

Trees, structure and function BI1385

Preliminary schedule HT2021
20210830 - 20211101

Zoom: <https://slu-se.zoom.us/j/65552491069> Passcode: 123456
Main teaching room: Silvicum, Sundsvägen 3

			Week 35				
Date	Day	Time	Course module 1 - Introduction to F&L	Activity	Teachers	Place	
2021-08-30	Monday	13.00 - 15.00	F&L Roll call 13-15	O	KH, HM	Articum 1 and 2	
			Overview of F&L programme	O	KH, HM		
2021-08-31	Tuesday	9.00 - 11.30	Welcome and Introductions	O	MC, KH, HM, VB	Zoom	
			Introduction to the 1st course: modules, schedule, readings, individual and group assignments, grading, working in Canvas	L	MC		
			12.30 - 13.00	Student Photos (meet just outside Silvicum)	O	MC, IF	Outside Silvicum
			13.00 - 16.00	Tour of Alnarpsparken	E	AF	Alnarpsparken
2021-09-01	Wednesday	9.00 - 12.00	Introduction to F&L: Short thematic lectures from invited speakers of courses in years 1, 2 and 3	S	MC, TR, JUD, KH, AFel, MJ, JR, LAG, UN, NV	Crafoord Lecture Hall (Crafoordsalen)	
			13.00 - 16.00	Sustainable studies: study strategies and study technique	O		see Link
				**Writing Assignment #1 DUE			
2021-09-02	Thursday	9.00 - 12.00	Introduction to Writing Across the Curriculum (WAC)	L	MC, LA, AD	Zoom	
			WAC Integration in F&L; WAC Guidebook	L	MC, PS		
			Scientific writing, support, services	L	Åse Ode (SLU Library)		
			Discussion of writing assignments	O	MC		
			13.00 - 16.00	Tour of Alnarps västerskog	E	HB, BW	Alnarpsparken
2021-09-03	Friday	8.15 - 16.30	All-day field excursion to Skabersjö	E	MC, UN + many teachers	Meet bus outside Silvicum at 8.15	

			Week 36			
Date	Day	Time	Course module 2 - Tree identification	Activity	Teachers	Place
2021-09-06	Monday	8.30 - 9.30	Module intro	L	AF, MW	Zoom
		10.00 - 12.00	Lecture 2.1. Trees in ecosystem and in forestry. Systematics.	L	AF, MW	
		13.00 - 15.00	Field demonstration: Habitus & Morphology	W	AF, MW	Alnarpsparken
2021-09-07	Tuesday	8.30 - 10.00	Lecture 2.2. Morphology & Habitus – how to recognize plants	L	AF, MW	Zoom
		10.30 - 11.30	Lecture 2.3. Understanding "site": What does a tree require?	L	AF, MW	

		11.30 - 12.00	Introduction to group assignment (species requirements)	L	AF, MW	
		13.00 - 15.00	Plant walk 1. (class divided in two halves)	W	AF/MW	Alnarpsparken
2021-09-08	Wednesday	8.30 - 16.00	Individual studies	IS		
			**Writing Assignment #2 DUE			
2021-09-09	Thursday	8.30 - 10.30	Plant walk 2. (class divided in two halves)	W	AF/MW	Alnarpsparken
		10.30 - 16.00	Individual studies	IS		
2021-09-10	Friday	8.30 - 10.30	Plant walk 3. (class divided in two halves)	W	AF/MW	Alnarpsparken
		10.30 - 16.00	Individual studies	IS		

			Week 37			
Date	Day	Time	Course module 2 - Tree identification	Activity	Teachers	Place
2021-09-13	Monday	8.30 - 12.00	Individual studies	IS		
		13.00 - 15.30	Tutoring: How to learn & remember plants	T	AF, MW, AP or MB	Alnarpsparken
2021-09-14	Tuesday	8.30 - 10.30	Plant walk 4. (class divided in two halves)	W	AF/MW	Alnarpsparken
		10.30 - 16.00	Individual studies	IS		
2021-09-15	Wednesday	8.30 - 16.00	Individual studies	IS		
2021-09-16	Thursday	8.30 - 10.30	Plant walk 5. (class divided in two halves)	W	AF/MW	Alnarpsparken
		10.30 - 16.00	Individual studies	IS		
2021-09-17	Friday	8.30 - 10.30	Plant walk 6. (class divided in two halves)	W	AF/MW	Alnarpsparken
		10.30 - 16.00	Individual studies	IS		

