

## Time schedule for the course “Electromagnetic Soil Sensors – Theory and Applications”

	Monday – June 5	Tuesday – June 6	Wednesday – June 7	Thursday – June 8	Friday – June 9	Saturday – June 10	Sunday – June 11	
<b>Topics/ time</b>	<b>DSM intro</b>	<b>EMI</b>	<b>GPR and TDR Field trip</b>	<b>Vis-NIR</b>	<b>Natural gamma</b>	<b>Group work</b>	<b>Presentation and course evaluation</b>	
8.30 - 10.00	Soil Mapping in Denmark <i>Mogens, Lucas</i>	GCM/FDEM theory <i>John</i>	GPR theory <i>Triven</i>	NIRS theory <i>Maria</i>	Gamma theory <i>Fenny</i>	Group work <i>Mogens, John, Fenny, Maria, Amelie</i>	Group presentation	
<b>10.00 – 10.15</b>	<b>Coffee break</b>							
10.15 - 11.45	Introduction to digital soil mapping <i>Mogens, Amelie, John</i>	GCM/FDEM theory <i>John</i>	TDR theory <i>Anton</i>	NIRS theory <i>Maria</i>	Gamma theory <i>Fenny</i>	Group work <i>Mogens, John, Fenny, Maria, Amelie</i>	Group presentation and course evaluation	
<b>11.45 – 12.30</b>	<b>Lunch</b>							
12.30 - 14.45	Introduction to soil sensing <i>John</i>	tTEM /TEM theory <i>Anders</i>	ØBakker field trip Gamma, EMI, GPR, TDR in practice <i>Mogens, Amelie, Triven, Anton, Henrik</i>	Remote sensing intro <i>Sabine</i>	Case studies using multiple sensors <i>John, Fenny, Maria, Amelie</i>	Group work <i>Mogens, John, Fenny, Maria, Amelie</i>	Thanks for now!	
<b>14.45 - 15.15</b>	<b>Coffee break</b>							
15.15 - 18.15	Georeferencing using GPS and other GNSS systems <i>Rene, Henrik</i>	EM38 and DUALEM sensors <i>John, Triven, Henrik</i>	Continuation	NIRS lab demo <i>Maria</i>  Drones and cameras <i>Rene</i>	Multisensor platforms <i>Maria, Anton, Henrik</i>	Tour in Viborg <i>Mogens</i>  <i>Dinner at: Den Kinesiske Mur</i>		
<b>18.15 - 19.00</b>	<b>Dinner</b>							
19.00 – 20.00	GIS introduction and exercise <i>Eva</i>	EMI mapping exercise <i>Amelie, Triven</i>	Data analysis of GPR and TDR data <i>Anton, Triven</i>	NIRS exercise <i>Maria</i>				
20.00 – 21.00								

Indoor activities

Outdoor activities