

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 2023-01-10 IB

	Time	Activity	Teacher	Room	Preparations
Week 3					
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	9.30-12.30	Global Atmosphere and Energy, Atmospheric Circulations	IB	Articum 3	Holden Ch. 6.1-6.6, 6.9, Youtube Videos
20-Jan Friday	9.30-12.00	Ocean Circulation and water cycle	IB	Articum 3	Youtube Videos, Ch. 3.3-3.4, 3.7-3.8, 6.7-6.8
Week 4					
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, (MAYBE needs to be Zoom)		Articum 3/ Zoom?	Scientific article (Rummukainen 2015), Submit questions for Markku
25-Jan Wednesday	9.30- 12.00	ZOOM Review & Reading Day	IB	Zoom	Submit review questions
26-Jan Thursday	9.30- 12.00	EXAM #1 - Global Climate and Climate Change Science	IB WJ	Articum 3	
27-Jan Friday	9.30-12.00	Local Climate and Urban Heat	KB WJ	Articum 3	Holden Ch. 9.1, 9.3-9.4

Week 5					
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, Holden Ch. 26.1 - 26.4.3
	13.00-14.00	Case Study - Hässleholm	JD IB WJ	Articum 3	
	14.00-16.00	Impacts #2: The importance of cities	IB	Articum 3	Readings: TBD
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 and McPhearson 2017
	13.00-15.00	Storm water management – workshop	AK	Articum 3	
3-Feb Friday	8.00-18.00	FIELD TRIP TO HÄSSLEHOLM – INTRO TO CASE STUDY, CLIMATE SMART GROWTH IN HÄSSLEHOLM CENTER	IB JD	MEET AT HÄSSLEHOLM C AT 9.00	
Week 6					
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 (2013) Will climate change promote future invasions
	13.00-16.00	En-ROADS – group work			
8-Feb Wednesday	9.00-14.00	En-ROADS – group work (14.00 hand in on Canvas)			
	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	Vegetation and Urban Heat	IB	Articum 3	Readings: TBD
Week 7					

13-Feb Monday	9.30-12.00	Climate Change Adaptation Project – Flood Modeling - Intro	AH SW	Articum 3	
	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	9.30-12.00	Presentations – Results of CC Adaptation Project – Flood Modeling	AH SW	Articum 3	
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
17-Feb Friday	9.30-12.00	Decision making – part 1	AW IB	Articum 3	Wallin (2008) Decision making in everyday life
Week 8					
20-Feb Monday	9.30-12.00	Climate Change and ethics	EP KB	Articum 3	Scientific articles (Hayward 2012, Persson 2021)
21-Feb Tuesday	9.30-12.00	Decision making – part 2	EP KB	Articum 3	Wynes 2017
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			
Week 9					
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	Tree selection in the face of climate change	GN	Articum 3	
2-Mar	9.30-12.00	Project Kick-off	IB WJ KB	Articum 3	Submit short project proposal by end of day

Thursday					
3-Mar Friday		Project Day – Group Work			
Week 10					
6-Mar Monday		Project Day – Group Work			
7-Mar Tuesday		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			
Week 11					
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	
Week 12					
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)	
Week 13					

30-Mar Thursday	9.30-12.00	RE-EXAM POSSIBILITY	IB WJ	TBD	
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Rooms:

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

Articum 1 – Articum, SLU Alnarp

Stallet Computer Lab – Alnarpsgården (1st floor), SLU Alnarp

Akvariet Computer Lab – Alnarpsgården (2nd 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
AL	Anna Levinsson
TE	Tobias Emilsson
AW	Annika Wallin
EP	Erik Persson
MR	Markku Rummukainen
GN	Gustav Nässlander