

Sustainable Development and the Design Professions
Master's programme course 7,5 credits
Master's programme Architecture and Urban Design/MPARC
Master's programme Architecture and Planning Beyond Sustainability/MPDSD
Study period I & 2 academic year 2019/2020
Code ARK650

COURSE SCHEDULE

The course ARK650 runs on a fulltime basis during week 36-38
and on a part-time basis during the remaining part of study period 1 and 2

SCHEDULE week 36

Monday 2 September

Common introduction for all first year master's students – master's programmes Architecture and Urban Design (MPARC) and Design for Sustainable Development (MPDSD) and exchange students (not part of the course, see separate programme)

Tuesday 3 September

8.30-9.30
Multisalen
Sven Hultins gata 8

Course start-up:
Introduction, aim and programme.
Schedule, seminars, course assignment, literature, course evaluation
Liane Thuvander, architect, associate professor, Chalmers School of Architecture
Ida Röstlund, architect, artistic lecturer, Chalmers School of Architecture
Anita Ollár, architect, PhD Student, Chalmers School of Architecture

9.45-10.30
Multisalen

Lecture: **Sustainable Development and Beyond: New Challenges for Architecture and Urban Design. Strategies and Examples**
John Helmfridsson, architect, sustainability specialist, Wingårdhs, guest teacher Chalmers School of Architecture

10.45-11.45
Multisalen

Group activity in smaller groups
“What does sustainable development mean to you?”

LUNCH

13.00-13.30
Multisalen

Course start-up continuation: **About the literature/study material**
Ida Röstlund

13.45-15.15
Multisalén
Film: **The Planet** (84 min)
Charon Film AB/Sveriges Television AB 2006

15.30-17.00
Literature studies

*15.30-17.10
ACE Library
Introduction to the ACE Library (Architecture and Civil Engineering Library) in smaller groups – 20 min for each group – sign up on assigned lists*

Wednesday 4 September

8.30-9.30
Multisalén
Lecture: **Agenda 2030. The UN Sustainable Development Goals**
Anders Ekbom, deputy director, Gothenburg Centre for Sustainable Development (GMV), Chalmers University of Technology and University of Gothenburg

10.00-11.45
Multisalén
Lecture: **Sustainability. From Physical Foundations to Socio-technical Challenges**
Björn Sandén, Professor, Dept. Technology Management and Economics Chalmers University of Technology

LUNCH

13.00-14.00
SB-H1
Sven Hultins gata 6
Film: **Climate Change - The Facts** (60 min)
BBC, 2019

*14.15-15.15
HB1
Hörsalsvägen 8
Presentations of MPDSD design studios autumn term 2019
Information about MPDSD courses/design studios
spring term 2020*

*15.30-17.00
HB1
Hörsalsvägen 8
Presentations of MPARC design studios autumn term 2019
Information about MPARC courses/design studios
spring term 2020*

Thursday 5 September

8.30-11.15
HB4
Hörsalsvägen 12
Lecture: **The Great Transformation of our Time**
Hans Abrahamsson, associate professor, School of Global Studies, University of Gothenburg

LUNCH

13.00-14.15
SB-H1
Film: **Ancient Futures. Learnings from Ladakh** (60 min)
International Society for Ecology and Culture 1993

14.30-17.00
Literature studies

Friday 6 September

8.30-10.45 Multisalen	<u>Lecture: Social Design and Transition to a Post-growth, Low-impact Society</u> <i>Pernilla Hagbert</i> , architect, PhD, postdoc researcher, Urban and Regional Studies, KTH – Royal Institute of Technology
11.00-11.45 Multisalen	<u>Group Discussion:</u> <i>Instructions will be given at the session</i>
	LUNCH
13.00-17.00	<u>Literature studies</u>

SCHEDULE week 37

Monday 9 September

8.00-10.00	<u>Literature studies</u>
10.00-11.45 Palmstedtsalen	<u>Lecture: Design Sustainable! From theory to practice</u> <i>Holger Wallbaum</i> , professor in Sustainable Building, Chalmers Architecture and Civil Engineering
	LUNCH
Room SB-H328 Staircase A	<i>12.00-13.00 Meeting with appointed course representatives concerning course evaluation</i>
13.15-14.15 SB-H1	<u>Lecture: Circular Sustainability</u> <i>Lasse Lind</i> , architect, Head of Consulting, GXN, guest teacher at Chalmers School of Architecture
14.30-15.30 SB-H1	<u>Lecture: Digital Tools for Building Resilience</u> <i>Morten Norman Lund</i> , architect, parametric designer, GXN
15.45-17.00 SB-H1	<u>Film: Sand Wars</u> (70 min) 2013 A film by Denis Delestrac, produced by Rappi Productions

