

# SCHEDULE FOR LK0412&LK0401 | *Climate Change – Landscape in Transition* | 2023

This schedule will be updated during the following weeks. Bigger changes during the course will be brought to your attention through Canvas.

Schedule is preliminary – latest revision 2023-01-15 IB

	Time	Activity	Teacher	Room	Preparations
<b>Week 3</b>					
16-Jan Monday	13.00- 16.00	Introduction to course	IB KB WJ	Articum 3	
17-Jan Tuesday	9.30-12.00	Intro to Climate Change	IB WJ	Articum 3	Holden Ch. 7
	13.00- 16.00	How we know about Climate Change (exercise)	IB WJ	Articum 3	UCAR website: history of Climate Science Research; Pick one event to highlight in discussion
18-Jan Wednesday		Reading day			
19-Jan Thursday	9.30-12.00	Global Atmosphere and Energy, Atmospheric Circulations	IB	Articum 3	Holden Ch. 6.1-6.6, 6.9, Youtube Videos
	12.30-13.30	Climate conversations with Johan Kuylenskierna		Zoom	Sign up on Monday Jan. 16 for this lunchtime SLU webinar
20-Jan Friday	9.30-12.00	Ocean Circulation and water cycle	IB	Articum 3	Ch. 3.3-3.4, 3.7-3.8, 6.7-6.8, Youtube Videos
<b>Week 4</b>					
23-Jan Monday	9.30-12.00	Global Climate Zones and Weather	IB	Articum 3	Holden Ch. 8.1, 8.2, 8.3.1, 8.7, (skim rest of Ch. 8)
24-Jan Tuesday	9.30-12.00	Global carbon cycle	IB	Articum 3	Web articles on C Cycling
	13.00-15.00	Markku Rummukainen . Q&A - Projected Future Climate, and what can we do about CC	MR IB WJ	Articum 3	Scientific article (Rummukainen 2015), Submit questions for Markku
25-Jan Wednesday	9.30- 12.00	Local Climate and Urban Heat	KB WJ	Green Innovation Park (note room)	Holden Ch. 9.1, 9.3-9.4 (optional: Holden Ch. 9.2)
26-Jan	9.30- 11.30	Review Session (Optional), and Study Day	IB WJ	Articum 3	Submit review questions beforehand

Thursday					
27-Jan Friday	9.30-12.00	EXAM #1 - Global Climate and Climate Change Science	IB WJ	Articum 3	
<b>Week 5</b>					
30-Jan Monday		Reading day			
31-Jan Tuesday	9.30-12.00	Intro to Impacts of Climate Change	KB	Articum 3	EU book Ch. 2 IMPACTS
	13.00-14.30	Case Study - Hässleholm	JD IB WJ	Articum 3	Hässleholms Tillväxverket proposal
1-Feb Wednesday	9.30-12.00	Intro to Adaptation	IB	Articum 3	EU book Ch. 3 Adaptation measures
2-Feb Thursday	9.30-12.00	Storm water management – lecture	AK	Articum 3	Qiao et al. 2018, delPietri & McPherson 2017
	14.00-16.00	Storm water management – workshop	AK	Articum 3	
3-Feb Friday	7.45-16.30	FIELD TRIP TO HÄSSLEHOLM – INTRO TO CASE STUDY, CLIMATE SMART GROWTH IN HÄSSLEHOLM CENTER	IB JD	MEET AT HÄSSLEHOLM C AT 8:20	Hässleholms Structure Plan
<b>Week 6</b>					
6-Feb Monday	9.30-12.00	Intro to mitigation	IB	Articum 3	Readings: TBD
	13.30-14.30	En-ROADS exercise – introduction	KC	Articum 3	
	14.30-16.00	En-ROADS – group work			
7-Feb Tuesday	9.30-12.00	Climate Change and Biodiversity	CH	Articum 3	Bellard et al. 2012 (p. 365-368), IPBES-IPCC 2021 (p. 14-23)
	13.00-16.00	En-ROADS – group work			
8-Feb Wednesday	9.00-14.00	En-ROADS – group work ( <b>14.00 hand in on Canvas</b> )			
	14.00-16.00	En-ROADS – preparation of discussion			
9-Feb Thursday	9.00-12.00	En-ROADS – feedback and discussion	KC IB	Articum 3	