			Week 38			
Date	Day	Time	Course module 2 - Tree identification	Activity	Teachers	Place
2021-09-20	Monday	8.30 - 16.00	Individual studies	IS		
2021-09-21	Tuesday	8.30 - 10.00	Individual studies	IS		
		10.00 - 12.00	Seminar with presentation of group assignment	S	AF/MW	Zoom
		13.00 - 15.30	Tutoring: How to distinguish species?	T	AF, MW, AP or MB	Alnarpsparken
2021-09-22	Wednesday	8.30 - 16.00	Individual studies	IS		
2021-09-23	Thursday	10.00 - 15.00	**Examination 1	S	AF, MW, AP, MB	Alnarpsparken
2021-09-24	Friday	8.30 - 16.00	Individual studies	IS		

Week 39						
Date	Day	Time	Course module 3 - Soils	Activity	Teachers	Place
2021-09-27	Monday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 3.1. Soil formation and site fertility	L	BF	Silvicum
		13.00 - 16.00	Group work: Decomposition	GW	BF, JUD	Silvicum
2021-09-28	Tuesday	8.00 - 16.00	All-day field excursion to Veberöd	E	BF, EH, JA, JUD	Veberöd
2021-09-29	Wednesday	8.00 - 10.00	Individual studies	IS		
		10.00 - 11.00	Lecture 3.2. Soil water and nutrient cycles	L	BF	Silvicum
		11.00 - 12.00	Lecture 3.3. Soil biota and organic matter	L	BF	
		13.00 - 16.00	Group work: Decomposition	GW	BF, JUD	Silvicum
2021-09-30	Thursday	8.00 - 10.00	Individual studies	IS		
		10.30 - 12.00	Lecture 3.4. Urban soils	L	TR	Zoom
		13:00 - 16:00	Alnarp campus excursion	E	TR	Alnarpsparken
2021-10-01	Friday	8:00 - 10:00	Individual studies	IS		
		10:30 - 12:00	Lecture 3.5. Soil management and climate change	L	BF	Silvicum
		13.00 - 16.00	Group work: Decomposition	GW	BF, JUD	Alnarpsparken

Week 40						
Date	Day	Time	Course module 4 - Tree Anatomy and Development	Activity	Teachers	Place
2021-10-04	Monday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 4.1. Roots: function; rhizography; anatomy; development	L	MC	Silvicum
		13.00 - 16.00	Individual studies: Root morphology exercise	IS		
2021-10-05	Tuesday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 4.2. Roots: control of growth; growth periodicity	L	MC	Zoom
		13.00 - 16.00	Individual studies	IS		
2021-10-06	Wednesday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 4.3. Shoots: morphology; buds; anatomy	L	MC	Silvicum
		13.00 - 16.00	Individual studies: Shoot morphology exercise	IS		
2021-10-07	Thursday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12:00	Lecture 4.4. Shoots: control of growth; photosynthesis, respiration	L	MC, PS	Zoom
		13.00 - 16.00	Individual studies: Branch morphology exercise (monopodial vs. sympodial)	IS		
		15.00 - 16.30	**Examination 2 for Module 2	S	AF, AP, MB	Alnarpsparken

2021-10-08	Friday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12:00	Lecture 4.5. Stems: cambium (anatomy, activity/regulation, development)	L	MC	Silvicum
		13.00 - 16.00	Peer Assessment of Groups - Assignment #3	GW		Silvicum

Week 41						
Date	Day	Time	Course module 4 - Tree Anatomy and Development	Activity	Teachers	Place
2021-10-11	Monday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12:00	Lecture 4.6. Stems: wood: gymnosperm/angiosperm; anatomy and variation	L	MC	Silvicum
		13.00 - 16.00	Group work/Individual studies	GW/IS		
2021-10-12	Tuesday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12:00	Lecture 4.7. Stems: phloem/periderm: gymnosperm/angiosperm; anatomy and variation; primary and secondary development	L	MC	Zoom
		13.00 - 16.00	Individual studies	IS		
			**Writing Assignment #3 DUE			
2021-10-13	Wednesday	8.00 - 9.00	Individual studies			
		9.00 - 12:00	Lecture 4.8. Reproduction: anatomy; lifecycles (gymnosperms/angiosperms)	L	IF	Silvicum
		13.00 - 16.00	Practical exercise: seed preparation and germination	E	IF	Greenhouse (location TBA)
2021-10-14	Thursday	8.00 - 12:00	Individual studies	IS		
		13.00 - 16.00	Lecture 4.9. Tree water relations	L	PS	Zoom
2021-10-15	Friday	9.00 - 12:00	Individual studies	IS		
		13.00 - 16.00	Lecture 4.10. Tree carbon relations	L	PS	Silvicum

