

GG4070 SUBMARINE GEOMORPHOLOGY
DRAFT SCHEDULE
HT2026

Course leader: Sarah Greenwood (SG), sarah.greenwood@geo.su.se, Room R219

Support teachers & teaching assistants: Christoph Böttner (CB), Matthew Danielson (MD), Alva Åkerlind (AÅ)

Course book (e-book)

Micallef et al. 2018. Submarine Geomorphology:

<https://libris.kb.se/bib/21668267>
<https://doi.org/10.1007/978-3-319-57852-1>

Other literature will be provided in class.

		Format	Content	Room	Teacher	Submitted work due
Thur 3/12	am	10:00-10:45	Lecture	Course introduction	W-O	SG
		11:00-11:45	Lecture	Ocean basins	W-O	SG
	pm	13:00-16:00	Practical	Exploring the seafloor	U13/Y11	SG, AÅ
		16:00-17:00	Seminar	Discussion & review: exploring the seafloor		SG
Fri 4/12	am	10:00-10:45	Lecture	Geophysical data collection	W-O	CB
		11:00-11:45	Lecture	Geophysical data collection	W-O	CB
	pm	13:00-17:00	Self	Self-study: reading		
Mon 7/12	am	10:00-10:45	Seminar	Literature: ocean floor morphology	W-O/U13/Y11	SG/CB/MD/AÅ
		11:00-11:45	Lecture	Visualising DTMs	W-O	SG
	pm	13:00-16:00	Practical	Visualising DTMs	U13/Y11	SG, AÅ
		16:00-17:00	Seminar	Discussion & review: visualising DTMs		SG
Tues 8/12	am	10:00-10:45	Lecture	Stress, strain & strength	W-O	SG
		11:00-11:45	Lecture	Stress, strain & strength	W-O	SG
	pm	13:00-16:00	Practical	Quiz - stress, strain & strength	U13/Y11	SG, AÅ
		16:00-17:00	Seminar	Discussion & review: stress, strain & strength		SG
Wed 9/12	am	10:00-10:45	Lecture	Continental shelf landforms	W-O	SG
		11:00-11:45	Lecture	Continental shelf landforms	W-O	SG
	pm	13:00-17:00	Self	Self-study: reading		
Thurs 10/12	am	10:00-10:45	Guest talk		W-O	
		11:00-11:45	Seminar	Literature: continental shelf landforms	W-O/U13/Y11	SG/CB/MD/AÅ
	pm	13:00-13:45	Lecture	Canyon-channel-fans	W-O	SG
		14:00-14:45	Lecture	Canyon-channel-fans	W-O	SG
		15:00-17:00	Self	Self-study: reading		
Fri 11/12	am	10:00-10:45	Lecture	Subglacial systems	W-O	SG
		11:00-11:45	Lecture	Subglacial systems	W-O	SG
	pm	13:00-17:00	Self	Self-study: reading		
Mon 14/12	am	10:00-10:45	Lecture	Ice-ocean interface	W-O	SG
		11:00-11:45	Lecture	Ice-ocean interface	W-O	SG
	pm	13:00-17:00	Practical	Introduction to mapping project	W-O (Y11)	SG, AÅ
Tues 15/12	am	10:00-10:45	Seminar	Literature: glacial landforms	W-O/U13/Y11	SG/CB/MD/AÅ
		11:00-11:45	Self	Self-study: reading, mapping project		
	pm	13:00-17:00	Self	Self-study: reading, mapping project		
Wed 16/12	am	10:00-10:45	Lecture	Landslides & seabed stability	W-O	CB
		11:00-11:45	Lecture	Landslides & seabed stability	W-O	CB
	pm	13:00-17:00	Self	Self-study: reading, mapping project		
Thurs 17/12	am	10:00-11:00	Guest talk		W-O	
		11:00-11:45	Self	Self-study: reading, mapping project		
	pm	13:00-17:00	Self	Self-study: reading, mapping project		
Fri 18/12	am	10:00-10:45	Lecture	Morphometry	W-O	SG
		11:00-11:45	Practical	Morphometry / mapping project	W-O	SG
	pm	13:00-17:00	Practical	Morphometry / mapping project	U13/Y11	SG
Mon 21/12	am		Self	Self-study: reading, mapping project		
	pm					
Tues 22/12	am		Self	Self-study: reading, mapping project		
	pm					
CHRISTMAS BREAK						
Mon 4/1	am		Self	Self-study: reading, mapping project		
	pm					
Tues 5/1	am		Self	Self-study: reading, mapping project		
	pm					
Wed 6/1	am		Holiday			
Thurs 7/1	am	10:00-11:45	Seminar	Group discussions of mapping project	W-O, Y11	SG
	pm	13:00-17:00	Seminar	Group presentations of mapping areas	W-O	SG
Fri 8/1	am	10:00-10:45	Lecture	Sea level change / palaeo-reconstructions	W-O	SG
		11:00-11:45	Lecture	Sea level change / palaeo-reconstructions	W-O	SG
	pm		Self	Self-study: reading, mapping project		Submit mapping project: Sunday 23:59
Mon 11/1	am	10:00-12:00	Self	Self-study: reading		
	pm	13:00-13:45	Seminar	Literature: sea level/palaeo-reconstructions	W-O/U13/Y11	SG/CB/MD/AÅ
		14:00-15:15	Seminar	Recap & refresher: seafloor landform formation	W-O	SG
		15:30-17:00	Lecture	Drivers of geomorphic change, outlook	W-O	SG
Tues 12/1	am		Self	Exam prep		
	pm					
Wed 13/1	am		Self	Exam prep		
	pm					
Thur 14/1	am		Self	Exam prep		
	pm					
Fri 15/1	am	09:00-12:00	Exam		W-O, Y11	

Lecture	Seminar
Practical	Self-study
Guest-talk	Exam