

Schedule for the course Production and quality evaluation of forages BI1327 22/3 to 2/6 2023

2023-03-16

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 Conservation of forage crops, C						
March	Wednesday	22	08.15-09.00	Tamm, EcoC	Introduction, registration, roll-call, study advice	Nilla Nilsdotter-Linde (Zoom)
			09.15-10.00	Tamm, EcoC	Introduction, roll-call	Nilla Nilsdotter-Linde (Zoom) & Horacio Gonda
			10.15-12.00	Tamm, EcoC	Lecture: Introduction - ruminant metabolism and feed analyses Multiple choice test (MCT) 1 opens in Canvas	Horacio Gonda & Sophie Krizsan Open 22 March-29 March
March	Thursday	23	08.15-09.00	Tamm, EcoC	Scientific writing – introduction	Nilla Nilsdotter-Linde (Zoom)
			09.15-11.00	Tamm, EcoC	Lecture: Silage making	Rolf Spörndly
			11.15-12.00	Tamm, EcoC	Lecture: Silage quality	Rolf Spörndly
			13.15-15.00	Tamm, EcoC	Lecture: Silage quality	Rolf Spörndly
March	Friday	24	09.15-12.00	Room V, Ull's House	Lecture: Malfermentations	Rolf Spörndly
			13.15-17.00		Individual study	
The ley crop, CS						
March	Monday	27	08.15-12.00	Dvalin, VHC	Lecture: Plant species utilised and their characteristics	Nilla Nilsdotter-Linde
			13.15-15.00	Dvalin, VHC	Lecture: Crop production and quality dynamics	Anne-Maj Gustavsson
			15.15-16.00	Dvalin, VHC	Introduction to group assignment 1: Formulating seed mixtures. Work with group assignment 1	Nilla Nilsdotter-Linde
March	Tuesday	28	10.15-12.00	Are, VHC	Lecture: Combining forage species in a seeding mixture	Nilla Nilsdotter-Linde
			13.15-17.00	02, 03, 08, 09, 10 - VHC house 5,	Work with group assignment 1 + reading MCT 1	Nilla Nilsdotter-Linde
March	Wednesday	29	08.15-12.00	13, 14 - VHC house 4	Work with group assignment 1 + reading MCT 1	
MCT 1 closes at midnight						
March	Thursday	30	09.15-11.00	Lennart Kennes Room, BioC	Lecture and exercise: Ley fertilisation	Pernilla Kvarmo (Zoom)
			11.15-16.00	08, 09, 10, 11 - VHC house 5 B209, B211, C208 - Ull's Hus	Work with group assignment 1 + reading MCT 2	Nilla Nilsdotter-Linde
Scientific writing – subject to Nilla (deadline)						
Multiple choice test (MCT) 2 opens in Canvas						Open 30 March-18 April

March	Friday	31	09.15-10.00 10.15-12.00 13.15-16.00	Dvalin, VHC Dvalin, VHC 02, 03, 08, 09, 10, 11 - VHC house 5 13 - VHC house 4	Lecture: Nutrient balances on livestock farms Lecture: Organic manure Work with group assignment 1 + reading MCT 2	Eva Salomon Eva Salomon
			17.00		Group assignment 1 - formulation seeding mixtures - deadline for reporting on Canvas	
April	Monday	3	09.15-10.00 10.15-12.00 13.15-17.00	N, U-house N, U-house	Lecture: Harvest strategy in a ley Lecture: Maize as a forage crop, Swedish experiences Individual study – preparing for Group discussion A (study questions & literature)	Magnus Halling Magnus Halling
April	Tuesday	4	09.15-11.00 13.15-17.00	Field trip, Säby	Overwintering of leys – field tour Individual study – preparing for Group discussion A (study questions & literature)	Magnus Halling
April	Wednesday	5	09.15-12.00	N, U-house	Report of Group assignment 1	Nilla Nilsson-Linde & Magnus Halling
April	Thursday	6	08.15-17.00		Individual study – preparing for Group discussion A (study questions & literature) <i>Scientific writing – plan with outline and relevant literature to Nilla (deadline)</i>	
April	Friday	7			Good Friday	
The week after Easter is free from lessons (Scientific writing and individual studies on MCT 2) 11-14 April						
April	Monday	17			Individual study – preparing for Group discussion A (study questions & literature)	
April	Tuesday	18	09.15-12.00	F, EcoC	Group discussion Aa – The ley crop – nitrogen and grass production, ley in the cropping system MCT 2 closes at midnight	Martin Weih & Göran Bergkvist
Forage as an animal feed and quality evaluation, AS						
April	Wednesday	19			Individual study Multiple choice test (MCT) 3 + 4 open in Canvas	Open 19 April-22 May
April	Thursday	20			Individual study – preparing for Group discussion B (study questions & literature)	
April	Friday	21			Individual study – preparing for Group discussion B (study questions & literature)	

