

Schedule for the course Production and quality evaluation of forages BI1327 24/3 to 3/6 2022

PRELIMINARY – 2022-02-22

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
The ley crop, CS						
March	Thursday	24	08.15-09.00	C212, BioC	Introduction, registration, roll-call, study advice	Nilla Nilsdotter-Linde
			09.15-10.00	C212, BioC	Introduction, roll-call	Horacio Gonda & Torsten Eriksson
			10.15-12.00	C212, BioC	Lecture: Introduction - ruminant metabolism and feed analyses	Horacio Gonda & Torsten Eriksson
			13.15-14.00	C212, BioC	Scientific writing – introduction	Nilla Nilsdotter-Linde
March	Friday	25	08.15-12.00	A132	Multiple choice test (MCT) 1 opens in Canvas	Open 24 March-8 April Nilla Nilsdotter-Linde
			13.15-15.00	A132	Lecture: Plant species utilised and their characteristics	Anne-Maj Gustavsson
			15.15-16.00	A132	Introduction to group assignment 1: Formulating seed mixtures. Work with group assignment 1	Nilla Nilsdotter-Linde
March	Monday	28	10.15-12.00	A132	Lecture: Combining forage species in a seeding mixture	Nilla Nilsdotter-Linde
			13.15-16.00	B205, B209, B211, C203, C206, C208	Work with group assignment 1 + reading MCT 1	Nilla Nilsdotter-Linde
March	Tuesday	29	09.15-10.00	Room Z	Lecture: Nutrient balances on livestock farms	Eva Salomon
			10.15-12.00	Room Z	Lecture: Organic manure	Eva Salomon
			13.15-17.00	A133, A134, C203, C206, C208, Room P	Work with group assignment 1 + reading MCT 1	Nilla Nilsdotter-Linde
						Scientific writing – subject to Nilla (deadline)
March	Wednesday	30	09.15-11.00	Zoom	Lecture and exercise: Ley fertilisation	Pernilla Kvarmo
March	Thursday	31	08.15-17.00	A133, A134, C203, C206, C208, D237	Work with group assignment 1 + reading MCT 1	
April	Friday	1			Individual study – preparing for Group discussion A (study questions & literature)	
Conservation of forage crops, C						
April	Monday	4	09.15-11.00	C212, BioC	Lecture: Silage making	Rolf Spörndly
			11.15-12.00	C212, BioC	Lecture: Harvest strategy in a ley	Magnus Halling
			13.15-15.00	C212, BioC	Lecture: Maize as a forage crop, Swedish experiences	Magnus Halling
April	Tuesday	5	09.15-12.00	A132	Lecture: Silage quality	Rolf Spörndly
			13.15-16.00	A132	Lecture: Malfermentations	Rolf Spörndly
						17.00
						Group assignment 1 - formulation seeding mixtures - deadline for reporting on Canvas

The ley crop, continued, CS

April	Wednesday	6			Individual study – preparing for Group discussion A (study questions & literature)	
April	Thursday	7			Individual study – preparing for Group discussion A (study questions & literature)	
April	Friday	8	09.15-12.00	Room O2, U-House	Report of Group assignment 1	Nilla Nilsdotter-Linde & Magnus Halling
					Individual study – preparing for Group discussion A (study questions & literature)	
					<i>Scientific writing – plan with outline and relevant literature to Nilla (deadline)</i>	
					MCT 1 closes at midnight	
					Multiple choice test (MCT) 2 opens in Canvas	Open 8-22 April

The week before Easter is free from lessons (Scientific writing and individual studies on MCT 2, 11-14 April)

April	Tuesday	19	09.15-12.00	F, EcoC	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

Forage as an animal feed and quality evaluation, AS

April	Wednesday	20	09.15-10.00	F, EcoC	Lecture: Feed analyses	Torsten Eriksson
					Individual study – preparing for Group discussion B (study questions & literature)	
April	Thursday	21	08:00-11:00	HUV Lab	Group 1; IVDOM - visit to the lab, watching the process	Anna-Greta Haglund
			10:00-13:00	HUV Lab	Group 2; IVDOM - visit to the lab, watching the process	Anna-Greta Haglund
			12:00-15:00	HUV Lab	Group 3; IVDOM - visit to the lab, watching the process	Anna-Greta Haglund
			14:00-17:00	HUV Lab	Group 4; IVDOM - visit to the lab, watching the process	Anna-Greta Haglund
					Individual study – preparing for Group discussion B (study questions & literature)	
April	Friday	22			Individual study – preparing for Group discussion B (study questions & literature)	
					MCT 2 closes at midnight	
April	Monday	25			Individual study – preparing for Group discussion B (study questions & literature)	
					Multiple choice test (MCT) 3 + 4 open in Canvas	Open 25 April-20 May

