

Updated 2020-11-02

## Course handbook

LK0373: Planning Project – Large scale structures, Analysis and EIA  
2 November 2020 – 15 January 2021

Updated 2020-11-02

## Course content

Welcome to this course, which will train you in analyzing landscapes and consequences of large scale projects in the landscape! The scale you will be working with might be greater than the ones you have experienced before, which puts specific demands on analysis and logic.

We are fortunate enough to have a very large scale project taking place in the region right now – the early phases of deciding where to place the new High Speed Railway (HSR) through Skåne. The Swedish Transport Administration (Trafikverket, hereafter “TRV”) and consultancy agencies are currently working with the very same topics as we are focusing on in this course – at least some of them – and we have therefore decided to use the HSR through Skåne as our case study. TRV, involved municipalities and many more are all very interested in our work and will give input to the course and take part of the presentations.

But even so – we are very open for individual choices of topics for your individual work! The first three weeks of group work focuses on the regional landscape of Skåne and Landscape Character Assessment (LCA), the second on stakeholder perspectives on landscape values and how a railroad affects ‘their’ landscape and the third on more formal Environmental Impact Assessment (EIA), Social Impact Assessment (SIA) and Historical Landscape Character assessment (HLC) etc., related to the HSR. Then, when starting to work with your individual project, you could either focus on a more traditional course report, including an LCA, a thematic perspective on the HSR (noise, ecology, design and many more, and an EIA related to the theme of your study (examples of previous student work will be provided).

You could however also work with totally different, large scale, projects, such as wind-power farms, motorways, industrial establishments, coastal

climate protection etc. The focus could also be on different aspects of the issues treated within the course, such as LCA, EIA, compensation measures, design principles or place specific design suggestions. If working e.g. with foremost LCA related issues, it will not be necessary to involve design issues, but if working with design issues, you also need to base your suggestion on a more general evaluation of landscape characters and the overall landscape context.

The course is of relevance for most kind of practical work you might get involved in as a professional landscape architect, but especially when working in large scale planning projects where landscape analysis and evaluation of landscape related consequences, where the contextual understanding of how nature interacts with culture and best possible solutions for a more sustainable development is in focus – which is of course of growing interest and importance in today’s society, where, not at least, climate change and loss of biodiversity is of utmost importance to address. The complexity is illustrated by the case study – how to introduce technical innovation without further negatively affecting our landscapes, but rather finding synergy effects for the benefit of most stakeholders and environments involved?

Updated 2020-11-02

## General Timeline

w. 45	w. 46	w. 47	w. 48	w. 49	w. 50	w. 51	w. 52	w. 53	w. 1	w. 2
<b>Intro / Landscape assessment Group</b>	<b>High Speed Railroad (HSR) / stakeholders Group</b>	<b>Environmental &amp; Social Impact Assessment (EIA, SIA) Group</b>	Individual	Individual	Individual	Individual	<b>CHRISTMAS LEAVE</b> Individual	<b>NEW YEARS LEAVE / Quality control</b> Individual	Quality control Individual	Final presentations

Link for Zoom lectures and presentations + participating from distance when you cannot join live:

<https://slu-se.zoom.us/j/64284443689>

Updated 2020-11-02

## **Course Activities**

A standard week in this course includes lectures and introduction of group assignment in the beginning of the weeks, group work and individual work during the meantime and presentations and feedback seminars at the end of the weeks.

### **Assignments**

An overview of the assignments and how they fit together will be handed out at the course introduction. The more detailed description of the assignments will be handed one at a time during the course.

### **Lectures**

Lectures will involve many of the central topics and concepts of the course, such as LCA, ILKA, EIA, SIA etc., but there are also lectures of more inspirational value. Lectures are by definition optional and not obligatory, but 'lectures' on the first day of week 1-3 are of such importance for your work throughout the course that we have defined these as 'seminars', which are obligatory.

