



PARTNERS ACADEMIC SUMMER SCHOOL 2025

Syllabus for Marine Engineering & Naval Architecture

Subject Area

This syllabus is for PARTNERS applicants seeking to progress to the degrees of:

H515 BEng Honours Naval Architecture and Marine Engineering

H517 MEng Honours Naval Architecture and Marine Engineering

Aims

To allow students to demonstrate their potential to succeed in specified degree programmes by showing a grasp of entry-level subject-specific knowledge, understanding, cognitive and subject-specific skills.

Learning Outcomes

A good knowledge and understanding of ...

- General Understanding of experimental testing with regards to Ship stability and how theory is applied in physical model testing.

The ability to apply this knowledge and critical understanding to...

- Through experimental testing in the hydrolab. They will write a reflective logbook of their approach to the problem, the process of experimental testing, their results and potential optimisation of their work in the future.

Competence in...

- Experimental measurement, analysing the results, numerical calculations, physical prototype design and building, report writing skills.
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Summer School Syllabus

Content:

1. Introduction to Naval Architecture and Marine Engineering projects
2. Example lecture in Naval Architecture and Marine Engineering
3. Experimental testing and prototype design relating to Naval Architecture

Teaching Methods:

1. Lecture
2. Practical session
3. report writing in the PC cluster

Purpose/Objectives:

1. Experiencing university style lecture within the Context of Naval Architecture and Marine Engineering
 2. Trying out experimental testing and realising its importance in applying theory into practice
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Activities for Personal Study

To be confirmed by strand leader during the week.

On-Campus Teaching:

Wednesday 2nd July (PM), Thursday 3rd, Friday 4th July

Online Teaching:

Monday 30th June, Tuesday 1st July

Formative Assessment Details

Individual report / reflective log of the activities carried out during the week.
Further details will be provided during the summer school.

Hand-in Method

Digital

Assessment deadline

Monday 7th July