Week 42						
Date	Day	Time	Course module 4 - Tree Anatomy and Development	Activity	Teachers	Place
2021-10-18	Monday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 4.11. Tree nutrition and tree fitness	L	JW	Silvicum
		13.00 - 16.00	Individual studies	IS		
2021-10-19	Tuesday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 4.12. Tree metabolism and defense	L	JW	Zoom
		13.00 - 16.00	Individual studies	IS		

2021-10-20	Wednesday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 4.13. Environmental Challenges for Trees	L	JW	Silvicum
		13.00 - 16.00	Individual studies	IS		
2021-10-21	Thursday	8.00 - 16.00	Individual studies	IS		
			**Pre-submission of Writing Assignment #4 for WAC evaluation			
2021-10-22	Friday	8:00 - 12:00	Individual studies	IS		
		13.00 - 16.00	Tree mycobiome; symbiotic relationships for nutrient acquisition & tree fitness	S	CR	Silvicum

Week 43						
Date	Day	Time	Course module 5 - Mensuration and Biometrics	Activity	Teachers	Place
2021-10-25	Monday	8.00 - 9.00	Individual studies	IS		
		8.00 - 9.00	Individual student meetings (15 min.) for WAC feedback (Patrick will inform about your scheduled time)	O	PS	Patrick's Zoom
		9:00 - 12:00	Lecture 5.1. Single tree measurements and instruments	L	JA, EH, FN	Silvicum
		13.00 - 16.00	Individual studies	IS		
2021-10-26	Tuesday	8.00 - 9.00	Individual studies	IS		
		8.00 - 9.00	Individual student meetings (15 min.) for WAC feedback (Patrick will inform about your scheduled time)	O	PS	Patrick's Zoom
		9.00 - 12.00	Lecture 5.2. Stand measurements and descriptive statistics	L	JA, EH, FN	Zoom
		13.00 - 16.00	Individual studies	IS		
		12.00 - 17.30	Individual student meetings (15 min.) for WAC feedback (Patrick will inform about your scheduled time)	O	PS	Patrick's Zoom
2021-10-27	Wednesday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 5.3. Sampling Theory and National Inventories	L	JA, EH, FN	Silvicum
		13.00 - 16.00	Individual studies	IS		
2021-10-28	Thursday	9.00 - 16.00	Field work practices	E, GW	JA, EH, FN	Field locaton TBA
2021-10-29	Friday	8.00 - 9.00	Individual studies	IS		
		9.00 - 12.00	Lecture 5.4. Remote sensing & LIDAR	L	JA, EH, FN	Silvicum
		13.00 - 16.00	Individual studies	IS		

			Week 44			
Date	dag	Time	Final Meeting	Activity	Teachers	Place
2021-11-01	Monday	9.00 - 11.00	Final meeting: Course Evaluation, WAC progression, Follow-up of student's 'own' trees	O	MC	Silvicum
			**Writing Assignment #4 DUE			

Activity code

L, lecture
 GW, group work
 E, excursion
 S, seminar
 W, walking
 IS, individual studies
 O, other
 T, tutoring

Teachers

MC Michelle Cleary
 KH Karin Hjelm
 HM Helena Mellqvist
 TR Thomas Randrup
 JUD Jaime Uria Diez
 BF Benjamin Forsmark
 AF Anders Folkesson
 AFel Adam Felton
 VB Vilis Brukas
 UN Urban Nilsson
 EH Emma Holmström
 MW Magdalena Wiedermann
 JW Johanna Witzell
 PS Patrick Sherwood
 IF Iva Franic
 CR Carmen Romeralo
 JA Jorge Aldea
 HB Henrik Böhlenius
 AP Agnes Pettersson
 MB Martin Brattström
 FN Friday Nwabueze
 LA Linn Areskoug
 AD Alexandra D'Urso
 MJ Märit Jansson
 LAM Luis Andres Guialm
 NV Nina Vogel
 JR Jonas Rönnerberg
 BW Björn Wiström