

Course schedule

**SGR016F,**

**Sustainability Science: Foundations, concepts, methodologies, 7.5 credits, third cycle**

**Learning block 1: Knowledge, context and concepts**

<b>Dates</b>	<b>Time</b>	<b>Theme</b>	<b>Specific topic</b>	<b>Teaching staff</b>
26 Feb	13-15	<i>Course kickoff</i>	Course overview & assignments	MN
<b>SYSTEMS STUDIES OF CHANGE</b>				
27 Feb	9-12	<i>Sustainability Science</i>	An intro to the field & different scientific camps	MN
28 Feb	9-12	<i>Resilience</i>	Fundamentals for social-ecological systems	MS
29 Feb	9-12	<i>Sustainability transitions</i>	Fundamentals for social-technological systems	MN
1 March	9 -12	<i>Governance of sustainability</i>	Fundamentals for earth system governance research	BV
4 March	13-15	<i>Reflections on your scientific camp(s) I</i>	Situating your research within the scientific camps. Part I	PhD presentations
<b>SYSTEM CRITIQUES</b>				
5 March	9-12	<i>Political economy</i>	Political economy and sustainability	SK
5 March	13-15	<i>Political ecology</i>	Power, politics and sustainability research	MI

6 March	9-12	<i>Social movements for sustainability</i>	Social transformations and mobilizations for sustainability	DH
6 March	13-15	<i>Methods of critique</i>	Methods of theory building in sustainability research  Panel Discussion	MN  SV, MG
8 March	9-12	<i>Reflections on your scientific camp(s) II</i>	Situating your research within the scientific camps. Part II	PhD presentations  (creative presentation of some kind-magazine, video etc)

## Learning block 2: Approaches & methodologies for sustainability (science) research

Date	Time	Theme	Specific topic	Teaching staff
11 March	9-12	<i>Mixed Methods</i>	Intro to quantitative and qualitative methods + combining methods. How, Why?	EJ
11 March	13-15	<i>Case Study Method</i>	Extended Case Study	DH
12 March	9-12	<i>Ethnographic Research</i>	Fieldwork, interview, positionality	TK & MI
12 March	13-15	<i>Descriptive-Analytical methods</i>	GIS, modelling, big data, statistics, and network analysis	EJ

13 March	9- 12	<i>Future thinking and planning</i>	Participatory scenario thinking, visions and imaginaries	EJ
14 March	13-16	<i>Critical reflection on knowledge (co-) production in SS</i>	Indigenous knowledge, western knowledge + related methods  Panel Discussion	EJ, MG, TK
15 March	9-12	<i>Reflections on mixed-method approaches</i>	Discussions on if, when and how quantitative and qualitative methods meet in your research	PhD Presentations
29 March	Upload to Canvas	<i>Final assignment submission</i>  <i>(/Draft of Kappa Intro)</i>		MN + EJ

## Teacher team

MN: Maryam Nastar (course conveyer)

EJ: Emma Johansson (course conveyer)

MS: Murray Scown

BV: Bregje van Veelen

DH: David Harnesk

SV: Sinem Kavak

MG: Melissa Garcia

MI: Mine Islar

TK: Torsten Krause