April	Monday	24			Individual study – preparing for Group discussion B (study questions & literature)	
April	Tuesday	25	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	Wednesday	26	09.15-11.00	F, EcoC	Lecture: Interpretation of feed analyses incl. assignment	Torsten Eriksson
			13.15-16.00	F, EcoC	Group discussion Ab – The ley crop – sward establishment techniques, weeds, overwintering	Magnus Halling
			11.15-12.00	F, EcoC	Course evaluation	Nilla Nilsson-Linde
April	Thursday	27			Individual study	
April	Friday	28			Individual study	
May	Monday	1			Free	
May	Tuesday	2			Group work with assignment 2	
			12.00		Scientific writing – final submission (deadline)	
May	Wednesday	3	09.15-11.00	N, U-house	Lecture: Forage for horses. Introduction to Group assignment 3: Forage for horses	Cecilia Müller
May	Thursday	4	09.15-12.00	Room U, Ull's House	Lecture: Machinery and economy of forage production incl. organic production	Rolf Spörndly
			13.15-15.00	Room U, Ull's House	Report of Group assignment 2	Horacio Gonda
May	Friday	5			Individual study	
Grazing, GM						
May	Monday	8			Individual study – preparing for Group discussion C (study questions & literature)	
May	Tuesday	9			Individual study – preparing for Group discussion C (study questions & literature)	
May	Wednesday	10			Individual study – preparing for Group discussion C (study questions & literature)	
May	Thursday	11			Individual study	
					Scientific writing – response and grade from supervisor	
May	Friday	12			Individual study	
May	Monday	15	09.15-12.00	F, 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	Eva Spörndly & Rebecca Danielsson
			13.15-16.00	Dvalin, VHC	Report of Group assignment 3: Forage for horses	Cecilia Müller

Species and mixtures in practice, CS

May	Tuesday	16	08.15-12.00	Demo area	Field exercises: Species characteristics (not mandatory for Plant & Soil students)	Nilla Nilsson-Linde
May	Tuesday	16	13.15-15.00	Dvalin, VHC	Lecture: Botanical composition – why and how?	David Parsons
May	Wednesday	17	09.15-11.00	Demo area	Species characteristics – test (not mandatory for Plant & Soil students)	Nilla Nilsson-Linde
<i>Scientific writing – corrected version to Nilla</i>						
May	Thursday	18				Ascension Day
May	Friday	19				Free

Individual study scientific papers and final examination

May	Monday	22	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	Anders Glimskär & Nilla Nilsson-Linde
MCT 3 + 4 close at midnight						
<i>Scientific writing – scientific papers available for all students</i>						
May	Tuesday	23	08.30-10.00	Lab, HUV	Exercise on forage quality – Group A	Rolf Spörndly
			10.30-12.00	Lab, HUV	Exercise on forage quality – Group B	Rolf Spörndly
			13.15-15.00	N, U-house	Discussion on silage making and big bale silage	Rolf Spörndly
May	Wednesday	24	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	25				Individual study
May	Friday	26				Individual study
May	Monday	29				Individual study
May	Tuesday	30				Individual study
May	Wednesday	31				Individual study
June	Thursday	1	08.00-12.00	Exam Room 1, U-house	Final examination	
June	Friday	2				
August	Friday	25	08.00-12.00	Ultuna Campus	Time to redo the written examination	

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EcoC = Ecology Building

BioC = BioCenter

U-house = The Teacher Building

VHC = the Centre for Veterinary Medicine and Animal Science

HUV = Department of Animal Nutrition and Management

CS = Crop Science

C = Conservation

AS = Animal Science and Quality Evaluation

GM = Grazing Management