

Stockholm University, Department of geological sciences				2025-03-06		VT25
Course leader: Richard Gyllencreutz (RG)				F = Lecture		
Other teachers: Joakim Mansfeld (JM)				Exe = Exercise		
GG7025 Terrestrial geophysics 7,5 hp (master level)						
Date	Start	End	Moment	Type	Teacher	Room
Mon 24/3	10:00	11:45	Geophysics - introduction	F	RG + JM	U10
	13:00	16:45	Basic Excel knowledge exercise	Exe	RG	U10
Tue 25/3	10:00	11:45	Geophysical measurements – gravimetry 1 Basics	F	RG	U10
	13:00	16:45	Gravimetry exercise 1	Exe	RG	U10
Wed 26/3	10:00	11:45	Geophysical measurements – gravimetry 2 Data reduction	F	RG	U10
	13:00	16:45	Reading			U10
Thu 27/3	10:00	11:45	Gravimetry calculation	Exe	JM	U10
	13:00	16:45	Gravimetry calculation	Exe	JM	U10
Fri 28/3	10:00	11:45	Geophysical measurements – magnetometry	F	RG	U10
	13:00	16:45	Magnetometry classroom exercise	Exe	RG	U10
Mon 31/3	10:00	11:45	Petrophysical exercise: density & susceptibility	Exe	RG + JM	SLAM
	13:00	16:45	Petrophysical exercise: density & susceptibility	Exe	RG + JM	SLAM
Tue 1/4	10:00	11:45	Geophysical measurements – electrical methods	F	JM	U10
	13:00	16:45	Reading			U10
Wed 2/4	10:00	11:45	Geophysical measurements – electromagnetic methods	F	JM	U10
	13:00	16:45	Reading			U10
Thu 3/4	10:00	11:45	GIS/map preparation	F	RG	U10
	13:00	16:45	GIS exercise QGIS - map making basics	Exe	RG	U10
Fri 4/4	10:00	11:45	Regional geology	F	JM	U10
	13:00	16:45	GIS exercise QGIS - Reginal geology and geophysics		RG + JM	U10
Mon 7/4	10:00	11:45	Reflection seismics	F	RG	U10
	13:00	16:45	Exercise in reflection seismics	Exe	RG	U10
Tue 8/4	10:00	11:45	Refraction seismics	F	JM	U10
	13:00	16:45	Exercise in refraction seismics	Exe	JM	U10
Wed 9/4	10:00	11:45	Other geophysical methods	F	JM	U10
Thu 10/4	10:00	11:45	Ground penetrating radar	F	RG	U10
	13:00	16:45	GIS exercise QGIS - extra time	Exe	RG	U10
Fri 11/4	10:00	11:45	Gravimetric interpretation and modelling	F	RG	U10
	13:00	16:45	Exercise in Gravimetric/Magnetometric modelling	Exe	RG	U10
Mon 14/4	10:00	11:45	Magnetometric interpretation and modelling	F	RG	U10
	13:00	15:45	Exercise in geophysical interpretation	Exe	RG + JM	U10
Tue 15/4	10:00	16:45	Instrument exercise - Lawn outside Geo-building - Bring packed lunch	Exe	RG + JM	Field
Wed 16/4	10:00	11:45	Questions & Answers / Repetition		RG + JM	U13
	13:00	16:45	Packing equipment for fieldwork		RG + JM	U13
Thu 17/4			Reading			
Fri 18/4 EASTER HOLIDAY						
Mon 21/4 EASTER HOLIDAY						
Tue 22/4	09:00	14:45	Written exam	EXAM		U10
Wed 23/4			Fieldwork departure to Småland - See separate info	practic	RG + JM	Field
Thu 24/4			Fieldwork in Småland	practic	RG + JM	Field
Fri 25/4			Fieldwork in Småland	practic	RG + JM	Field
Sat 26/4			Fieldwork in Småland - note work over Weekend	practic	RG + JM	Field
Sun 27/4			Fieldwork in Småland - note work over Weekend	practic	RG + JM	Field
Mon 28/4			Fieldwork in Småland	practic	RG + JM	Field
Tue 29/4			Report writing			
Wed 30/4			Report writing			
Thu 1/5			Report writing			
Fri 2/5	10:00	11:45	Report presentations (you) + Exam-explanation (RG + JM)	Exe	RG + JM	U10