

Schedule for the course Production and quality evaluation of forages BI1327 20/3 to 31/5 2024

2024-03-27

Nilla Nilsdotter-Linde

Blue = Together with HV0166 - Feed Science and Forage Production. **Compulsory items are marked with bold italic text**

Month	Day	Date	Hour	Place	Content	Lecturer / responsible
Introduction and The ley crop, CS						
March	Wednesday	20	08.15-09.00	Ratatosk, VHC	Introduction, registration, roll-call, study advice	Nilla Nilsdotter-Linde
			09.15-10.00	Are, VHC	Introduction, roll-call	Nilla Nilsdotter-Linde & Horacio
			10.15-11.20	Are, VHC	Lecture: Introduction – ruminant metabolism and feed analyses	Horacio Gonda
			11.30-12.00	Are, VHC	Scientific writing – introduction	Nilla Nilsdotter-Linde
						Open 20 March–8 April
March	Thursday	21	08.15-12.00	K, U-house	Lecture: Plant species utilised and their characteristics	Nilla Nilsdotter-Linde
			13.15-15.00	L, U-house	Lecture: Crop production and quality dynamics	Anne-Maj Gustavsson
			15.15-16.00	L, U-house	Introduction to group assignment 1: Formulating seed mixtures. Work with group assignment 1	Nilla Nilsdotter-Linde
March	Friday	22	09.15-11.00	V, Ull's House	Lecture: Combining forage species in a seeding mixture	Nilla Nilsdotter-Linde
			11.15-12.00	V, Ull's House	Lecture: Harvest strategy in a ley	Magnus Halling
			13.15-17.00	Room 02, 03, 08, 09, 10 - VHC-5, Room 13, 14 - VHC-4	Work with group assignment 1 + reading MCT 1	Nilla Nilsdotter-Linde
March	Monday	25	10.15-12.00	L, U-house	Lecture and exercise: Ley fertilisation	Pernilla Kvarmo (Zoom)
			13.15-17.00	Room 02, 03, 08, 09, 10, 11 - VHC-5, Room 13 - VHC-4	Work with group assignment 1 + reading MCT 1	Nilla Nilsdotter-Linde
March	Tuesday	26	09.15-10.00	Audhumbla, VHC	Lecture: Nutrient balances on livestock farms	Eva Salomon
			10.15-12.00	Audhumbla, VHC	Lecture: Organic manure	Eva Salomon
			13.15-17.00	Room 02, 03, 08, 09, 10, 11 - VHC-5, Room 13 - VHC-4	Work with group assignment 1 + reading MCT 1	
March	Wednesday	27	08.15-10.00	Särimner, VHC	Lecture: Maize as a forage crop, Swedish experiences	Magnus Halling
			10:00-12:00	Room 08, 09, 10, 11 - VHC-5, Room 13, 14, 15 - VHC-4	Work with group assignment 1 + reading MCT 1	
						Open 27 March–16 April
March	Thursday	28	12.00		Group assignment 1 – formulation seeding mixtures – deadline for reporting on Canvas	
					MCT 2 – Conservation – opens in Canvas	
						Open 27 March–16 April
						Scientific writing – subject to Nilla (deadline)
						Individual study

March Friday 29

Good Friday

The week after Easter is free from lessons (Scientific writing and individual studies on MCT 2) 2-5 April

Conservation, C

April	Monday	8	09.15-12.00	Lennart Kenne´s Room, BioC	Lecture: Silage making	Rolf Spörndly
			13.15-15.00	A241, BioC	Lecture: Silage quality	Rolf Spörndly
			15.15-17.00	F, EcoC	Group assignment 1 – formulation seeding mixtures – prepare the oral presentation	
					MCT 1 closes at midnight	
April	Tuesday	9	09.15-12.00	Lennart Kenne´s Room, BioC	Report of Group assignment 1	Nilla Nilsdotter-Linde & Magnus Halling
			13.15-16.00	Lennart Kenne´s Room, BioC	Lecture: Malfermentations	Rolf Spörndly
April	Wednesday	10			Individual study	
					<i>Scientific writing – plan with outline and relevant literature to Nilla (deadline)</i>	
April	Thursday	11	08.15-17.00		Individual study – preparing for Group discussion A (study questions & literature)	
April	Friday	12	08.15-17.00		Individual study – preparing for Group discussion A (study questions & literature)	
April	Monday	15	08.15-17.00		Individual study – preparing for Group discussion A (study questions & literature)	
April	Tuesday	16	09.15-12.00	F, EcoC	Group discussion Aa – The ley crop – nitrogen and grass production, ley in the cropping system	Martin Weih & Göran Bergkvist
			13.15-15.00	Field trip, Säby	Overwintering of leys – field tour	Magnus Halling
					MCT 2 closes at midnight	
April	Wednesday	17	09.15-11.00	F, EcoC	Group discussion Ab – The ley crop – sward establishment techniques, weeds, overwintering	Magnus Halling
					Multiple choice test (MCT) 3 – Animal Science + 4 – Grazing – open in Canvas	Open 17 April–20 May
April	Thursday	18			Individual study – preparing for Group discussion B (study questions & literature)	
April	Friday	19			Individual study – preparing for Group discussion B (study questions & literature)	