Tuesday 10 September

8.00-13.45	<u>Literature studies</u>
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13.45-14.45 Multisalén	<u>Lecture: Challenges and Opportunities for Sustainable Renovation</u> <i>Paula Femenias</i> , architect, associate professor, Chalmers Architecture and Civil Engineering
15.00-16.00 Multisalén	<u>Card game – Climate Call</u> , <i>play card game in smaller groups</i> <i>Erik Sterner</i> , PhD, Post doc, dept. of Space, Earth and Environment, Chalmers University of Technology
16.15-17.00 Multisalén	<u>Lecture: Methods and Tools for Sustainable Design</u> <i>Liane Thuvander</i>

Wednesday 11 September

9.00-10.15 SB-H1	<u>Lecture: Biomimicry: Nature-inspired Sustainability in Built Environments</u> <i>Anna Maria Orru</i> , architect, PhD, senior lecture, University of Arts, Crafts and Design, Stockholm
10.45-11.45 SB-H1	<u>Lecture: Organoleptic Interfaces: the Poethics of Food and Embodied Spatial Encounters</u> <i>Anna Maria Orru</i> , architect, PhD, senior lecture, University of Arts, Crafts and Design, Stockholm
	LUNCH
13.15-16.00 rooms according to separate paper	<u>Seminar 1</u> in groups according to separate paper <i>Topic: Sustainable Development – challenges, perspectives and potentials</i>

Thursday 12 September

8.00-9.30	<u>Literature studies</u>
9.30-11.30 SB-H1	<u>Lecture: Architecture and the old/new social metabolism</u> <i>Erik Berg</i> , architect, Inobi Architecture
	LUNCH
13.15-17.00 SB-H1	<u>Lecture: Introduction to Social-Ecological Urbanism</u> <i>Lars Marcus</i> , architect, professor in Urban Design, Chalmers Architecture and Civil Engineering
	<u>Lecture: Ecosystem Services and Resilience</u> <i>Åsa Gren</i> , researcher, The Beijer Institute of Ecological Economics, The Royal Swedish Academy of Science

Lecture: Urban Form, Social Sustainability and Ecosystem Services
Anna Kaczorowska, architect, PHD, researcher in Urban Design and Planning, Chalmers Architecture and Civil Engineering

Friday 13 September

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| 8.30-9.15
Multisalen | <u>Lecture: Reclaiming the role of the architect: reflections and experiences within spatial agency, critical pedagogy and social responsibility</u>
<i>Emilio Da Cruz Brandao</i> , architect, artistic teacher Chalmers Architecture and Civil Engineering |
| 9.15-9.30
Multisalen | <u>Film: Why I am an Architect that Designs for Social Impact, not Buildings</u> – TEDx Talk with Liz Ogbu, architect, urbanist and social change agent |
| 9.45-10.30
Multisalen | <u>Lecture: Exploring Sustainability Through Practice – HSB Living Lab and other projects</u>
<i>Shea Hagy</i> , Project Manager, Chalmers Architecture and Civil Engineering |
| 10.45-11.45
Multisalen | <u>Lecture: Solar Architecture</u>
<i>Karin Nyquist</i> , architect, EcoCycleDesign, Building Future Institute |
| | LUNCH |
| 13.00-17.00 | <u>Literature studies/individual work</u> |

SCHEDULE week 38

Monday 16 September

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| 8.00-10.15 | <u>Literature studies/individual work</u> |
| 10.15-11.45
SB-H1 | <u>Lecture: Norm-creative Design Tactics</u>
<i>Marcus Jahnke</i> , design researcher, PhD, RISE - Research Institutes of Sweden |
| | LUNCH |
| 13.00-13.45
SB-H1 | <u>Lecture: Form Follows Material</u>
<i>Ida Röstlund</i> |

- 14.00-14.45
SB-H1 **Lecture: Wood – New Possibilities**
Jonas Carlson, architect, CaseStudio, artistic senior lecturer,
Chalmers Architecture and Civil Engineering
- 15.00-16:00
SB-H1 **Lecture: Building with Straw Bales**
Lena Falkheden, architect, senior lecturer, Chalmers Architecture
and Civil Engineering
- 16.15-16.30
SB-H1 **Film: The Warmth and Wisdom of Mud Buildings**
TED2017 Talk with Anna Heringer, architect, Studio Anna Heringer,
honorary professor of the UNESCO Chair of Earthen Architecture,
Building Cultures and Sustainable Development
- 16.30-17.00
SB-H1 **Lecture: Material Revival**
Sandra Moberg, architect, Msc Architecture and Planning Beyond
Sustainability
Josefin Eliasson, architect, Msc Architecture and Planning Beyond
Sustainability
- 18.00 *Deadline for submission of question to the panel discussion*

Tuesday 17 September

- 8:30-9.45
Multisalén **Lecture: Designing for Multispecies Encounters**
Isabelle Doucet, professor in Architectural Theory and Methods,
Chalmers Architecture and Civil Engineering
- 10.00-11.45
Multisalén **Lecture: Food Security, Urban Agriculture and
Community Gardening**
Niklas Wennberg, project leader, Stadsjord/Pond
- LUNCH
- 13.00-17:00 Literature studies/individual work

