

2024 Starting week – Settlement and language



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Week 32: The first day

Administration

05 August	
09:00-11:00	Welcome Administrative matters
11:00-12:00	Campus tur
12:00-13:00	Lunch
13:00-15:00	Guided tour through Sogndal <ul style="list-style-type: none"> • Public health office • Shopping opportunities • Library • Police
16:30-19:30	Guided tour to the Bøyabreen (Matthias) From ca. 18:00h Dinner at Brevasshytta (Matthias)

Week 32: Rest of the week

Language class and social events

06 August	
09:15-15:00 Afternoon	<ul style="list-style-type: none"> • Crash course in Norwegian • BBQ
07 August	
09:15-15:00	<ul style="list-style-type: none"> • Crash course in Norwegian
08 August	
09:15-15:00	<ul style="list-style-type: none"> • Crash course in Norwegian • International dinner
09 August	
09:15-12:00	<ul style="list-style-type: none"> • Crash course in Norwegian

Exact timing and places will be announced later!

Module 1/2024 – Geological Aspects of Western Norway



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Week 33: Providing the background

Introduction

12 August	08:15-10:00 10:00-12:00 12:00-15:00	02-15 Free 02-15	MP MP/MN/TD	Significance Semester opening Science Project: Introduction
13 August	09:15-15:00	02-15	MP/MG	Introduction geology and glacier course
14 August	Entire day	Sognefjell	TD/MG	Sognefjell glacier course
15 August	Entire day	Sognefjell	TD/MG	Sognefjell glacier course
16 August	10:00-13:00	02-15	MP	Introduction to limnology

Week 34: Starting in the mountains

Limnology

19 August	Entire day	Field	SS/MP	Austerdalen – sampling in river
20 August	Entire day	Field	MP/SS/MN	Hafslovatnet – sampling in lake
21 August	08:15-16:00	Bio- & Geolab	SS/MP	Lecture; analysing river and lake water samples
22 August	08:15-16:00	Bio- & Geolab	SS/MP	Lecture; analysing samples/preparing presentation
23 August	09:00-12:00	02-15	SS/MP	Evaluation: presentation limnology data

Week 35: The fjord realm

Fjord sediment sampling and case studies

26 August	09:15-15:00	02-15	MP	Fjord formation and processes; case study
27 August	09:15-15:00	Groups	MP/MN/TD	Science Project: Planning field & milestones
28 August	Entire day	Field	MP/MN/TD	Science Project: Field Årdalsfjorden - Utladalen
29 August	08:15-16:00	Lab/Groups	MP/MN/TD	Science Project: Start analysis
30 September	09:15-12:00	Groups	MP	Science Project: Milestone 1 – field; plan next steps

Week 36: Understanding regional geology

The Caledonian mountain chain

02 September	09:15-15:00	02-15	MP	Caledonian orogeny, minerals, rocks
03 September	09:15-15:00	02-15	MP	Devonian detachment, minerals, rocks
04 September	Entire day	Field	MP	Caledonian orogeny
05 September	Entire day	Field	MP	Devonian detachment
06 September	Deadline	Group	MP	Evaluation: Journal Caledonian mountain building

Week 37: Interpreting geological history

Geological mapping at Atløy

09 September	Entire day	Field	MP	Atløy geological history and mapping
10 September	Entire day	Field	MP	Atløy geological history and mapping
11 September	Entire day	Field	MP	Atløy geological history and mapping
12 September	Entire day	Field	MP	Exploring Atløy; writing journal
13 September	Deadline	Group	MP/MN	Evaluation: Journal Atløy geological history

Week 38: Geological aspects

Laboratory and evaluation

16 September	08:15-16:00		Lab/Groups	MP	Science Project ; exam preparation
17 September	14:00-15:00 15:00-18:00		02-15 Field	MN	Beach excursion introduction Beach excursion (including transport)
18 September	08:15-16:00		Lab/Groups	MP	Science Project ; exam preparation
19 September	09:00-13:00		Exam	MP	Multiple choice test 4 hours – 10ECTS
20 September	09:15-12:00		Groups	MP/MN/TD	Science Project: summary & plan next steps

Module 2/2024 – Glaciers and ecology



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Week 39: Introduction glaciers and ecology Glaciers and glacial landforms

23 September	09:15-12:00	02-15	TD	Introduction to glaciology and glacier ecology Glacier mass balance I
24 September	09:15-12:00 13:15-15:00	02-15	TD TD	Glacier mass balance II Mass-balance exercise
25 September	09:15-12:00	02-15	TD	Glacial landforms
26 September	Entire day (overnight trip)	Field	TD	Jostedal: Nigardsbreen and glacier foreland
27 September	Entire day	Field	TD	Jostedal: Fåbergbreen; Austdalsbreen calving glacier

Week 40: Free week Enjoy Norway

30 September	FREE			
01 October	FREE			
02 October	FREE			
03 October	FREE			
04 October	FREE			

Week 41: Glaciology Glacier mass balance and dynamics

07 October	09:15-12:00 Afternoon	02-15 Homework	TD	Glacier dynamics Paper assignment
08 October	09:15-12:00 Afternoon	02-15 Homework	TD	Glacier hydrology and thermal regime Paper assignment
09 October	09:15-12:00	02-15	TD	Online glacier model: glacier response to climate change
10 October	Entire day	Field	TD/KHS	Fjærland glacier museum, glacier-lake outburst flood
11 October	Entire day	Homework		Paper projects (group work)

