

VERSION 05.06.2019 - **THERE WILL DEFINITELY BE CHANGES!**

	DAY 1: 6/6 2019	DAY 2: 7/6 2019	DAY 3: 11/6 2019	DAY 4: 12/6 2019	DAY 5: 13/6 2019
Topic	Introduction: What is knowledge?	A day in the woods: How do we create knowledge?	The creation of knowledge	Visualisation of knowledge	Circulation and geography of knowledge
09.00 - 09.30	Introduction to the course and the learning objectives and activities	Fieldwork: Introduction to the create knowledge exercise and Q&A	Q&A, practical information and introduction to the theme of the day	Q&A, practical information and introduction to the theme of the day	Q&A, practical information and introduction to the theme of the day
09.30 - 10.15	Presentation: Who is who	Fieldwork in groups	Text workshop: Texts - see literature list part B	Text workshop (see literature list part C)	Lecture: Knowledge objects and places, part 1 (books, laboratories, libraries, the Internet etc.)
10.15	Coffee Break	Short meeting in the forest and then continued fieldwork in groups (who brings coffee?)	Coffee Break	Coffee Break	Coffee Break
10.30 - 11.15	Introduction continued. Pre-test		Text workshop continued	Knowledge visualisations exercise	Text workshop - see literature list part E
11.15 - 12.00	Introduction lecture: What is knowledge?		Lecture: The history of concepts, classifications, units and standards	Lecture: Visualisations of knowledge and their history (maps, drawings, diagrams, models, statistics etc.)	
12.00 - 13.00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13.00 - 14.00	Text workshop (see literature list part A) + What is knowledge exercise	Preparing presentations in groups (at DTU)	Exercise in Nanoteket: Resonance in a bottle (Inclusive discussion about the relation between theories and empirical data)	Guest lecturer Tomas Bohr, DTU Physics: The history of the Bohr model of atoms and other visualisations of knowledge in physics	Mini-course and discussions at DTU Library (frokoststue 101)
14.00-15.00		Presentations and discussion		Text workshop - see literature list part D	
15.00-16.00		Evaluation and discussion of ways of knowing			

Colours: Mandatory (required to pass)

Lecture

Guest lecturer

Field trip / visits

	DAY 6: 14/6 2019	DAY 7: 17/6 2019	DAY 8: 18/6 2019	DAY 9: 19/6 2019	DAY 10: 20/6 2019
Topic	Knowledge objects	Knowledge practices	Case: Knowledge, computers and AI	Case: Knowledge and the environment	Case: My department and my own knowledge
09.00 - 09.30	Visit to FOSS R&D, Foss Allé 1, 3400 Hillerød. Be there at latest 8.55! We meet with Anders Søbørg at 9 am.	Q&A, practical information and introduction to the theme of the day	Q&A, practical information and introduction to the theme of the day	Q&A, practical information and introduction to the theme of the day	Recap and discussion of main points from the two first weeks
09.30 - 10.15		Lecture: Knowledge practices in different professions - gathering, analysing, dissemination and employing knowledges	Lecture: Knowledge objects and places, part 3 (data processing equipment from typewriters and calculators to computers and AI)	Lecture: Environmental knowledge in a historical light and the concept of 'agnotology': the making and unmaking of ignorance	Exercise: My department and how we work with knowledge
10.15		Coffee Break	Coffee Break	Coffee Break	Coffee Break
10.30 - 11.15		Poster workshop: Preparation of a poster presentation of a chosen text/topic/object (continues)	Guest lecturer Leon Eyrich Jessen, Division of Digital Health and Biological Modelling: How do computers know?	Guest lecturer Kirsten Halsnæs, DTU Management: Knowledge about pollution and climate	Exercise: My department and how we work with knowledge
11.15 - 12.00			How has computers and AI influenced the creation, visualisation and circulation of knowledge? Discussion with Leon	How do knowledge influence actions? Discussion with Kirsten	Pitch session: My department
12.00 - 13.00	Lunch Break and transport	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13.00 - 14.00	Lecture: Knowledge objects and places, part 2 (instruments and experimental setups)	Exercise in Nanoteket: Measuring roughness and other things	Text workshop - see literature list part F	Poster workshop continued	Visit to DTU Skylab: Innovation, prototypes and different kinds of knowledge
14.00-15.00	Visit to and exercise in the historical collection at DTU		Poster workshop continued	Poster workshop - presentation and discussion	
15.00-16.00	Evaluation of week1		Introduction to rubrics and peer feedback		
		Lecture: The art of measuring and quantification, including discussion of the exercise			Pitch session continued in situ: Visit to 2-3 students' departments

Text workshop

Poster workshop

	DAY 11: 21/6 2019	DAY 12: 24/6 2019	DAY 13: 25/6 2019	DAY 14: 26/6 2019	DAY 15: 27/6 2019
Topic	Introduction to project work	Project work	Project work	Project work	Exam
09.00 - 09.30	Introduction to project work and exam	Q&A session	Q&A session	Q&A session	
09.30 - 10.15	Lecture: Introduction to information search and referencing	Group work	Group work	Group work	
10.15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10.30 - 11.15	Lecture: Introduction to communication and argumentation	Group work. Possible to sign up for supervision / feedback	Group work. Possible to sign up for supervision / feedback	Group work. Possible to sign up for supervision / feedback	
11.15 - 12.00	Q&A				
12.00 - 13.00	Lunch Break				
13.00 - 14.00	Choice of subject and group planning. Beginning of literature search	Group work	Peer group presentations and feedback	Group work	
14.00-15.00					
15.00-16.00	Evaluation of week 1+2		Group work		