Wednesday 18 September

- 8.30-9.15
SB-H1 **Lecture: Climate Adaptation by Design – strategies and examples**
Camilla Wenke, landscape architect, Ramboll Sweden AB
- 9.30-10.30
SB-H1 **Lecture: Low Carbon Gothenburg**
Jörgen Larsson, assistant professor, dept. of Space, Earth and
Environment, Chalmers University of Technology
- 10.45-12.00
SB-H1 **Lecture: Global Cities – Challenges, transformations and
local practices**
Henrietta Palmer, artistic professor, Chalmers Architecture and Civil
Engineering, deputy scientific director, Mistra Urban Futures

LUNCH

13.00-16:00

Literature studies/individual work

Thursday 19 September

8.30-10.45

rooms according to
separate paper

Seminar 2 in groups according to separate paper

Topic: Examples and approaches to sustainable planning and design

11.00-12.00

SB-H1

Lecture: Climate psychology - the knowledge about human reactions and behavior in the climate crisis

Kata Nylén, psychologist, Klimatpsykologerna,

LUNCH

13.15-16.00

SB-H1

Panel discussion: Sustainable Development and the Design Professions

Moderator: *Isabelle Doucet*, professor in Architectural Theory and Methods, Chalmers Architecture and Civil Engineering

Panel Participants:

Anna Graaf/Johanna Engberg, head of sustainability/deputy MD
Gothenburg, White Arkitekter

Jenny Nyström, architect, Kjellgren Kaminsky Arkitekter

Anna Ledin, director, Environmental Department, Gothenburg City

Staffan Bolminger, founder and consultant at Friends of Gothenburg
Innovation AB

Johan Ekman, senior spokesperson, Älvstranden Utveckling AB

Andrea Pap de Pesteny, senior Group Manager, Sustainable Business
Development at Skanska Sverige AB

Liane Thuvander, architect, associate professor at Chalmers School of
Architecture

16.15 – 17.00

lecture hall SB-H1

Information about the continuation of the course

Presentations:

Architecture Sans Frontières (ASF),

Member of the Board, ASF

Chalmers students for sustainability (CSS)

Member of the Board, CSS

Genusgruppen/The Gender Group, Chalmers School of Architecture
Students from the group

Information: **About the Film Festival**

Friday 20 September

8.30 – 17 ca
 lecture hall SB-H8

FILM FESTIVAL according to separate programme

COURSE SCHEDULE

Remaining part of study period 1 and study period 2

Week 41

Wednesday 9 October

8.30-9.15
 RunAn
 Student Union

Lecture: **Hoppet - an innovation project to build fossil free**
Anders Hall, Project leader, local administration of the
 City of Gothenburg

9.30-10.15
 RunAn
 Student Union

Lecture: **Science-based Sustainability for a Housing Developer**
– Case Riksbyggen
 Peter Selberg, research and innovation strategist, Riksbyggen &
 Johanneberg Science Park

10.30-11.45
 RunAn
 Student Union

Lecture and Information: **Examples of study visits and information**
about the course assignment
Liane and Ida

LUNCH

12.00-13.00
 room SB-H328

Course evaluation meeting with appointed representatives

13.15-16.00

Literature studies/Individual work on course assignment

Week 42

Wednesday 16 October

9-16	<u>Literature studies/Individual work on course assignment</u>
16.00-18.00	<u>Beyond Sustainability Lecture: <i>Yet to be confirmed</i></u>

Week 43

Wednesday 23 October

8.30 – 10.45 rooms according to separate paper	<u>Seminar 3</u> in groups according to separate paper <i>Topic: Sustainable Development and the Design Professions</i>
11.00-12.00 Multisalen	<u>Shorter Films:</u> What Design Can Do – Césaire Peeren. Superuse Studio, 2015, TEDx Talks Is Your City for People or Cars? Cornelia Dinca, 2016, TEDx Talks Architecture's Ripple Effect: Design for Big Impact Thomas Bryans, 2017, TEDx Talks Using Biophilic Design to Heal Body, Mind and Soul Amanda Sturgeon, 2019, TEDMED LUNCH
13:15-16	<u>Individual work on course assignment</u>

Week 46

Aha-Festival: Separate schedule 11th-14th November

Wednesday 13 November

9-16	<u>Individual work on course assignment</u>
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Week 47

Wednesday 20 November

9-16	<u>Individual work on course assignment</u>
16-18 <i>Lecture hall</i> <i>To be confirmed</i>	<u>Beyond Sustainability Lecture:</u> <i>(Titel to be confirmed)</i> <i>Tatjana Schneider, professor, TU Braunschweig</i>

Week 48

Wednesday 27 November

8.30 – 12.00 rooms according to separate paper	<u>Seminar 4: The course assignment – presentations and discussions of work in progress</u> In smaller groups according to separate paper
13-16	<u>Individual work on course assignment</u>

Week 52-Week 2 2020

Individual work on course assignment - equivalent to 3,5 self-study days

Week 3 2020

Friday 17 January	Delivery of the course assignment according to instructions in the course programme and separate PM
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