Week 42: Glacial ecology Glacial ecosystems and glacier impact

14 October	14:15-16:00	02-15	TD/AH	Evaluation: Paper presentations and discussion
15 October	09:15-12:00	02-15	AH	Glacier ecosystems & bio-geochemistry
16 October	09:15-12:00	02-15	AH	Proglacial hydrology
17 October	09:15-12:00	02-15	AH	The role of glaciers for downstream ecosystems
18 October	10:15-12:00	02-15	TD/AH	Q&A session

Week 43: Glaciers and ecology Evaluation

21 October	Entire day	Homework		Exam preparation
22 October	Entire day	Homework		Exam preparation
23 October	Entire day	Homework		Exam preparation
24 October	09:00-13:00	Exam	TD	Written exam 4 hours – 10ECTS
25 October	09:15-12:00	Groups	MP/MN/TD	Science Project: summary & plan next steps

Module 3/2024 – Fjord processes



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Week 44: Fjord hydrography

Abiotic factors

28 October	09:15-13:00	02-15 02-15	MN	Introduction to the course Physical characteristics of fjords
29 October	10:15-12:00 12:15-13:00	02-15 02-15	MN	Currents and fjord circulation Paper seminar
30 October	10:15-12:00 12:15-13:00	02-15 02-15	MN	Ice, light, oxygen, and sound Paper seminar
31 October	12:15-14:00	02-15	MN	Microorganisms and primary producers; paper seminar
	14:00-18:00	Field		Beach excursion
01 November	10:15-12:00 12:15-15:00	02-15 02-15	MN	Fjord chemistry and nutrients. Seminar: Analyses of fjord hydrographic data, and data from the excursion

Week 45: Fjord biology

Fjord biodiversity and food webs

04 November	Entire day	Excursion	MN	Sogndal/Bergen – to be decided
05 November	Entire day	Excursion	MN	Sogndal/Bergen – to be decided
06 November	10:15-12:00 12:15-13:00	02-15 02-15	MN	Secondary producers and food webs Paper seminar
07 November	10:15-12:00 12:15-13:00	02-15 02-15	MN	Anthropogenic impacts and pollution Paper seminar
08 November	10:15-12:00 12:15-14:00	02-15 02-15	MN	Climate change and management Seminar
09 November	18:00	Individual	MN	Deadline "draft" blog text

Week 46: Fjordology

Evaluation

11 November	10:15-14:00	02-15	MN	"Blog café" and course evaluation (midway)
	20:00	Individual	MN	Deadline final blog text
12 November	Entire day		MN	Exam preparation
13 November	Entire day 12:15-13:00	02-15	MN	Exam preparation "Oracle hour"
14 November	Entire day		MN	Exam preparation
15 November	09:00-11:00	Exam	MN	Multiple choice 2 hours – 50% of 10ECTS

Week 47: Laboratory week

Finalisation of Science Project work

18 November	Entire day	Groups	MP,MN,TD	Science Project: finalising results
19 November	Entire day	Groups	MP,MN,TD	Science Project: finalising results
20 November	Entire day	Groups	MP,MN,TD	Science Project: finalising results
21 November	Entire day	Groups	MP,MN,TD	Science Project: finalising results
22 November	09:15-12:00	Groups	MP,MN,TD	Science Project: Milestone 2 - results

Week 48: Final excursion**Writing the Science Project report**

25 November	Entire day	Groups	MP,MN,TD	Science Project: writing the reports
26 November	Entire day	Groups	MP,MN,TD	Science Project: writing the reports
27 November	Entire day	Groups	MP,MN,TD	Science Project: writing the reports
28 November	Entire day	Groups	MP,MN,TD	Science Project: writing the reports
29 November	16:00	Exam	MP,MN,TD	Science Project Milestone 3 reports – 50% of 10ECTS

MN Marianne Nilsen, MP Matthias Paetzel

Week 49: Science project**Hoddevik & Science Project Seminar**

02 December	Entire day	Field	MP	Hoddevik
03 December	Entire day	Field	MP	Kråkenes fyr
04 December	Entire day	Groups	MP,MN,TD	Science project: seminar preparation
05 December	Entire day	Groups	MP,MN,TD	Science project: seminar preparation
06 December	09:00-13:00	Josten	MP,MN,TD	Science project: seminar

Week 50: Public seminar**Final presentation and final event**

09 December	Administration			Signatures; preparing the final event
10 December	18:30-open end	Cantina/Lagshytta	MP, all	FINAL EVENT*
11 December	Official last day			End of From Mountain to Fjord 2024
12 December				
13 December				

***Final event 2024**

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Week 50: Tuesday 10 December**Final event**

All "From Mountain to Fjord" students, associated buddies, teachers, and staff are invited to the traditional "Final Event"	
Where	Cantina main building
When	10 December at 18:30h (6:30pm)
Schedule	18:30-19:00 Aperitif 19:00-20:30 Christmas dinner 20:30-21:45 The Final Lecture 21:45-22:15 Christmas desert 22:15-22:45 Presentation of the diplomas Official closure of From Mountain to Fjord 2024 From 22:45 Lagshytta: Final party to be organised by the students: being together, memorizing, showing pictures, quiz, showing videos, singing, dancing, whatever you like

MG Marthe Gjerde, MN Marianne Nilsen, MP Matthias Paetzel, SS Stefan Stoll, TD Thorben Dunse