### **Presentations/Feedback seminars**

Each group presents their work on Fridays, week 1-3. During the individual work, we meet every Friday for feedback seminars. Feedback seminars are not meant to be interpreted as 'presentations'. You do not have to present a well-designed power point and the intention is not to criticize your work, but to discuss your work among fellow students and teachers in order to assist you in your further efforts. During the first feedback seminar, every student is supposed to say a few words about the theme of their work (preliminary ideas on what and how to work) and get short replies on this. Students are then obliged to discuss their individual work during at least one more feedback seminar during the course, but allowed to do this more than once. Priority will be given to students who have not yet had a discussion on their work, and you can decide yourself if you like to discuss your work early in the course or at a later occasion.

### **Literature seminars**

There will be two literature seminars during the course. Please see schedule and Canvas for further information.

### **Excursions and field studies**

There will be a one half day by bike in the nearby region between Alnarp and Lund, looking at impacts of the present widening of the railroad from two to four tracks. You will also have digital meetings with one of the three municipalities of Lund, Eslöv and Höör in smaller groups, and report your findings from these meetings to the other groups.

### **Supervision**

Supervision is always optional and there will be a mixture of supervision IRL and digital supervision, where you book time for supervision via Doodle.

Updated 2020-11-02

### **Final presentation**

During the final presentation, you will present your work (ppt – produce a specific ppt for the occasion with highlights – not the full report!) and there will be time enough for both individual critique/discussion and a general discussion at the end of the day. Teachers involved in the course and external guests will be invited to take part of the presentations and discussions.

### **Teachers:**

Anders Larsson (AL) – course leader and course examiner

Emily Wade (EW), SLU Alnarp

Stina Bodelius (SB), COWI

Linnéa Fridell (LF), SLU Alnarp

Patrik Olsson (PO), SLU Alnarp

Moa Greiff (MG), COWI

Matilda Alfengård (MA), SLU Alnarp

Anna Petersson (AP), SLU Alnarp

Christopher Klich (CK), SLU Alnarp

### **Classrooms:**

C = Compulsory!

Updated 2020-11-02

**Schedule for week 45: Intro / Landscape assessment**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 2/11</b>	9:00-09.45 ca	Presentation of teachers, study area and project	Introduction to course + group formation for assignment 1 (LA/LCA etc.). (C)	All day link: <a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	AL
	10:00-14:00	Landscape Character Assessment	Lecture (C)		Andrew Butler, SLU Ultuna
	14:15-16	ILKA + intro. assignment 1	Lecture (C)		EW, Landskapslaget
<b>Tuesday 3/11</b>	9:15-16:45	study areas, LCA	Workshop + desk top studies (C)	<a href="https://slu-se.zoom.us/j/63174732601">https://slu-se.zoom.us/j/63174732601</a> Passcode: 840531	EW, PO, Joachim Regnell
<b>Wednesday 4/11</b>	8-16	Assignment 1	Group work (+ reading)		
<b>Thursday 5/11</b>	8-16	Assignment 1	Group work, (+ reading)		
<b>Friday 6/11</b>	9:00-12	LCA & EIA	Literature seminar 1 (C)	<a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a> <a href="https://slu-se.zoom.us/j/64484623278">https://slu-se.zoom.us/j/64484623278</a>	EW LF
	13:00-15	Feedback ass. 1 (LCA)	Presentation (C)	<a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	AP, SB, EW

Updated 2020-11-02

**Schedule for week 46: High Speed Railroad (HSR) / stakeholders**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 9/11</b>	10:00-10:35	Intro + The Swedish Transport Admin. and planning processes	Lecture (C)	All day, Zoom: <a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	TRV, Emelie Ask
	10:35-10:45	Why new main lines?	Lecture (C)		TRV, Fredrik Meyer
	11:00-11.30	High speed lines and landscapes	Lecture (C)		TRV, Eva-Lisa Andersson
	11.30-12:30	Lunch			
	12:30-13.00	New main line Hässleholm - Lund	Lecture (C)		TRV, Karolina Lind
	13:10-13:30	New main line Hässleholm – Lund, the landscape within the area of investigation	Lecture (C)		TRV, Emelie Ask
	13.30	The Regional and County perspective on High speed lines in Skåne	Lecture (C)		Thomas Nilsson Region Skåne
	14.30	Why work with infrastructural planning and high speed railway? – A landscape architect ponders.			Hanna Svederberg, COWI
15.30	Intro. assignment 2.		AL		

