

Corurse: Remote Sensing and Forest Inventory
 SG0227
 SLU Umeå, VT 2025

LECTURE	EXERCISE	SEMINAR <i>*Obligatory</i>
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	26-Mar Wednesday	27-Mar Thursday	28-Mar Friday	29-Mar	##
8 Teachers JB: Jonas Bohlin TL: Torgny Lind					8
9 AG: Anton Grafström DM: Donato Morresi RM: Ritwika Mukhopadhyay			L4 Physics of remote sensing		9
10 SR: Shivam Rawat RP: Raul de Paula Pires	L1 Introduction to course JB + TL	L3 Intro to subjects Common elements Intro to applications TL	L5 Satellite imagery Forest and veg info from JB		10
11					11
12					12
13	Lecture free afternoon	L2 Intro inventory data and sampling designs AG	E1 Data display - contrast Histograms Extracting data		13
14					14
15					15
16					16
17					17

31-Mar Monday	1-Apr Tues	2-Apr Wed	3-Apr Thurs	4-Apr Friday
L6 Geometry, Radiometry optical satellite data RS DM	E2 Classification of optical satellite data Own work	L9 Estim methods Quality /Acc assmt DM	E2 Classification of optical satellite data	E3 Regression estimation with optical satellite data DM
L6 Field data Classification optical satellite data DM	E2 Classification of optical satellite data Own work	Lecture free afternoon	E2 Classification of optical satellite data DM	E3 Regression estimation with optical satellite data

###	7-Apr Monday	8-Apr Tuesday	9-Apr Wednesday	10-Apr Thursday	11-Apr Friday	12-Apr
9						
10	L10 - Image manip Filters, resampling, Segmen	E4 Change detection optical satellite data	L15 Self study Radar	<i>Radar exercise self study</i>	L16 Self study Radar	
11	Change detection Time series applications JB	DM	RM,SR	<i>RM,SR</i>	RM,SR	
12						
13	Seminar 1	E4 Change detection optical satellite data	Lecture free afternoon	<i>Radar exercise self study</i>	<i>self study</i>	
14	JB					
15		DM		RM,SR	RM,SR	
16						

###	14-Apr Monday	15-Apr Tuesday	16-Apr Wednesday	17-Apr Thursday	18-Apr Friday	19-Apr
9						
10	RADAR Discussion with	L12 Introduction to laser data	L13 Area based and single tree methods			
11	RM,SR,HP	Intro to R and Fusion <i>RP</i>	<i>RP</i> E8 Regression with laser data			
12						
13	Radar exercise self study	E7 Display of laser data Control of data Display of DEM Laser data in raster form	Lecture free afternoon			
14						
15		<i>RP</i>				
16						
17						

Easter

##	21-Apr Monday	22-Apr Tuesday	23-Apr Wednesday	24-Apr Thursday	25-Apr Friday	26-Apr
8		E8 Regression with laser data	E9 Area-based estim with laser data	E10 Single tree est with laser data		
9					L14-Laserdata in Scandin Data fusion & Data access	
10					Seminar Laser data seminar	
11						
12		RP	RP	RP	JB	
13						
14		E9 Area-based estim with laser data	Lecture free afternoon	E10 Single tree est with laser data	E17 Combining multiple data sources	
15						
16						
17		RP		RP	JB	

##	28-Apr Monday	29-Apr Tuesday	30-Apr Wednesday	1-May Thursday	2-May Friday	3-May
8					Start kl 8.00 in Ljungberglabbet!	
9		LXX Aerial images and Photogrammetry, cont.	L19 Photogrammetry for forest applications	Labour day		
10	L17 Aerial images and Photogrammetry				E14 Data collection with a drone	
11		LXX - Drone regulations				
12	JB	JB	JB JB		JB	
13	E13 Generation of point clouds		Lecture free afternoon		E14 cont Data collection with a drone	
14						
15						
16						
17	JB					

###	5-May Monday	6-May Tuesday	7-May Wednesday	8-May Thursday	9-May Friday	10-May
10	L20 Use of drone data JB	Article seminar Comparing sensors	E12 Comparing point clouds	L22 Inventory Transition RS+FI	L24 Sampling, Post-stratif, Model assisted	
11	E16 Viewing drone images Looking at TLS data					
12				TL, MN	AG	
13	L21 Terrestrial laser scanning and MLS	E12 Comparing point clouds	Lecture free afternoon	L23 Sampling, Stratification	Time for sampling exercise	
14	and ground based photog			AG		
15						
16						AG
17						

####	12-May Monday	13-May Tuesday	14-May Wednesday	15-May Thursday	16-May Friday	####
9					Introduce Own Proj Årsringen, Floor 1	
10	L25 FOMA - Riksskogstax History, now, future	L26 NILS, THUF	L27 NFI Albania	L28 Non-timber inventories	Guest lecturer	
11	FRA, Carbon reporting JF, HansP, AG	Anna/HansG				
12						
13	Exercise based on NFI data	Time for sampling exercise	Lecture free afternoon	Time for sampling exercise	Guest lectures Professorer	
14						
15	ALA	AG		AG	JB	
16						

####	19-May Monday	20-May Tuesday	21-May Wednesday	22-May Thursday	23-May Friday	###
					Start kl 8.00 in Ljungberglabbet!	
10	L29 Forest agency inventories	L30 Use of RS and Inv in planning systems	Free day before seminar	Seminar Inventerings Seminar	Field visit	
11		TL		TL		
12						
13	Exercise	Guest lectures PhD students	Lecture free afternoon		Field visit	
14						
15						
16		JB				
17						

###	26-May Monday	27-May Tuesday	28-May Wednesday	29-May Thursday	30-May Friday	##
9	Own proj work	Own proj work	Own proj work		Own proj work	
10				Ascension day	Squeeze day	
11						
12						
13			Lecture free afternoon	Ascension day	Squeeze day	
14						
15						
16						
17						

##	2-Jun Monday	3-Jun Tuesday	4-Jun Wednesday	5-Jun Thursday	6-Jun Friday
9	Own proj work	Own proj work	Own proj work		
10				Final presentation Årsringen, Floor 1	
11					
12					
13			Lecture free afternoon		
14					
15	Course evaluation	Course evaluation			
16					

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