

Marine Geophysics, 7.5 hp GG5125

Course leader: Christian Stranne christian.stranne@geo.su.se

2020-11-17

W	Date	Start	End	Topic	Type	Teacher	Room
49	Thu 3/12	10:00	10:15	Introduction	OBL	CS	zoom
		-	-	MOMENT 1.1 History of marine geophysics and world ocean mapping	S	MJ	-
50	Mon 7/12	-	-	MOMENT 2.1 Offshore navigation	S	MJ	-
		13:00	15:00	Tutoring/discussion	T	CS	zoom
	Tue 10/12	10:00	11:45	Sound and sound wave propagation	L	CS	zoom
	Wed 11/12	-	-	MOMENT 3.1 Speed of sound in the ocean	S	CS	-
	Fri 11/12	-	-	MOMENT 4.1 Principles of echo sounding methods	S	CS	-
13:00		15:00	Tutoring/discussion	T	CS	zoom	
51	Mon 14/12	-	-	MOMENT 4.2 High resolution acoustic seafloor and sub-bottom mapping methods	S	MJ	-
	Wed 16/12	10:00	11:45	Acoustic mid-water mapping	L	CS	zoom
	Fri 18/12	-	-	MOMENT 4.3 Errors and artefacts	S	MJ	-
		13:00	15:00	Tutoring/discussion	T	CS/MJ	zoom
* * * CHRISTMAS BREAK * * *							
2	Mon 4/1	-	-	MOMENT 5.1 Marine seismic reflection and refraction methods	S	MO	-
	Thu 7/1	-	-	MOMENT 6.1 The marine gravity field	S	RG	-
	Fri 8/1	-	-	MOMENT 7.1 The Earth's magnetic field at sea	S	RG	-
		13:00	15:00	Tutoring/discussion	T	MO/RG	zoom
3	Mon 11/1	-	-	MOMENT 8.1 Marine geophysical mapping of submarine glacial landforms	S	MJ	-
	Tue 12/1	08:00	16:00	Study day	S	-	-
	Wed 13/1	08:00	16:00	Study day	S	-	-
	Thu 14/1	08:00	16:00	Study day	S	-	-
		10:00	10:45	Discussion and questions	OPT	CS	zoom
	Fri 15/1	09:00	14:00	Written exam			U12

OBL = Obligatory

L = Lecture

S = Self study

T = Tutoring

OPT = Optional

Teachers:

CS = Christian Stranne - christian.stranne@geo.su.se

MO = Matt O'Regan - matt.oregan@geo.su.se

MJ = Martin Jakobsson - martin.jakobsson@geo.su.se

RG = Richard Gyllencreutz - richard.gyllencreutz@geo.su.se