

Schedule for the course Production and quality evaluation of forages BI1327 24/3 to 4/6 2021

PRELIMINARY 2021-04-12

Nilla Nilsson-Linde

Blue = Together with HV0166 - Feed Science and Forage Production

Month	Day	Date	Hour	Place	Content	Lecturer / responsible
The ley crop, CS						
March	Wednesday	24	08.15-10.00	Zoom	Introduction, registration, roll-call, study advice	Nilla Nilsson-Linde
			10.15-11.00	Zoom	Feed analyses – an introduction	Torsten Eriksson
			11.15-12.00	Zoom	Scientific writing – introduction	Nilla Nilsson-Linde
March	Thursday	25	08.15-12.00	Zoom	Multiple choice test (MCT) 1 opens in Canvas	Open 24 March-12 April
			13.15-15.00	Zoom	Lecture: Plant species utilised and their characteristics	Nilla Nilsson-Linde
			15.15-17.00	Zoom	Introduction to group assignment 1: Formulating seed mixtures. Work with group assignment 1	Nilla Nilsson-Linde
March	Friday	26	09.15-11.00	Zoom	Crop production and quality dynamics	Anne-Maj Gustavsson
			11.15-12.00	Zoom	Lecture: Combining forage species in a seeding mixture	Nilla Nilsson-Linde
			11.15-12.00	Zoom	Lecture: Harvest strategy in a ley	Magnus Halling
			13.15-16.00	Zoom – break-out rooms	Work with group assignment 1 + reading MCT 1	Nilla Nilsson-Linde
March	Monday	29	09.15-10.00	Zoom	Lecture: Nutrient balances on livestock farms	Eva Salomon
			10.15-12.00	Zoom	Lecture: Organic manure	Eva Salomon
			13.15-17.00		Work with group assignment 1 + reading MCT 1	Nilla Nilsson-Linde
March	Tuesday	30	10.15-12.00	Zoom	Lecture and exercise: Ley fertilisation	Pernilla Kvarmo
			13.15-17.00		Work with group assignment 1 + reading MCT 1	
March	Wednesday	31	08.15-10.00	Zoom	Lecture: Maize as a forage crop, Swedish experiences	Magnus Halling
			10.15-12.00		Work with group assignment 1 + reading MCT 1	
			12.00		Group assignment 1 - formulation seeding mixtures - deadline for reporting on Canvas	
						Scientific writing – subject to Nilla (deadline)
April	Thursday	1			Individual study – preparing for Group discussion A (study questions & literature)	

The week after Easter free from lessons (Scientific writing and individual studies on MCT 1, 1 April, 6-9 April)

Conservation of forage crops, C

April	Monday	12	13.15-16.00	Zoom	Individual study Report of Group assignment 1	Nilla Nilsson-Linde & Magnus Halling
April	Tuesday	13	10.15-12.00	Zoom	MCT 1 closes at midnight	Rolf Spörndly
			13.15-16.00	Zoom	Lecture: Silage making Lecture: Silage quality Multiple choice test (MCT) 2 opens in Canvas	Rolf Spörndly
April	Wednesday	14	09.15-12.00	Zoom	Lecture: Malfermentations	Open 13-23 April Rolf Spörndly
The ley crop, continued, CS						
April	Thursday	15			Individual study – preparing for Group discussion A (study questions & literature)	
April	Friday	16			Individual study – preparing for Group discussion A (study questions & literature) <i>Scientific writing – plan with outline and relevant literature to Nilla (deadline)</i>	
April	Monday	19	09.15-12.00	Zoom	Group discussion A – The ley crop – sward establishment techniques, weeds, nitrogen and grass production, overwintering, ley in the cropping system	Martin Weih, Magnus Halling & Göran Bergkvist
			14.15-16.00	Field trip Säby	Overwintering of leys – field tour	Magnus Halling
April	Tuesday	20			Individual study – preparing for Group discussion B (study questions & literature)	
Forage as an animal feed and quality evaluation, AS						
April	Wednesday	21	10.15-11.00	Zoom	Feed analyses Individual study – preparing for Group discussion B (study questions & literature)	Torsten Eriksson
April	Thursday	22	08.15-10.00	Zoom	Demonstration of the VOS analysis	Anna-Greta Haglund
April	Friday	23			Individual study – preparing for Group discussion B (study questions & literature) MCT 2 closes at midnight	

