Stockholms universitet

Schedule Geological Sciences 15 hp (GG2010) 2026 (Page 1/2)

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		Date	Start	Time	Information	Topic	Room	Marshak Ch.	Teacher	
Week 1	Mon	31-aug.	10:00	11:45	INTRODUCTION - Earth System Sciences	SET UP OF AN INHABITABLE PLANET	Will-Olsson		Pete	Week 1
			13:00	14:45	FORMATION OF THE UNIVERSE, SOLAR SYSTEM, AND EARTH		Will-Olsson	Ch. 1	Christophe	
			15:00	16:45	**READING**					
	Tues	01-sep.	10:00	11:45	PRESENTATION OF GROUP RESEARCH		Will-Olsson		Martin, Volker, Iain	
			13:00	14:45	**READING**					
			15:00	16:45						
	Wed	02-sep.	10:00	11:45	**BASIC SCIENCE:** CHEMISTRY BASICS: Elements to minerals		Will-Olsson	Ch. 5	Pete	
			13:00	14:45	EARTH STRUCTURE		Will-Olsson	Ch. 2, 10 + Int. D	Alasdair	
			15:00	17:00	**BASIC SCIENCE:** STUDYING WITH AI?		DeGeer		External	
	Thurs	03-sep.	10:00	11:45	MINERALS in ROCKS: Mineral properties - Mineral identification	EARTH MATERIALS - MINERALS & IGNEOUS ROCK	Will-Olsson	Ch. 5	Joakim	
			13:00	16:45	Exercise Group B - Mineral identification		Y11		Joakim + Ylva	
			15:00	16:45	Exercise Group A - Mineral identification		Y11		Joakim + Ylva	
	Fri	04-sep.	10:00	11:45	**BASIC SCIENCE:** Online Quiz Exercise - Chemistry Basics					
			13:00	14:45	Online Quiz Exercise - Earth Structure					
			15:00	16:45	**BASIC SCIENCE:** Exercise Groups A + B - Chemistry Basics		Y11		Pete	
Week 2	Mon	07-sep.	10:00	11:45	MINERALS in ROCKS: Rock forming minerals		Will-Olsson	Interlude A	Joakim	Week 2
			13:00	14:45	Exercise Group A - Mineral identification		Y11		Joakim	
			15:00	16:45	Exercise Group B - Mineral identification		Y11		Joakim	
	Tues	08-sep.	10:00	11:45	IGNEOUS ROCKS		Will-Olsson	Ch. 6	Joakim	
			13:00	15:45	Exercise Group B - Igneous rock identification		Y11		Joakim	
			15:00	16:45	Exercise Group A - Igneous rock identification		Y11		Joakim	
	Wed	09-sep.	10:00	11:45	PLATE TECTONICS - Introduction	PLATE TECTONICS	Will-Olsson	Ch. 4	Martin	
			13:00	14:45	Exercise Group A - Plate tectonics		Y11		Assistant (Ylva?)	
			15:00	17:00	**BASIC SCIENCE:** ACADEMIC WRITING AND AI		DeGeer		External	
	Thur	10-sep.	10:00	11:45	PLATE TECTONICS - Interaction at the boundaries		Will-Olsson	Ch. 4	Martin	
			13:00	14:45	Exercise Group B - Plate tectonics		Y11		Assistant (Ylva?)	
			15:00	16:45	**READING**					
	Fri	11-sep.	10:00	11:45	VOLCANOES	EARTH MTRLS. - IGNEOUS	Will-Olsson	Ch. 6	Alasdair	
			13:00	14:45	Exercise Group A - Volcanoes		Y11		Alasdair	
			15:00	16:45	Exercise Group B - Volcanoes		Y11		Alasdair	
Week 3	Mon	14-sep.	10:00	11:45	SEDIMENTS - Surface processes, sediments, and sedimentary structures	EARTH MATERIALS - SEDIMENTARY	Will-Olsson	Interlude B	Pete	Week 3
			13:00	14:45	SEDIMENTS - Sedimentary environments, diagenesis, and classification of sedimentary rocks		Will-Olsson	Ch. 7	Pete	
			15:00	16:45	**READING**					
	Tues	15-sep.	**09:30**	11:45	Exercise Group B - Sediments and sedimentary rocks		Y11		Pete, Wei-Li + ???	
