (2007)

Prof. Georgia Institute of Technology, US

ANDRÉS DUANY (2007)

Architect, Duany Plater-Zyberk & Company architects,
Miami US

PETER ELMLUND (2007,2008)

Project Leader Urban City Project, Stockholm Swe

KJELL FORSHED (2007)

Architect Brunnberg & Forshed Arkitekter Stockholm Swe

HARRISON FRAKER (2008)

Dean, College of Environmental Design Berkeley, US

ANETTE GRÖNBAEK (2007)

Architect, Head of Copenhagen Office Schmidt Hammer
Lassen, DK

PÄR GUSTAFSSON (2008)

Prof. Landscape Architecture SLU, Alnarp Swe

DOUGLAS KELBAUGH (2008)

Dean, College of Architecture and Urban Planning,
University of Michigan US

GUNILLA KRONVALL (2007)

Architect Malmö City Planning office, Swe

JENS KVORNING (2007)

Prof. School of Architecture, Royal Academy of Fine Arts,
Copenhagen DK

CHRISTER LJUNGBERG (2007)

CEO Trivector Traffic, Lund SE

DONLYN LYNDON (2007)

Prof. Graduate School (Architecture);Eva Li Prof. Emer.
College of Environmental Design, Berkeley US

CHRISTER MALMSTRÖM (2007)

Prof. CTH Gothenburg SWE

DORTE MANDRUP (2008)

Architect, Owner and Director of Dorte Mandrup Arki-
tekter Copenhagen DK

JONNA MAJGAARD KRARUP (2008)

Leader Center for Byrumsforskning, Copenhagen DK

ELIZABETH PLATER-ZYBERK (2007)

Architect, Duany Plater-Zyberk & Company architects,
Miami US

KRISTIAN SKOVBAKKE VILLADSEN (2008)

Architect Gehl Architects, Copenhagen DK

CONFERENCE



to showcase successful built examples from around the world. The conference consisted of several lectures followed by a twenty-four-hour workshop. The 120 participating students, from four different universities, were assigned into groups led by the conference speakers. The design task focused on how to make better places at the Lund Institute of Technology (LTH) campus area. The event was sponsored by the Ax:son Johnson Institute for Sustainable Urban Design (Ax:Sud) at Lund university.

VISITING PROFESSORS

2009 - 2008



HARRISON S. FRAKER

Professor of Architecture and Urban Design Harrison Fraker, Jr., F.A.I.A., was educated as an architect and urban designer at Princeton and Cambridge Universities and is recognized as a pioneer in passive solar, daylighting and sustainable design research and teaching. He has pursued a career bridging innovative architecture and urban design education with an award-winning practice. Fraker was awarded the Distinguished Service Medal for creating a new College of Architecture and Landscape Architecture at the University of Minnesota and was appointed the founding Dean. He was granted Fellowship in the AIA College of Fellows for his distinguished career of bridging education and practice. He teaches design studio and believes in integrating pragmatic and theoretical analysis to create new knowledge about the most critical environmental design challenges facing society.

2009 - 2008 - 2007



DONLYN LYNDON

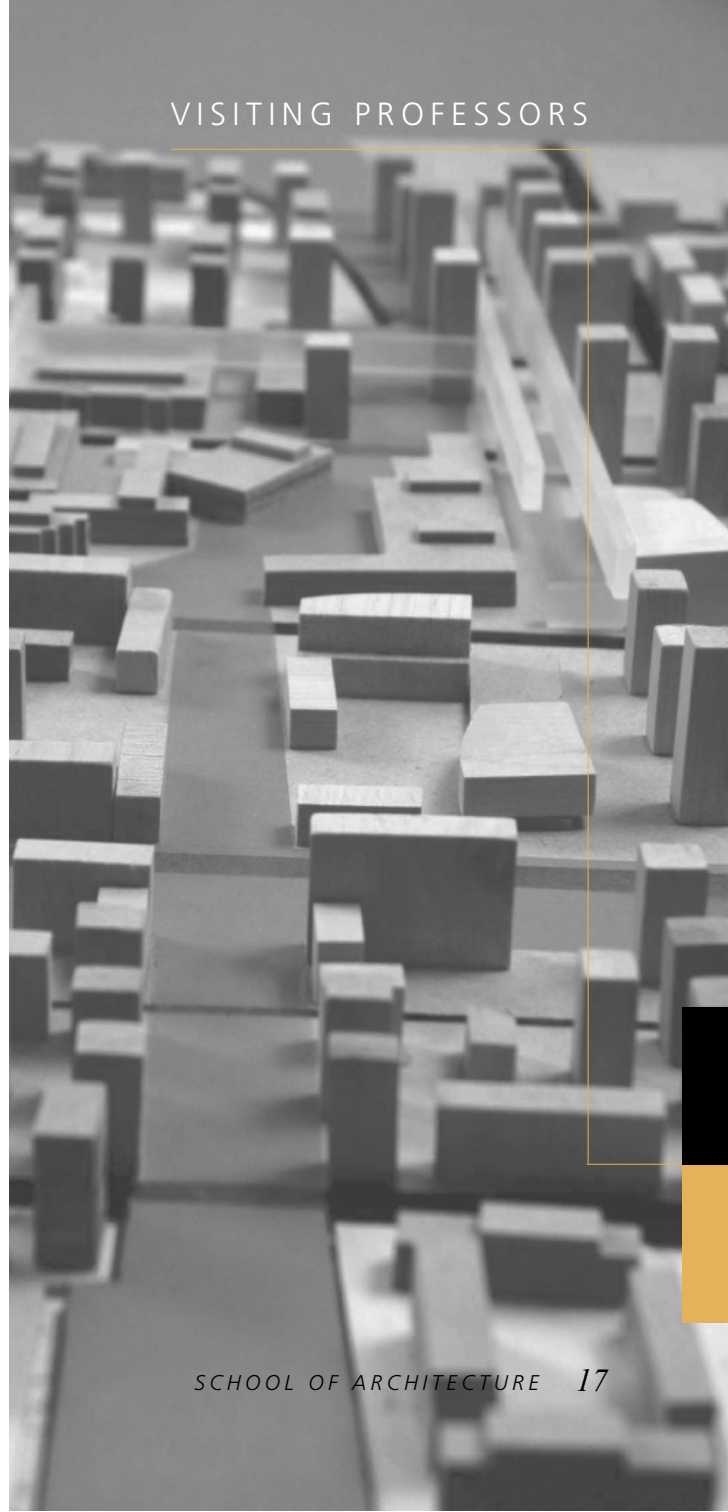
Professor of the Graduate School (Architecture); Eva Li Professor Emeritus of Architecture and Urban Design, College of Environmental Design Berkley California. Professor Lyndon's work as an architect, author and educator concerned with the design of places has been widely recognized. Within CED he is a member of the Graduate Group for the Design of Urban Places and teaches in both the Architecture and Master of Urban Design programs. His architectural and urban design practice has included a continuing series of works at the Sea Ranch CA, where, with MLTW (Moore Lyndon Turnbull Whitaker), he was one of the designers of Condominium One, (1965) which subsequently received the distinguished 25 year Award from the AIA.