April	Monday	22			Individual study – preparing for Group discussion B (study questions & literature)	
April	Tuesday	23			Individual study	
April	Wednesday	24	09.15-11.45	F, EcoC	Group discussion B – Ruminant forage digestion, forage to ruminants, quality evaluation	Horacio Gonda
			11.45-12.00	F, EcoC	Introduction to group assignment 2; Forage for cattle – effect of harvest date	Horacio Gonda
April	Thursday	25	08.15-11.00	F, EcoC	Lecture: Interpretation of feed analyses incl. assignment	Torsten Eriksson
			11.15-12.00	F, EcoC	Course evaluation	Nilla Nilsdotter-Linde
			13.15-16.00	F, EcoC	Group work with Group assignment 2	
April	Friday	26			Individual study	
April	Monday	29			Individual study	
April	Tuesday	30			Free	
May	Wednesday	1			Free	
May	Thursday	2	09.15-11.00	S, Ull's House	Lecture: Forage for horses. Introduction to Group assignment 3: Forage for horses	Cecilia Müller
			12.00		Scientific writing – final submission (deadline)	
May	Friday	3	09.15-12.00	Course Lab, EcoC	Lecture: Machinery and economy of forage production incl. organic production	Rolf Spörndly
			13.15-15.00	Course Lab, EcoC	Report of Group assignment 2	Horacio Gonda
Grazing, GM						
May	Monday	6			Individual study – preparing for Group discussion C (study questions & literature)	
May	Tuesday	7			Individual study – preparing for Group discussion C (study questions & literature)	
May	Wednesday	8			Individual study – preparing for Group discussion C (study questions & literature)	
May	Thursday	9			Scientific writing – response and grade from supervisor	
May	Friday	10			Ascension Day	
					Free	
May	Monday	13	10.15-12.00	Course Lab, EcoC	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	Rebecca Danielsson
			13.15-15.00	S, Ull's House	Lecture: Grazing for future	Rebecca Danielsson

Species and mixtures in practice, CS

May	Tuesday	14	08.15-12.00	Demo area	Field exercises: Species characteristics (not mandatory for Plant & Soil students)	Nilla Nilsson-Linde, Sigrun Dahlin
May	Wednesday	15	09.15-11.00	Demo area	Species characteristics – test (not mandatory for Plant & Soil students)	Nilla Nilsson-Linde, Sigrun Dahlin
						<i>Scientific writing – corrected version to Nilla</i>
May	Thursday	16	09.15-12.00	S, Ull's House	Report of Group assignment 3: Forage for horses	Cecilia Müller
			13.15-15.00	S, Ull's House	Lecture: Botanical composition – why and how?	David Parsons
May	Friday	17	08.30-10.00	Lövsta	Exercise on forage quality – Group A	Rolf Spörndly
			10.30-12.00	Lövsta	Exercise on forage quality – Group B	Rolf Spörndly
			13.15-15.00	V, Ull's House	Discussion on silage making and big bale silage	Rolf Spörndly

Individual study scientific papers and final examination

May	Monday	20	08.00-12.00	Study visit	Farm visit Östanå Farm – milk production	Henrik Johansson, Nilla Nilsson-Linde & Torsten Eriksson
			13.15-17.00	Field trip	Field visit: Semi-natural grasslands – Krusenberg	Anders Glimskär, Nilla Nilsson-Linde & Anna Hessle
						MCT 3 + 4 close at midnight
						<i>Scientific writing – scientific papers available for all</i>
May	Tuesday	21			Individual study	
May	Wednesday	22	08.15-11.00	F, EcoC	Scientific writing – oral presentation, opposition and discussion	Nilla Nilsson-Linde
			11.15-12.00	F, EcoC	Course evaluation – oral & written	Nilla Nilsson-Linde
May	Thursday	23			Individual study	
May	Friday	24			Individual study	
May	Monday	27	11.15-12.00	Zoom	Time for questions (individual study)	Nilla Nilsson-Linde, Torsten Eriksson, Horacio Gonda
May	Tuesday	28			Individual study	
May	Wednesday	29			Individual study	
May	Thursday	30	08.00-12.00	Ultuna Campus	Final examination	
May	Friday	31				
August	Friday	30	08.00-12.00	Ultuna Campus	Time to redo the written Final examination	

Compulsory items are marked with bold italic text

EcoC = Ecology Building

BioC = BioCenter

U-house = The Teacher Building

VHC = the Centre for Veterinary Medicine and Animal Science

CS = Crop Science

C = Conservation

AS = Animal Science and Quality Evaluation

GM = Grazing Management