

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

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

GC George Carlsson

AD Annie Drottberger

AF Adam Flöhr

KK Konstantinos Karantininis

CK Christina Lunner Kolstrup

ÅO Åsa Ode

PS Per Sandin

MW Mark Wales

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	Literature
44	2/11	Tuesday	13.00-15.00	Zoom	Introduction to the course, information about Thesis writing	JH, MG	Literature: Bernard (2006), ch. 3; Alvesson & Sköldberg (2009), ch.1, 1-14
	3/11	Wednesday			Start working with Exercise 1		

Week	Date	Day	Time	Place		Teacher	Literature
	4/11	Thursday	13.15-15.00	Zoom	Introduction to philosophy of science	PS	<p>Literature: "What is science?" Start at https://undsci.berkeley.edu/article/article/0_0_0/whatissscience_01 and the following pages until page 13 Last page to read is https://undsci.berkeley.edu/article/0_0_0/whatissscience_13)</p> <p>"How science works" Start at https://undsci.berkeley.edu/article/0_0_0/howscienceworks_01 and the following pages until page 21 Last page to read is https://undsci.berkeley.edu/article/0_0_0/howscienceworks_21)</p>
	5/11	Friday	9.00-11.00	Zoom link:	Introduction to the library	ÅO	
45	8/11	Monday	18.00	Canvas	Hand in Exercise 1 in Canvas.		
	9/11	Tuesday	09.30-12.00	Zoom link:	Oral presentation Exercise 1	JH, MG	

Week	Date	Day	Time	Place		Teacher	Literature
	10/11	Wednesday	10.15-12.00	Zoom link:	How to formulate research problems and questions in agroecology (example of an agroecology master's thesis) Start working with Assignment 1	KK	Literature: Booth, Colomb, & Williams (2003), ch. 3
	11/11	Thursday	13.15-15.00	Zoom link:	Research Ethics	PS	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). The link doesn't work, but we are looking at an alternative!

Week	Date	Day	Time	Place		Teacher	Literature
	12/11	Friday	10.15-12.00	Zoom link:	Introduction to master thesis work	GC	
			13.00-14.00	Zoom link:	Doing Research in Agroecology - approaches in natural science	GC	
46	15/11	Monday	18.00		Hand in Assignment 1 in Canvas.		
	16/11	Tuesday	10.15-12.00		Interdisciplinarity in Agroecology – merging natural and social science methods and Action research	GC et al	Creswell (2003), ch.1; Brydon-Miller et al. (2013); Popplewell & Hayman (2012) (Denzin & Lincoln (1994), ch. 1 & 6)

Week	Date	Day	Time	Place		Teacher	Literature
	17/11	Wednesday	09.15-10.30	Zoom link:	Case study research	AD	Literature: Johansson (2003); Symon & Cassell ch. 17-19
			10.45-12.00		Case study research	JH	
	18/11	Thursday	10.00-12.00	Zoom link:	Questionnaires, data bases, treatment of data, and introduction to Exercise 2	CK	Literature: Bernard (2006), ch. 2, 10-12
			14.00-16.00	Zoom link:	Presentation and discussion of Assignment 1	JH, MG	
	19/11	Friday			Individual work		

Week	Date	Day	Time	Place		Teacher	Literature
47	22/11	Monday			Individual work		
	23/11	Tuesday	9.15-12.00	Zoom link:	Presentation of ongoing research projects (qualitative and quantitative approaches)	AD	Literature: Atkinson & Hammersley (2007), ch. 2; Bernard (2006), ch.10 & 11; (Taylor (2010), ch. 6)
			13.00-15.00	Zoom link:	Questionnaires – discussion of Exercise 2	CK	
	24/11	Wednesday			Individual work		
	25/11	Thursday			Individual work		
	26/11	Friday	13.15-15.00	Zoom link for the day:	Quantitative methods, applied statistics and treatment of quantitative data	JEE	Literature: Davies & Hughes (2014), ch. 9-10, pp 130-161

Week	Date	Day	Time	Place		Teacher	Literature
48	29/11	Monday	10.15-12.00	Zoom link for the day	Quantitative research methods, applied statistics and treatment of quantitative data	JEE/AF	
			13.15-15.00		Handling quantitative data	JEE/AF	
	30/11	Tuesday			Individual work with Assignment 2		
	1/12	Wednesday			Individual work with Assignment 2		
	2/12	Thursday			Individual work with Assignment 2		
	3/12	Friday	18.00	Canvas	Hand in Assignment 2 (quantitative) via Canvas	If you have questions, JEE or AF are available	

Week	Date	Day	Time	Place		Teacher	Literature
49	6/12	Monday	14.00-17.00	Zoom link:	Presentation and discussion of Assignment 2 (quantitative)	JEE/AF	
	7/12	Tuesday	09.00-12.00	Zoom	Lecture: What is an Interview Information about Assignment 3	EvE	Literature: Brinkman & Kvale (2015), ch. 1-2, 5-9
	8/12	Wednesday			Individual work with Assignments		
	9/12	Thursday	13.00-15.00	Zoom	Lecture: Qualitative methods – Thematic analysing and workshop	EvE	Literature: Braun & Clarke (2006); (Giorgi (2009); Riessman (2007))
	10/12	Friday			Individual work with Assignments		
50	13/12	Monday			Individual work with Assignments		
	14/12	Tuesday			Individual work with Assignments		

Week	Date	Day	Time	Place		Teacher	Literature
	15/12	Wednesday			Individual work with Assignments		
	16/12	Thursday	18.00	Canvas	Hand in Assignment 3 (qualitative) via Canvas to the course leaders		
	17/12	Friday	09.00-12.00	Zoom	Presentation of Assignment 3 (qualitative)		
51-1							
	7/1	Friday	18.00	Canvas	Hand in Assignment 4 via Canvas to the course leaders		
	10/1	Monday			Individual work		
	11/1	Tuesday	09.00-15.00	Zoom	Oral presentation of Assignment 4 , opponent-ship and course evaluation		
	12/1	Wednesday			Individual work		
	13/1	Thursday			Individual work		

Week	Date	Day	Time	Place		Teacher	Literature
	14/1	Friday		Canvas	Final deadline for handing in complementary additions, if any, to the written exercises & assignments		