

Scientific Methods, Tools and Thesis Writing – LB0112, 15 hp

EvE Elisabeth von Essen – course leader and examiner; elisabeth.von.essen@slu.se

JEE Jan-Eric Englund; Jan-Eric.Englund@slu.se

JA Johannes Albrektsson

GC George Carlsson

AD Annie Drottberger

KK Konstantinos Karantininis

CK Christina Lunner Kolstrup

LMM Linda-Maria Mårtensson

ÅO Åsa Ode

PS Per Sandin

CS Camilla Söderquist

This year's course is online based (via Zoom and Canvas) but may offer opportunities to participate in campus activities.

C = Compulsory Zoom meeting/lectures

EX = Exercise

AS= Assignment, part of grading

Week	Date	Day	Time	Place		Teacher	Comments	Literature
36	31 Aug	Monday	13.00- 15.00	Zoom	Introduction to the course, information about Thesis writing	EvE JEE LMM	C	Literature: Bernard (2006), ch. 3; Alvesson & Sköldberg (2009), ch.1, 1-14

Preliminary schedule 200630

Week	Date	Day	Time	Place		Teacher	Comments	Literature
	1 Sept	Tuesday			Start working with Exercise 1			
	2 Sept	Wednesday			Individual work			
	3 Sep	Thursday	13.15-15.00	Zoom	Introduction to philosophy of science	PS	C	<p>Literature: "What is science?" Start at https://undsci.berkeley.edu/article/article/0_0_0/whatis-science_01 and the following pages until page 13 Last page to read is https://undsci.berkeley.edu/article/0_0_0/whatis-science_13)</p> <p>"How science works" Start at https://undsci.berkeley.edu/article/0_0_0/how-science-works_01 and the following pages until page 21 Last page to read is https://undsci.berkeley.edu/article/0_0_0/how-science-works_21)</p>
	4 Sep	Friday	9.00-11.00	Zoom	Introduction to the library	CS (Prel)	C	
37	7 Sep	Monday	18.00	Canvas	Hand in Exercise 1 via Canvas to the course leaders		EX	

Preliminary schedule 200630

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	8 Sep	Tuesday	09.30-12.00	Zoom	Oral presentation Exercise 1	EvE	C/EX	
			13.00-15.00	Zoom	Research ethics	PS	C	Literature: Professional Ethics. (2018, 2nd of July). Retrieved from http://www.codex.vr.se/en/forskarensetik.shtml (Read the introductory page; use ensuing pages for reference).

Preliminary schedule 200630

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	9 Sep	Wednesday	10.15-12.00	Zoom	How to formulate research problems and questions in agroecology (example of an agroecology master thesis) Start working with Assignment 1	KK	C	Literature: Booth, Colomb, & Williams (2003), ch. 3
	10 Sep	Thursday	10.00-12.00	Zoom	Interdisciplinarity in Agroecology – merging natural and social science methods and Action research	CK	C	Creswell (2003), ch.1; Brydon-Miller et al. (2013); Popplewell & Hayman (2012) (Denzin & Lincoln (1994), ch. 1 & 6)
	11 Sept	Friday			Individual work with			

Preliminary schedule 200630

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38	14 Sep	Monday	10.15-12.00	Zoom	Introduction to master thesis work	GC	C	
			13.00-14.00	Zoom	Doing Research in Agroecology - approaches in natural science	GC	C	
			18.00	Canvas	Hand in Assignment 1 via Canvas to the course leaders		AS	
	15 Sep	Tuesday			Individual work			
	16 Sep	Wednesday	09.15-12.00	Zoom	Case study research	AD	C	Literature: Johansson (2003); Symon & Cassell ch. 17-19

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	17 Sep	Thursday	10.00-12.00	Zoom	Presentation and discussion of Assignment 1	EvE	C	Literature: Bernard (2006), ch. 2, 10-12
			14.00-16.00	Zoom	Qualitative methods - questionnaires, data bases, treatment of data, and introduction to Exercises 2	CK	C/AS	
	18 Sep	Friday			Individual work			
39	21 Sep	Monday			Individual work			

