

Welcome to Master of Fluid Mechanics

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How many do not speak Norwegian?

You are required to understand English.

You are not required to understand Norwegian.

How many on each direction?

Relevant directions for fall admission:

- Fluidmekanikk : EMS
- Fluidmekanikk : BMM
- CS : MECH
- CS : AMRA

(students on CS:AMRA may want to work on problems from Fluid Mechanics?)

- PPU-master : Matematikk : Mekanikk

(Profesjonsrettet master med integrert praktisk-pedagogisk utdanning)

Relevant directions with spring admission:

- Lektor : Realfag : Mekanikk

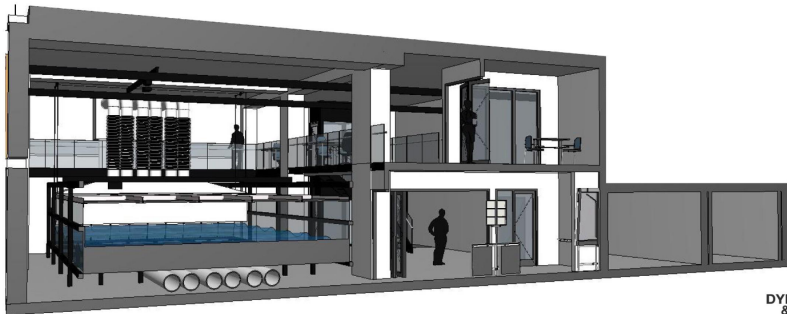
Old laboratory — pipe flow



Old laboratory — wave flume

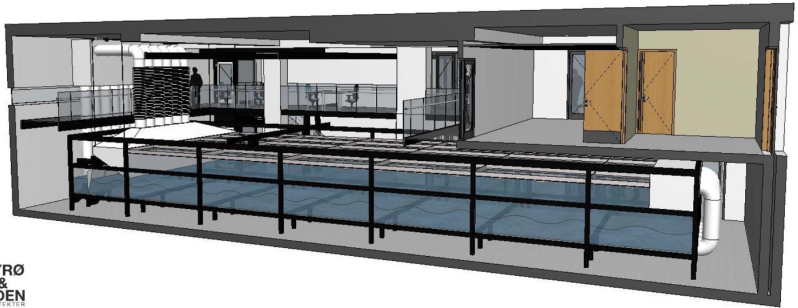


New laboratory with wave basin



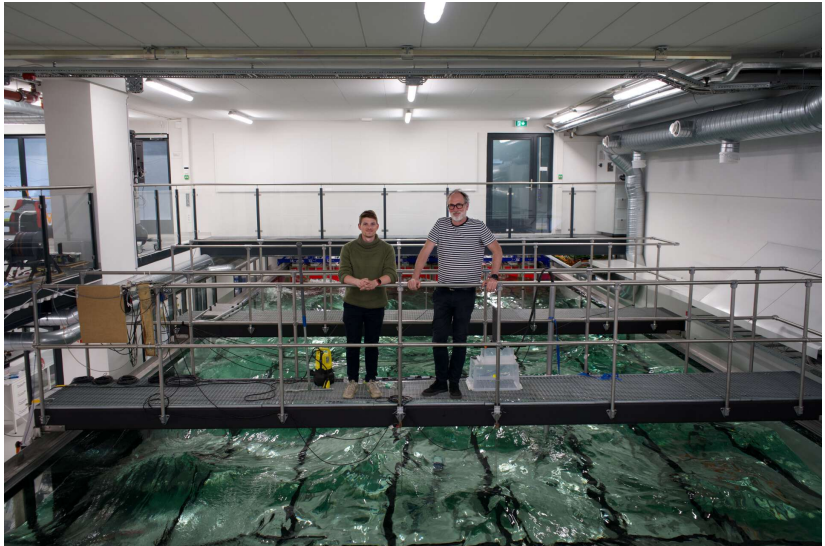
DYRØ
&
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ARKITEKTER

New laboratory with wave basin

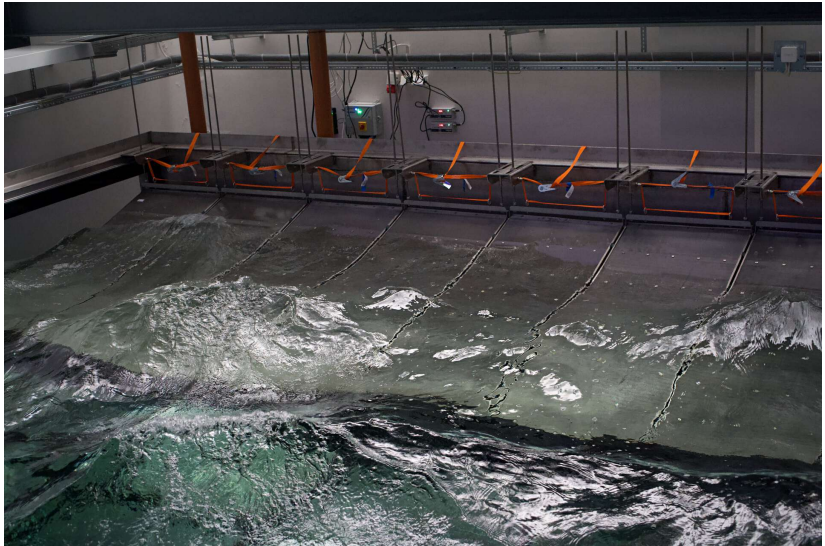


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&
MOEN
ARKITEKTER

New laboratory with wave basin



New laboratory with wave basin



We are also numerical and theoretical

We do everything!

