Schedule 18 January to 23 March.

The course is a distance course using the Canvas platform to direct the students in the study flow.

The distance course format is based on asynchronous teaching where the learning by the student comprises of several activities including literature, videos, lectures, reports and reflections, all which the student can explore, assimilate and respond to. All the material will be on the Canvas platform. The release of the content will be done on the Monday of each study week. This format creates a huge flexibility for the student but it is combined with deadlines for hand-ins, which have to be held by students who have the ambition to obtain better grades than pass (3). The higher grades are 4 and 5. Some lectures may be sent live but they will be recorded and available on the canvas site. A few synchronous meetings will be held towards the end of the course.

Week 2021	Starting date	Theme and lectures	Main resources and student activity – preliminary
3	2021-01-18	**Introduction** (Anders Herlin)	Presentation of yourself
		Lecture on PLF (Anders Herlin)	Paper to be read followed by quiz
			Short reflection on lecture
4 - 5	2021-01-25	**Fundamentals of PLF**: Biology, sensors, signal interpretation, data processing, validation. Lectures:	Read several papers followed by quiz
		Sensing animals physiology and behaviour (Anders Herlin	Exercise, report
		Signals and annotation (Oleksiy Guzhva)	
		Development on algorithms (Mikael Nilsson)	
		Assessment and validation (Oleksiy Guzhva)	
6 - 7	2021-02-08	**Application of PLF** – integration of perspectives and management	Read several papers followed by quiz
		Standard operation procedure, decision support, effects on herd performance (Annica Hansson)	Videos with information
		IR sensor use for udder health strategies in dairy production (Agricam)	Contribution in a report/reflection and discussion
		Production control: Automatic scales – strategy for practice (Hencol)	
8 - 9	2021-02-22	**PLF applications and the end-user perspective**	Read several papers followed by quiz/report or reflections
		Evaluating PLF end-user (Oleksiy Guzhva)	Project work including an interview of an end user Presentation (including a video) Written report
		Involving end-users (Oleksiy Guzhva)	

	2021-03-03		Deadline (report and presentation), take part of others reports and presentations
	2021-03-05	**Joint seminar on project 13-15**	**Attend seminar, discussion on presentations**
10-11	2021-03-08	Development of a PLF application from beginning to end (R&D cycle including product deployment and infrastructure maintenance) and its role in the digital transformation of smart farming.	Literature to be used in project work
		Lecture on definitions, examples, multiactors (Oleksiy Guzhva; Anders Herlin	Project-work instructions
	2021-03-20		Deadline (report and presentation), take part of others reports and presentations presentation of project
	2021-03-22	**Joint seminar on project 13-15**	**Attend seminar, discussion on presentations**
		Feed back to course management 15-16	Course evaluation