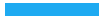


NORWAY Summer School Class Schedule (as of April 7, 2024)

Please note that this schedule is subject to change without prior notice.

Saturday, August 10th: Arrival Day in Trondheim
Sunday, August 11th: Orientation, Welcome Lunch
Week 1 Introduction, Marine Structures & Hydrodynamics
<ol style="list-style-type: none">1. Welcome session, introduction to ocean space, sea of opportunities.2. Marine structures design principles.3. Short course on presentation skills.4. Insights of Norwegian culture.5. Marine dynamics fundamentals.6. Hydrodynamic fundamentals.7. Aquaculture8. Fossen Wind Farm Visit9. Tråsåvika Camping10. A° lesund Visit
Week 2 Norwegian Marine Industry Visit
<ol style="list-style-type: none">1. NTNU A° lesund Campus Visit2. Industry visit (Shipyards, Engineering Companies)3. Geiranger visit4. Farm/Forest hiking
Week 3 Offshore Wind & Green Shipping
<ol style="list-style-type: none">1. Offshore wind turbine: integrated analysis2. Introduction to digital twin3. Guest lecture, EU project energy islands4. Presentation by PhD students on offshore wind5. Model test, visit of SINTEF Ocean labs6. Green shipping, hybrid7. Visiting NTNU autonomous pilot ferry8. Green shipping, alternative fuels9. Travel to Røros
Week 4 Subsea Engineering & Autonomous Vessels
<ol style="list-style-type: none">1. Marine Operations2. Guest lecture on subsea engineering3. Design of risers, pipelines and umbilical4. Design of risers, pipelines and umbilical (exercise)



5. Design and operation of underwater vehicles (ROV, AUV)
6. AUR Lab visit, excursion with NTNU research vessel Gunnerus,
7. Autonomous ship
8. Individual Presentations
9. Closing dinner

Saturday, September 7th: Trondheim Marathon/Farewell Lunch

Sunday, September 8th:Hotel Check-out