April	Monday	26	09.15-11.45	Zoom	Group discussion B – Ruminant forage digestion, forage to ruminants, quality evaluation	Horacio Gonda
			11.45-12.00	Zoom	Introduction to group assignment 2; Forage for cattle – effect of harvest date	Horacio Gonda
			13.15-14.00	Zoom	Course evaluation	Nilla Nilsdotter-Linde
					Multiple choice test (MCT) 3 + 4 opens in Canvas	Open 26 April-21 May
April	Tuesday	27			Individual study	
April	Wednesday	28			Individual study	
April	Thursday	29			Individual study	
April	Friday	30			Individual study	
May	Monday	3			Individual study	
May	Tuesday	4			Group work with assignment 2	
Grazing, GM						
May	Wednesday	5	09.15-11.00	Zoom	Lecture: Forage for horses. Introduction to Group assignment 3: Forage for horses	Cecilia Müller
May	Thursday	6	13.15-15.00	Zoom	Report of Group assignment 2	Horacio Gonda
May	Friday	7	09.15-12.00	Zoom	Lecture: Machinery and economy of forage production incl. organic production	Rolf Spörndly
May	Monday	10			Individual study – preparing for Group discussion C (study questions & literature)	
			12.00		Scientific writing – final submission (deadline)	
May	Tuesday	11			Individual study – preparing for Group discussion C (study questions & literature)	
May	Wednesday	12			Individual study – preparing for Group discussion C (study questions & literature)	
May	Thursday	13			Ascension Day	
May	Friday	14			Free	

May	Monday	17	09.15-12.00	Zoom	Group discussion C - Grazing – management of pastures, parasites, grazing systems, intake, substitution rate, nutrient content, selection, effect on breed, semi-natural grasslands and biodiversity aspects <i>Scientific writing – response and grade from supervisor</i>	Eva Spörndly
May	Tuesday	18	09.15-12.00	Zoom	Report of Group assignment 3: Forage for horses	Cecilia Müller
May	Wednesday	19	09.15-12.00	Demo area	Field exercises: Species characteristics	Nilla Nilsson-Linde
Species and mixtures in practice, CS						
May	Thursday	20	13.15-15.00	Zoom	Individual study Lecture: Determination of botanical composition – weaknesses and possibilities	David Parsons
May	Friday	21			Individual study MCT 3 + 4 close at midnight	
May	Monday	24		Demo area	Individual study – species characteristics	
May	Tuesday	25	09.15-10.45 11.00-12.00	Recorded Zoom	<i>Farm visit Östanå Farm – organic milk production</i> Farm visit Östanå Farm – organic milk production – discussion with the farmer	Henrik Johansson, Nilla Nilsson-Linde & Torsten Eriksson
			13.15-17.00	Field trip	Field visit: Semi-natural grasslands	Anders Glimskär & Nilla Nilsson-Linde
May	Wednesday	26			<i>Scientific writing – corrected version to Nilla</i> Individual study	
May	Thursday	27	09:00-10:30 10:30-12:00 13.15-15.00	Feed Sci. Lab Feed Sci. Lab Zoom	Exercise on forage quality – Group A Exercise on forage quality – Group B Discussion on silage making and big bale silage <i>Scientific writing – scientific papers available for all students in BI1327 and HV0166</i>	Rolf Spörndly Rolf Spörndly Rolf Spörndly

Individual study scientific papers and final examination

May	Friday	28			Individual study	
May	Monday	31			Individual study	
June	Tuesday	1	09.15-12.00	Zoom	<i>Scientific writing – presentation by students in BI1327 with prepared questions by BI1327 and HV0166 students</i>	Nilla Nilsson-Linde & Magnus Halling
			13.15-14.00	Zoom	Course evaluation	Nilla Nilsson-Linde
June	Wednesday	2			Individual study	
June	Thursday	3	08.00-12.00	Särimer, Ultuna Campus	Final examination	
June	Friday	4				
August	Friday	27	08.00-12.00	Ultuna Campus	Time to redo the written examination	

Compulsory items are marked with bold italic text

EcoC = Ecology Building

VHC = Centre for Veterinary Medicine and Animal Science

U-house = The Teacher Building

Library = Ultuna Library

CS = Crop Science

C = Conservation

AS = Animal Science and Quality Evaluation

GM = Grazing management