

LB0120 - The Ecology of Cropping Systems

Date	Day of the week	Start time	End time	Activity	Topic	Location
2025-01-20	Monday	13:15	14:00	Lecture - Mandatory	Introduction to the course	F-Salen
		14:15	17:00	Lecture - Mandatory	Introduction to cropping systems	F-Salen
2025-01-21	Tuesday	08:15	10:00	Lecture	Agriculture as part of an ecological system and The concept of sustainability	F-Salen
		10:15	12:00	Seminar preparation - mandatory	The schools of agriculture: concepts for increasing sustainability, such as organic farming, conservation agriculture, regenerative farming, agroecology, biodynamics, agroforestry.	F-Salen
2025-01-23	Thursday	13:15	15:00	Lecture	Cropping systems over time	F-Salen
2025-01-24	Friday	13:15	15:00	Lecture	Cropping systems in Europe	F-Salen
2025-01-27	Monday	08:15	11:00	Lecture	Food webs and the influence on landscape on within field biodiversity	F-Salen
2025-01-28	Tuesday	08:15	11:00	Lecture	Population dynamics (weeds, pests and diseases)	F-Salen
		14:00	17:00	Seminar presentation - mandatory	The schools of agriculture: concepts for increasing sustainability	F-Salen
2025-01-29	Wednesday	08:15	11:00	Lecture	How diversification can be used to improve agroecosystem functions?	F-Salen
2025-01-30	Thursday	13:15	15:00	Lecture	Nematodes and crop rotations	F-Salen
2025-01-31	Friday	13:15	16:00	Seminar presentation - mandatory	How can diversification be used to improve agroecosystem functions?	F-Salen
2025-02-03	Monday	08:15	10:00	Lecture	Break crop effects and long term effects of cropping systems on soil fertility and crop yield	F-Salen
		13:15	15:00	Lecture	Cropping system approaches to control plant diseases	F-Salen
2025-02-04	Tuesday	10:15	12:00	Lecture	Effects of crop diversity on pest regulation	F-Salen
		13:15	15:00	Lecture	Viruses in cropping systems	F-Salen
2025-02-05	Wednesday	09:15	12:00	Lecture	Soil tillage in a cropping system perspective, why tillage is needed, or not needed	F-Salen
2025-02-06	Thursday	13:15	16:00	Lecture	The role of weed-insect trophic interactions in promoting ecological intensification	F-Salen
2025-02-07	Friday	10:15	12:00	Lecture	Effects of insecticide use on arthropod communities and food webs	F-Salen
2025-02-10	Monday	08:15	12:00	Lecture	Agroforest Systems	F-Salen
		13:15	16:00	Lecture	Water management in cropping systems, adapting to climate change	F-Salen
2025-02-11	Tuesday	13:15	16:00	Lecture	Climate change and its effects on crops and cropping systems	F-Salen
2025-02-12	Wednesday	13:15	16:00	Lecture	Agricultural systems in the tropics and sub-tropics	F-Salen
2025-02-14	Friday	09:15	12:00	Seminar presentation - mandatory	Climate change and its effects on crops and cropping systems	F-Salen
		13:15	15:00	Lecture	Nutrient management in organic farming systems: between farm and within-field variability	F-Salen
2025-02-17	Monday	09:15	12:00	Seminar presentation - mandatory	Agroforest Systems	F-Salen
2025-02-18	Tuesday	09:15	12:00	Lecture	Nutrient balances as a tool for field and farm management	F-Salen
2025-02-19	Wednesday	09:15	11:00	Lecture (Zoom)	Remote sensing tools to support field and farm management	Zoom
2025-02-20	Thursday	13:15	18:00	Lecture + lab visit	The biology, chemistry and logistics of recycling from society to agriculture in a sustainability perspective	F-Salen
2025-02-21	Friday	13:15	15:00	Lecture	Implications of conflicts on food production	F-Salen
2025-02-24	Monday	09:15	12:00	Lecture	Economic short and long term performance of cropping systems	F-Salen
		13:15	16:00	Lecture + exercise - mandatory	Economic short and long term performance of cropping systems	F-Salen
2025-02-25	Tuesday	09:15	12:00	Lecture + exercise	Life-cycle assessments	F-Salen
2025-02-26	Wednesday	13:15	18:00	Lecture + exercise - mandatory	Data sources and tools to support advisory service. How to integrate the specific knowledge into a suitable advise to farmers, support their system optimization and redesign?	F-Salen
2025-02-28	Friday	08:15	11:00	Lecture + exercise	Sustainability assessment at farm level	F-Salen
		11:15	12:00	Instructions and preparation for the project - mandatory		F-Salen
2025-03-03	Monday			project work		
2025-03-04	Tuesday			project work		
2025-03-05	Wednesday			project work		
2025-03-06	Thursday			project work		
2025-03-07	Friday			project work		
2025-03-10	Monday			project work		
2025-03-11	Tuesday			project work		
2025-03-12	Wednesday			project work		
2025-03-13	Thursday			project work		
2025-03-14	Friday			project work		
2025-03-17	Monday			project work		
2025-03-18	Tuesday			project work		
2025-03-19	Wednesday			project work		
2025-03-20	Thursday	08:15	12:00	Presentation - mandatory	Presentation of the project and submission of the written report	F-Salen
2025-03-24	Monday	08:00	12:00	Exam - mandatory		Tentamensal