10-Feb Friday	9.30-12.00	Adaptation to urban heat stress	KB	Articum 3	Lindberg et al. 2016
<b>Week 7</b>					
13-Feb Monday	9.30-12.00	Climate Change Adaptation Project – Flood Modeling - Intro	AH SW	Articum 3	Readings: TBD
	13.00-16.00	Climate Change Adaptation Project – Flood Modeling - Exercises	AH SW	Stallet & Akvariet	
14-Feb Tuesday	9.00-16.00	Climate Change Adaptation Project – Flood Modeling – Exercises on Own	AH SW	Stallet & Akvariet	
15-Feb Wednesday		Reading Day			
16-Feb Thursday	8.00-18.00	FIELD TRIP TO VELLINGE/FALSTERBO – COASTAL EROSION AND BLUE-GREEN INFRASTRUCTURE	IB BA	MEET 8.00 AT BOBO'S HJÄRTA, SLU Alnarp	Matthieu et al (2020) Beach nourishment has complex implications for the future of sandy shores, VIDEOS
17-Feb Friday	9.30-12.00	Decision making – part 1	AW IB	Articum 3	Wallin (2008) Decision making in everyday life
<b>Week 8</b>					
20-Feb Monday	9.30-12.00	Climate Change and ethics	EP KB	Articum 3	Hayward 2012
21-Feb Tuesday	9.30-12.00	Decision making – part 2	EP KB	Articum 3	Persson 2021
22-Feb Wednesday		Reading day			
23-Feb Thursday	9.30-12.00	Decision making – part 3	KB	Articum 3	Blennow 2021
24-Feb Friday	9.30-12.00	Study day			
<b>Week 9</b>					
27-Feb Monday	9.30-12.00	Review before exam	IB	Articum 1 (NOTE room)	Submit review questions day before
28-Feb Tuesday	9:30-12.00	EXAM #2 – impacts, mitigation, adaptation, communication		Articum 3	

1-Mar Wednesday	9.00-12.00 (note time)	Tree selection in the face of climate change	GN	Articum 3	
2-Mar Thursday	9.30-12.00	Project Kick-off	IB WJ KB	Articum 3	Submit short project proposal by end of day
3-Mar Friday		Project Day – Group Work			
<b>Week 10</b>					
6-Mar Monday		Project Day – Group Work			
7-Mar Tuesday	Throughout day	Supervision/feedback on Project, and Project Day – Group Work	IB	Articum 3	Make appointment to meet with instructor today to get feedback and discuss project progress so far.
8-Mar Wednesday		Project Day – Group Work			
9-Mar Thursday		Project Day – Group Work			
10-Mar Friday		Project Day – Group Work			
<b>Week 11</b>					
13-Mar Monday		Project Day – Group Work			
14-Mar Tuesday		Project Day – Group Work			Papers due at 12:00 on 14 March
15-Mar Wednesday		Project Day –Prepare Presentation and Comments on another Group's Paper			Comments on Another Group's Paper due by 17.00 Presentation Uploaded by 17.00
16-Mar Thursday	9.30-12.00	Project Presentations (Masters students)	KB IB	Articum 3	
	13.00-16.00	Project Presentations (Masters students)	KB IB	Articum 3	
17-Mar Friday	9.30-12.00	Project Presentations (Masters students)	KB IB	Articum 3	
<b>Week 12</b>					
20-Mar Monday	9.30.12.00	Project Presentations (Bachelors students)(optional for masters students)	IB WJ	Articum 3	Final papers due at 17:00 on March 20.

21-Mar Tuesday	9.30-12.00	Wrap-up: Synthesis and Course Feedback	IB WJ	Articum 1 (note room)	
<b>Week 13</b>					
30-Mar Thursday	9.30-12.00	RE-EXAM IF NEEDED	IB WJ	TBD	

#### Rooms:

Articum 3 – Articum, SLU Alnarp ([Google Maps](#))

Articum 1 – Articum, SLU Alnarp

Stallet Computer Lab – Alnarpsgården (1<sup>st</sup> floor), SLU Alnarp

Akvariet Computer Lab – Alnarpsgården (2<sup>nd</sup> floor), SLU Alnarp

#### Course team

IB	Ishi Buffam – course leader, examiner
KB	Kristina Blennow, co-teacher
WJ	Wilma Johnte, teaching assistant

#### Guest lectures

JD	Jessica Dahl, Hässleholms kommun
CH	Christine Haaland
AK	Anders Kristoffersson
AW	Annika Wallin
EP	Erik Persson
MR	Markku Rummukainen
GN	Gustav Nässlander