			13:00	**15:15**	Exercise Group A - Sediments and sedimentary rocks		Y11		Pete, Wei-Li + ???	
			15:15	16:45	**READING**					
	Wed	16-sep.	10:00	11:45	METAMORPHISM	EARTH MATERIALS - METAMORPHIC	Will-Olsson	Ch. 8	Alasdair	
			13:00	14:45	Exercise Group B - Metamorphic rock identification		Y11/U28		Alasdair	
			15:00	16:45	Exercise Group A - Metamorphic rock identification		Y11/U28		Alasdair	
	Thurs	17-sep.	10:00	11:45	**READING**					
			13:00	14:45						
			15:00	16:45						
	Fri	18-sep.	10:00	11:45	Minerals and Rocks identification extra exercise time		Y11/U28		Assistant	
			13:00	14:45	Minerals and Rocks identification extra exercise time		Y11/U28		Assistant	
			15:00	16:45	Minerals and Rocks identification extra exercise time		Y11/U28		Assistant	
Week 4	Mon	21-sep.	10:00	11:45	CLOCKS IN ROCKS I - Stratigraphy and the Geological time scale	CLOCKS IN ROCKS	Will-Olsson	Ch. 12	Helen	Week 4
			13:00	14:45	Exercise Groups A + B - Rock garden exercise		Outside IGV		Assistant	
			15:00	16:45	Exercise Groups A + B - Rock garden exercise		Outside IGV		Assistant	
	Tues	22-sep.	10:00	11:45	CLOCKS IN ROCKS II - Measuring time and Stratigraphic logs		Will-Olsson	Ch. 12	Helen	
			13:00	14:45	Exercise Group A - Identifying unconformities/Relative geological time		Y11		Assistant	
			15:00	16:45	Exercise Group B - Identifying unconformities/Relative geological time		Y11		Assistant	
	Wed	23-sep.	10:00	11:45	EARTHQUAKES AND TSUNAMIS	EARTH MATERIALS	Will-Olsson	Ch. 10	Alasdair	
			13:00	14:45	Exercise Group B		Y11		???	
			15:00	16:45	Exercise Group A		Y11		???	
	Thurs	24-sep.	10:00	11:45	**BASIC SCIENCE:** STATISTICS & DATA REPRESENTATION - Basic statistics for geosceintists		Will-Olsson		Jan	
			13:00	14:45	**BASIC SCIENCE:** Exercise Group A - Statistical handling of geoscientific data		Y11		Assistant	
			15:00	16:45	**BASIC SCIENCE:** Exercise Group B - Statistical handling of geoscientific data		Y11		Assistant	
	Fri	25-sep.	10:00	11:45	DEFORMATION		Will-Olsson	Ch. 11	Uwe	
			13:00	14:45	Home assignment		Y11			
			15:00	16:45	Home assignment		Y11			
Week 5	Mon	28-sep.	10:00	11:45	METHOD: Introduction to GIS	GIS METHODS	Will-Olsson		Richard	Week 5
			13:00	14:45	Exercise Group A - Make a map using QGIS		U27		Richard + Jan	
			15:00	16:45	Exercise Group A - Make a map using QGIS		U27		Richard + Jan	
	Tue	29-sep.	10:00	11:45	GIS in research		Will-Olsson		Martin	
			13:00	14:45	Exercise Group B - Make a map using QGIS		U27		Richard + Jan + Ylva	
			15:00	16:45	Exercise Group B - Make a map using QGIS		U27			
	Wed	30-sep.			**READING AND EXAM PREPARATION**					

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Week 5	Thu	01-okt.			**WRITTEN EXAM 1 (2.5 HP)**					Week 5
	Fri	02-okt.			**EXCURSION TO GOTLAND & UTÖ**	EXCURSION	**Utö**: Alasdair, Elisabeth, Joakim, Richard **Gotland**: Otto, Christophe, Pete			
	Sat	03-okt.								
	Sun	04-okt.								
Week6	Mon	05-okt.	*Transfer*		**(Friday 2 Oct - Thursday 8 Oct)**					Week6
	Tues	06-okt.								