Preliminary schedule 200630

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	22 Sep	Tuesday	9.15-12.00	Zoom	Presentation of ongoing AEM research projects (qualitative and quantitative approaches)	AD	C	Literature: Atkinson & Hammersley (2007), ch. 2; Bernard (2006), ch.10 & 11; (Taylor (2010), ch. 6)
			13.00-15.00	Zoom	Qualitative methods – discussion of Exercise 2 (questionnaire)	CK		
	23 Sep	Wednesday			Individual work			

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Week	Date	Day	Time	Place		Teacher	Comments	Literature
	24 Sept	Thursday	09.15- 12.00	Zoom (Seminar meeting in Vegetum)	Practical exercise – field studies (quantitative) Lönnstorp	JEE/JA	C	Literature: Davies & Hughes (2014), ch. 9-10, pp 130-161
			13.15- 15.00	Zoom	Quantitative methods, applied statistics and treatment of quantitative data	JEE	C	Literature: Davies & Hughes (2014), ch. 9-10, pp 130-161
	25 Sep	Friday			Individual work			

Preliminary schedule 200630

Week	Date	Day	Time	Place		Teacher	Comments	Literature
40	28 Sept	Monday	10.15- 12.00	Zoom	Quantitative research methods, applied statistics and treatment of quantitative data	JEE/AF	C	
			13.15- 15.00	Zoom	Handling quantitative data	JEE/AF	C	
	29 Sep	Tuesday			Individual work with Assignment 2			
	30 Sep	Wednesday			Individual work with Assignment 2			
	1 Oct	Thursday			Individual work with Assignment 2			
	2 Oct	Friday	18.00	Canvas	Hand in Assignment 2 (quantitative) via Canvas	If you have questions, JEE or AF are available	C/AS	

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41	5 Oct	Monday	14.00-17.00	Zoom	Presentation and discussion of Assignment 2 (quantitative)	JEE/AF	C/AS	
	6 Oct	Tuesday	09.00-12.00	Zoom	Lecture: What is an Interview Information about Assignment 3	EvE	C/AS	Literature: Brinkman & Kvale (2015), ch. 1-2, 5-9
	7 Oct	Wednesday			Individual work with Assignments			
	8 Oct	Thursday	13.00-15.00	Zoom	Lecture: Qualitative methods – Thematic analysing and workshop	EvE	C	Literature: Braun & Clarke (2006); (Giorgi (2009); Riessman (2007))
	9 Oct	Friday			Individual work with Assignments			

Preliminary schedule 200630

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42	12 Oct	Monday			Individual work with Assignments			
	13 Oct	Tuesday			Individual work with Assignments			
	14 Oct	Wednesday			Individual work with Assignments			
	15 Oct	Thursday	18.00	Canvas	Hand in Assignment 3 (qualitative) via Canvas to the course leaders	Eve	AS	
	16 Oct	Friday	09.00-12.00	Zoom	Presentation of Assignment 3 (qualitative)	EvE	C/AS	
43	19 Oct	Monday			Individual work with Assignment 4			

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	20 Oct	Tuesday			Individual work with Assignment 4			
	21 Oct	Wednesday			Individual work with Assignment 4			
	22 Oct	Thursday			Individual work with Assignment 4			
	23 Oct	Friday	18.00	Canvas	Hand in Assignment 4 via Canvas to the course leaders		AS	
44	26 Oct	Monday			Individual work			
	27 Oct	Tuesday	09.00-15.00	Zoom	Oral presentation of Assignment 4 , opponentship and course evaluation	EvE	C/AS	
	28 Oct	Wednesday			Individual work			

Preliminary schedule 200630

Week	Date	Day	Time	Place		Teacher	Comments	Literature
	29 Oct	Thursday			Individual work			
	30 Oct	Friday			Individual work			
45	2 Nov	Monday		Canvas	Final deadline for handing in complement ary additions, if any, to the written exercises & assignments			