Updated 2020-11-02

<b>Tuesday 10/11</b>	10-12	Flackarp-Arlöv, gestaltningsprogram för utbyggnad till 4-spår	Lecture	Västan	Anna Peetre
	13-16	Bike tour along tracks Alnarp-Lund	Excursion	Alnarp-Lund	AL, MA, ?
<b>Wednesday 11/11</b>	10-12	Assignment 2	Fields studies at municipalities	Links provided by the municipalities	Christian Rydén, Anton Klacka Karin Kallioniemi Magnus Månsson Thomas Oskarsson
	13-16		Group work (+ reading) + check recommended films on Youtube!		
<b>Thursday 12/11</b>	8-16	Assignment 2	Group work (+ reading) + check recommended films on Youtube!		
<b>Friday 13/11</b>	9:00-12	Feedback on ass. 2 (HSR impact on the region and identified LC, SWOT, stakeholders)	Presentation	<a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	AL, MG, MA

Lectures and information from the Swedish Transport Administration (Trafikverket), Region Skåne/AL on high speed lines and landscape planning



Updated 2020-11-02

**Schedule for week 47: Environmental & Social Impact Assessment (EIA, SIA)**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 16/11</b>	9:00	Intro. assignment 3 – impact assessment	(C)	9-12: <a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	AL
	9:15-10:15	HLC, Historical Landscape Assessment	Lecture		PO
	9:10-12	EIA, Environmental Impact Assessment	Lecture		EW
	13-15	SIA , Social Impact Assessment, accessibility in infrastructure		Canvas	MA, Sofia Haase,
<b>Tuesday 17/11</b>	10:15-12	GEO-design	Lecture	Canvas	Neil Sang
	13:00-16	Assignment 3	Group work		
<b>Wednesday 18/11</b>	9.00-12	Landscape, the bigger picture	Literature seminar 2 (C)	Articum 4, Grodden, Östan	AL, EW, AP?
		Assignment 3	Group work		
<b>Thursday 19/11</b>	8-16	Assignment 3	Group work		
<b>Friday 20/11</b>	8-12	Assignment 3	Group work	Västan	AL, MA, AP, EW
	13-15	Feedback ass. 3 (EIA, SIA) + Introduction individual assignment	Presentation		

Updated 2020-11-02

**Schedule for week 48: Individual project**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 23/11</b>	10-12	Aesthetical design within the East Link Project	Lecture (C)	XXX	SB, MG
<b>Tuesday 24/11</b>	9-12 13-15	Individual assignment Individual assignment	Supervision Supervision	Arken A + B <a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	AL, LF, AP (9-12) PO (9-14.30)
<b>Wednesday 25/11</b>		Individual assignment			
<b>Thursday 26/11</b>		Individual assignment			
<b>Friday 27/11</b>	9:00-12	Individual assignment	Feedback (study area, time table) (C)	Västan	AL, MA, EW

Updated 2020-11-02

Second phase – individual project – starts here! You will find links to doodle for booking of supervision on Canvas.

***Schedule for week 49: Individual project***

<b>Day</b>	<b>Time</b>	<b>Topic</b>	<b>Activity</b>	<b>Place</b>	<b>Teacher</b>
<b>Monday 30/11</b>	10-12	Noise & eco-passages – technical expertise from COWI at Alnarp	Discussion	<a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	Jesper, Louise & SB, COWI
	13-14	Individual assignment	Supervision	<a href="https://slu-se.zoom.us/j/64284443689">https://slu-se.zoom.us/j/64284443689</a>	SB
<b>Tuesday 1/12</b>	8-16	Individual assignment			
<b>Wednesday 2/12</b>	8-12	Individual assignment			
	13-17	SIA	SIA exercise (C)		Sofia Haase, MA, AL
<b>Thursday 3/12</b>	9-12	Individual assignment	Supervision (doodle!)		AL, MA, LF,PO, AP
<b>Friday 4/12</b>	13-15	Individual assignment	Feedback seminar (C)	Västan	AL, AP, MA

