

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 – Hydrodynamic 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: Aerodynamic 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