	Wed	07-okt.			**SEE SEPARATE SCHEDULE**					
	Thurs	08-okt.								
	Fri	09-okt.	10:00	11:45	PALEONTOLOGY - Fossil record and fossilization	PALEONTOLOGY	Will-Olsson	Interlude E	Otto	
			13:00	14:45	Exercise Group B		Y11			
			15:00	16:45	Exercise Group A		Y11			
Week 7	Mon	12-okt.	10:00	11:45	PALEONTOLOGY - Fossils of Gotland		Will-Olsson	Ch. 13	Otto	Week 7
			13:00	14:45	**READING**					
			15:00	16:45						
	Tues	13-okt.	10:00	11:45	THE HISTORY OF LIFE - Origin of life to recent	LIFE, ECOSYSTEMS, BIOGEOCHEMICAL CYCLES	Will-Olsson	Ch. 13	Pete	
			13:00	14:45	Online Quiz Exercise					
			15:00	16:45	**READING**					
	Wed	14-okt.	10:00	11:45	ECOSYSTEM FORM AND FUNCTION - Ecology, concepts, past ecosystems		Will-Olsson	Ch. 23 + Extra	Pete	
			13:00	14:45	Online Quiz Exercise					
			15:00	16:45	**READING**					
	Thurs	15-okt.	10:00	11:45	**READING (Lecture at 13.00!)**					
			13:00	14:45	BIOGEOCHEMICAL CYCLES		Will-Olsson	Ch. 23 + Extra	Wei-Li	
			15:00	16:45	Online Quiz Exercise					
	Fri	16-okt.	10:00	11:45	CLIMATE SYSTEM	CLIMATE - OCEAN - CRYOSPHERE	Will-Olsson	Ch. 20, 23	Alasdair	
			13:00	14:45	Exercise Group A		Y11			
			15:00	16:45	Exercise Group B		Y11			
Week 8	Mon	19-okt.	10:00	11:45	**BASIC SCIENCE:** PROGRAMMING I		Will-Olsson		Richard + Assistant	Week 8
			13:00	14:45	**BASIC SCIENCE:** Exercise Group A - Programming (Bring your own computer if possible)		U27			
			15:00	16:45	**BASIC SCIENCE:** Exercise Group B - Programming (Bring your own computer if possible)		U27			
	Tues	20-okt.	10:00	11:45	**BASIC SCIENCE:** PROGRAMMING II		Will-Olsson		Richard + Assistant	
			13:00	14:45	**BASIC SCIENCE:** Exercise Group B - Programming (Bring your own computer if possible)		U27			
			15:00	16:45	**BASIC SCIENCE:** Exercise Group A - Programming (Bring your own computer if possible)		U27			
	Wed	21-okt.	10:00	11:45	THE WORLD OCEAN - Ocean circulation (formation-size)		Will-Olsson	Ch. 18	Agatha	
			13:00	14:45	Exercise Group B		Y11			
			15:00	16:45	Exercise Group A		Y11			
	Thurs	22-okt.	10:00	11:45	ANTHROPOCENE		Will-Olsson	Ch. 23	Alasdair	
			13:00	14:45	Exercise Group A		Y11			
			15:00	16:45	Exercise Group B		Y11			
	Fri	23-okt.	10:00	11:45	**READING**					
			13:00	14:45						
			15:00	16:45						
Week 9	Mon	26-okt.	10:00	11:45	**READING**					Week 9
			13:00	14:45	COURSE CONCLUSION - QUESTIONS	SUMMARY	Will-Olsson		Richard, Pete	
			15:00	16:45	**READING**					
	Tues	27-okt.	10:00	11:45	**Exam preparation + report writing**					
			13:00	14:45						
			15:00	16:45						
	Wed	28-okt.	10:00	11:45	**Exam preparation + report writing**					
			13:00	14:45						
			15:00	16:45						
	Thurs	29-okt.	10:00	11:45	**Exam preparation + report writing**					
			13:00	14:45						
			15:00	16:45						
	Fri	30-okt.	09:00	14:00	**WRITTEN EXAM 2 (10 HP)**		**Y11** **Will-Olsson** **U13**			