2007 - 2006



ELLEN DUNHAM-JONES

Associate Professor and Director of the Architecture Program at the Georgia Institute of Technology. Dunham-Jones lectures widely and is the author of over 35 articles and several chapters in books. Her research links contemporary architectural theory and post-industrial development. An advocate for alternatives to sprawl, her current focus is on retrofitting suburbs. Before joining Georgia Tech in 2001, she worked as an architect in New York City and taught as an Assistant Professor at UVA(1986-1993) and as Associate Professor at MIT (1993-2000). Dunham-Jones was Chair of the Education Task Force of the Congress of the New Urbanism from 1998-2001, served a five-year term on NAAB accreditation visits and co-chaired the 2003 ACSA National Meeting.



GUEST LECTURER

KLAS THAM

Prof. emeritus Architecture LTH, SWE; Senior advisor Ghel Architects Copenhagen DK; Principal exhibition architect and programme co-ordinator for Bo01 Malmö, SWE. Klas Tham has 35 years of experience as an architect and urban designer in Sweden and continental Europe. He has worked together with Ralph Erskine since 1968 and has been a partner in ARKEN Architects, Stockholm, since 1981.

PÄIVI ELMKVIST

Director of the Institute for Sustainable Urban development, ISU. Core competence: sustainable transport system, Malmö SWE. Malmö Institute for Sustainable Urban Development, ISU, is a joint venture between the city of Malmö and the University of Malmö. The Institute deals with sustainability in its broad sense, which includes ecological, economical and social issues.

OLA JONSSON

Associate Professor, Director of Studies, Department of Social and Economic Geography Lund university, SWE. The Department of Social and Economic Geography is a dynamic entity of the University of Lund with a strong international reputation for both research and education in human geography.

PER FRIBERG

Prof. emeritus Landscape Architecture. Friberg (b. 1920) has been a prominent figure on the Skåne architectural scene ever since the 1950s. His listed output includes more than 700 headings, which says something of his popularity. In his best works he creates architecture of unquestionable greatness, with the grand gesture and the accentuated interplay of nature and artefact as his distinguishing characteristics.

JEPPE AAGAARD-ANDERSEN

Landscape architect, JAAA Helsingör DK; COMOS (Unesco, International Council On Monuments and Sites) member since 1996. JAAA has participated in and received awards in a large number of Danish, Scandinavian, and International competitions, most recently the office was awarded equal first place for the International Hobart Waterfront Competition, Hobart, Australia.

CHRISTER LJUNGBERG

CEO, Trivector Traffic Ab Lund, SWE. Trivector Traffic carries out consulting, research and development within the areas of traffic and transportation. The major tasks we undertake is to analyzing traffic problems with the aim of creating efficient, safe and more environmentally sustainable traffic systems.

ANNIKA KRUUSE

Ecologist project leader at Malmö Institute for Sustainable Urban Development. ISU, is a joint venture between the city of Malmö and the University of Malmö. The Institute deals with sustainability in its broad sense, which includes ecological, economical and social issues.

ERIK SKÄRBÄCK

Professor in Regional Planning at SLU, Associate professor in landscape analysis SLU, SWE. Doctor of Agronomy in "Landscape Information and Planning". Skärbäck worked for 18 years as a consultant for VBB, with city-planning, planning roads, railroads, gas- and power lines and wind-power station parks. Skärbäck served for 3 years in Berlin with city-planning and brownfield renewal.

ERIK JOHANSSON

MSc civil engineer. PhD Eng. Researcher Housing Development & Management LTH, SWE. Johansson is currently doing post doc research on urban climate and outdoor comfort. Other research fields include climatic design of buildings, environmental impact of construction activities.

KATARINA NYLUND

Associate Professor, Department of Architecture, Urban studies, LTH SWE. Nylunds research deals with questions of urbanization, urbanism and urbanity. She is currently leading two cross-disciplinary research projects. One of which examines how public spaces can create possibilities to transgress structures and practices of segregation.





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*"Places are spaces that
you can hold in the mind,
care about and make a
part of your life...
places instill the choreographies
of society."*

-- Donlyn Lyndon



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