Mandatory courses — for CS only

The CS-programme has two mandatory courses.
These can be chosen among the following:

- IN4200 – High-Performance Computing and Numerical Projects
- FYS-STK4155 – Applied Data Analysis and Machine Learning
- MAT4110 – Introduction to Numerical Analysis
- MAT-MEK4270 - Numerical methods for partial differential equations

The programme web pages have not yet been updated:

MAT-MEK4270 will be added to the list
as replacement for or alternative to MAT4110 (?)

Two different lengths of thesis

You decide between long or short thesis:

- Long thesis (60 stp) can be distributed between the four semesters.
- Short thesis (30 stp) must be done the last semester.

Course curriculum

- For long thesis you need 60 stp course curriculum.
- For short thesis you need 90 stp course curriculum.

Currently we are not able to teach 90 stp master courses with MEK code. We are almost not able to teach 60 stp master courses with MEK code. Which other alternatives are appropriate for you? Is a short thesis feasible for you?

Exchange to UNIS (Svalbard)



Exchange to UNIS (Svalbard)

- You have the option of going to UNIS during your master.
- You will typically stay there for a shorter period in order to take courses intensively. Best suited for a semester when you are not taking courses at UiO.
- You will likely take courses with code AE, AGF, AS or AT. For example:
 - AT-305 Frozen Ground Engineering for Arctic Infrastructures: 7/1–27/2 2026
 - AT-311 Sea Ice Mechanics and Physics: 2/3–17/4 2026
 - AT-332 Physical Environmental Loads on Arctic Coastal and Offshore Structures: 9/11–18/12 2026
 - AT-334 Arctic Marine Measurements Techniques, Operations and Transport: 10/8–25/9 2026
- You are not allowed to take full-semester courses your last semester, but you are allowed to take an intensive course at UNIS early during your last semester if you take a long thesis.

You may have been admitted with minimal background

- You may want to take bachelor-level courses as part of your master curriculum.
- Students in the master programmes Fluidmekanikk and CS:Mechanics can include up to 20 credits bachelor courses at 3000-level of any course code, or at 2000- and 3000-level from MAT/MEK/STK course codes.
- In order to sign up for 2000- and 3000-level courses you need study right at bachelor level, which requires diploma from Norwegian High School or B2-level in Norwegian.
- If you do not have study right at bachelor level, and you want to take bachelor courses, look for clones:
MEK3230 = MEK4230
- If you do not have MEK2200, and you need such background, you may sign up for MEK4020

Should you take MEK4020 (similar to MEK2200) — “Continuum Mechanics” this fall?

- If you have been admitted to Fluidmekanikk:BMM or CS:MECH it is assumed that you have this already. You cannot take it now.
- If you have been admitted to Fluidmekanikk:EMS you may not have such background. If you think you need it, please consult with Ira or Karsten who can advise you about the status of your admission and evaluation of your background.

In that case:

- If you have study right at Bachelor level, take MEK2200
- If you do not have study right at Bachelor level please consult with Ira or Karsten who can advise you about how to register for MEK4020.

Should you take MEK4230 = MEK3230 — “Fluid Mechanics” this fall?

If you do not have this background from earlier, it may be recommendable!

Please consult with Ira or Karsten who can advise you about the status of your admission and the evaluation of your background.

How do you select your master supervisor?

- Look at our web pages! Links on next page.
- Talk to us! Here are some questions you should ask:
 - How busy are we? How many students do we already have?
 - How much spare time do we have for you?
 - Will we delegate the supervision of you to someone else?
 - Can we delegate the supervision of you to someone else?
 - Do we offer individual or group supervision?
 - Location:
 - Will we be at UiO or somewhere else?
 - Will you be at UiO or somewhere else?
 - Theoretical/numerical/experimental/laboratory/field?

Supervisors:

Permanently employed at [Section for Mechanics](#)
(sorted by last name)

- [Andreas Carlson](#)
- [Irina Didenkulova](#)
- [John Grue](#)
- [Atle Jensen](#)
- [Kent-Andre Mardal](#)
- [Mikael Mortensen](#)
- [Karsten Trulsen](#)

Professor II — temporarily at [Section for Mechanics](#)

- [Tor Anders Nygård](#)

Submit your master agreement by December 1st

Enjoy your master studies at the Section for Mechanics!