Updated 2020-11-02

**Schedule for week 50: Individual project**

Day	Time	Topic	Activity	Place	Teacher
Monday 7/12	8-16	Individual assignment			
Tuesday 8/12	9-12	Individual assignment	Supervision (doodle!)		AL, MG
	8-16	Individual assignment			
Wednesday 9/12	8-16	Individual assignment			
Thursday 10/12	9-15	Individual assignment	Supervision (doodle!)		AL, XX
Friday 11/12	9-12	Individual assignment	Feedback seminar (C)	Västan	AL, MA, COWI x1
	13-15	Individual assignment	Supervision (doodle!)		CK

Kommenterad [SB1]: SB

Updated 2020-11-02

**Schedule for week 51: Individual project**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 14/12</b>	8-16	Individual assignment			
<b>Tuesday 15/12</b>	9-12 13-16	Individual assignment	Supervision (doodle!)		COWI, MG
<b>Wednesday 16/12</b>	8-16	Individual assignment			
<b>Thursday 17/12</b>	8-16	Individual assignment			
<b>Friday 18/12</b>	9:00-12 13-16	Individual assignment Presentation	Feedback seminar (C) Possibility for int. students to present	Västan Västan	AL, AP AL, AP, EW

Kommenterad [SB2]: SB

Updated 2020-11-02

**Schedule for week 52: CHRISTMAS LEAVE**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 21/12</b>	8-12	Individual assignment			AL, MA, CK
	13-16	Individual assignment	Supervision (doodle!)		
<b>Tuesday 22/12</b>	8-16	Individual assignment			
<b>Wednesday 23/12</b>	8-16	Individual assignment			
	13:00, latest		Send report (word or pdf) to quality control (cc: anders.larsson@slu.se)		
<b>Thursday 24/12</b>			<b>Holiday</b>		
<b>Friday 25/12</b>			<b>Holiday</b>		

Updated 2020-11-02

**Schedule for week 53: *NEW YEARS LEAVE/ QUALITY CONTROLL***

<b>Day</b>	<b>Time</b>	<b>Topic</b>	<b>Activity</b>	<b>Place</b>	<b>Teacher</b>
<b>Monday 28/12</b>		Individual assignment	Work on quality control + report		
<b>Tuesday 29/12</b>		Individual assignment	Work on quality control + report		
<b>Wednesday 30/1</b>		Individual assignment	Work on quality control + report		
<b>Thursday 31/1</b>			(Holiday...)		
<b>Friday 1/1</b>			<b>Holiday</b>		

Updated 2020-11-02

**Schedule for week 1: Quality control**

Day	Time	Topic	Activity	Place	Teacher
<b>Monday 4/1</b>	<b>13:00, latest</b>	Individual assignment	<b>Replies on report</b> (cc: anders.larsson@slu.se)		
<b>Tuesday 5/1</b>	8-16	Individual assignment	Work on report		
<b>Wednesday 6/1</b>			<b>Holiday</b>		
<b>Thursday 7/1</b>	8-16	Individual assignment	Work on report and presentation		
<b>Friday 8/1</b>	<b>13.00, latest</b> 13-16	Individual assignment	<b>Delivery report</b> <b>Prepare presentation</b>		



Updated 2020-11-02

### *Schedule for week 2: Final presentations*

Day	Time	Topic	Activity	Place	Teacher
Monday 11/1	9-16	PRESENTATION Individual assignment	Presentation	Västan	AL, MA, EW, AP COWI x 1, other external guests
Tuesday 12/1			Have a well-deserved brake!		
Wednesday 13/1	8-17	Individual assignment	Finalizing publication		
Thursday 14/1	8-17	Individual assignment	Finalizing publication		
Friday 15/1	8-17	Individual assignment	Finalizing publication		

Kommenterad [SB3]: MG