**NM439 – High Performance Sailing Yachts, Autumn 2017**

**Accomplishments**

* Performed well in the final exam, 89/100 as the final grade
* Reflected on course content actively in lectures and seminars
* Participated in tutorial sessions actively and analysed, discussed course-related contents and exercises
* Demonstrated well understanding of all sub-systems through all exercises
* Mastered two curricular design projects
  + Project I: Velocity Prediction Program – Hydrodyamic Modelling
    - Explored and examined the performance of a sailing yacht in resistance point of view
    - Studied the basic calculations and fundamental rules in drag analysis
    - Constructed and experimented this behaviour of a sailing boat in Excel
  + Project II: Aerodyamic analysis and VPP integration
    - Evaluated and inspected the performance of a wind sail in aerodynamic view
    - Investigated and surveyed the power requirement for a sailing boat
    - Designed and integrated the simulation model in Excel
* Overall, dedicated a self-motivated research work ethic, led to strong academic performance, anticipated to devote more in scientific researches

**Master study accomplishment**

* Accomplished the 1st year master study at NTNU and A/A overall grade gained
* Aiming to apply for Ph.D. program