April	Tuesday	26	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
			13.15-15.00	F, EcoC	Lecture: Interpretation of feed analyses incl. assignment	Torsten Eriksson
			15.15-16.00	F, EcoC	Course evaluation	Nilla Nilsdotter-Linde
April	Wednesday	27			Individual study	
April	Thursday	28			Individual study	
April	Friday	29			Individual study	
May	Monday	2			Individual study	
			12.00		Scientific writing – final submission (deadline)	
May	Tuesday	3			Group work with assignment 2	
May	Wednesday	4	09.15-11.00	Room R	Lecture: Forage for horses. Introduction to Group assignment 3: Forage for horses	Cecilia Müller
May	Thursday	5	09.15-12.00	F, EcoC	Lecture: Machinery and economy of forage production incl. organic production	Rolf Spörndly
			13.15-15.00	F, EcoC	Report of Group assignment 2	Horacio Gonda
May	Friday	6			Individual study	
Grazing, GM						
May	Monday	9			Individual study – preparing for Group discussion C (study questions & literature)	
May	Tuesday	10			Individual study – preparing for Group discussion C (study questions & literature)	
May	Wednesday	11			Individual study – preparing for Group discussion C (study questions & literature)	
May	Thursday	12			Individual study	
May	Friday	13			Scientific writing – response and grade from supervisor	
May	Monday	16	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
			13.15-14.45	HUV Feed Lab	Exercise on forage quality – Group A	Rolf Spörndly
			15.00-16.30	HUV Feed Lab	Exercise on forage quality – Group B	Rolf Spörndly
May	Tuesday	17	09.15-12.00	Room Q	Report of Group assignment 3: Forage for horses	Cecilia Müller
			13.15-15.00	Room Q	Discussion on silage making and big bale silage	Rolf Spörndly

Species and mixtures in practice, CS

May	Wednesday	18	08.15-12.00	Demo area	Field exercises:Species characteristics (not mandatory for Plant & Soil students)	Nilla Nilsson-Linde
May	Thursday	19	09.15-11.00	Demo area	Species characteristics – test (not mandatory for Plant & Soil students)	Nilla Nilsson-Linde
			13.15-15.00	Room Q	Lecture: Determination of botanical composition – weaknesses and possibilities <i>Scientific writing – corrected version to Nilla</i>	David Parsons

Individual study scientific papers and final examination

May	Friday	20			Individual study MCT 3 + 4 close at midnight <i>Scientific writing – scientific papers available for all students</i>	
May	Monday	23	08.00-12.00	Study visit	Farm visit Östanå Farm – organic milk production	Henrik Johansson, Nilla Nilsson-Linde, Horacio Gonda & Torsten Eriksson
			13.15-17.00	Field trip	Field visit: Semi-natural grasslands	Anders Glimskär & Nilla Nilsson-Linde
May	Tuesday	24	08.15-17.00		Individual study	
May	Wednesday	25	08.15-11.00	F, EcoC	<i>Scientific writing – oral presentation, opposition and discussion</i>	Nilla Nilsson-Linde
			11.15-12.00	F, EcoC	Course evaluation	Nilla Nilsson-Linde
May	Thursday	26			Ascension Day	
May	Friday	27			Free	
May	Monday	30			Individual study	
May	Tuesday	31			Individual study	
June	Wednesday	1			Individual study	
June	Thursday	2	08.00-12.00	Ultuna Campus	Final examination	
June	Friday	3				
August	Friday	26	08.00-12.00	Ultuna Campus	Time to redo the written examination	

Compulsory items are marked with bold italic text

EcoC = Ecology Building
 BioC = BioCenter
 U-house = The Teacher Building
 HVC = Department of Animal Nutrition and Management
 VHC = Centre for Veterinary Medicine and Animal Science

All other rooms in Ull's House
 CS = Crop Science
 C = Conservation
 AS = Animal Science and Quality Evaluation
 GM = Grazing management