



DIGITAL SOLUTIONS

NAUTICUS HULL RULE CHECK ANALYSIS

Course code: NA-02

Duration: 2 days

Prerequisite:

Basic understanding of ship structures and hull strength.

DESCRIPTION

The course is an introduction to the Nauticus Hull program for rule compliance checks on hull girder strength, and plate and stiffener scantling checks for a hull cross section. The main focus is on cross-section modeling and analysis executions. The course covers how to use the software for DNV Rules, DNV GL Rules and Common Structural Rules for Bulk Carriers and Oil Tankers (CSR BC & OT).

LEARNING OBJECTIVES

After the course, you should be able to use Nauticus Hull to carry out compliance checks on the hull girder and cross sections according to rule requirements

The following topics will be covered:

- Describing ship particulars and main data
- Describing tank plan, compartments and loads
- Scantling modelling
- Prescriptive rule check analysis
- Fatigue analyses
- Results presentation

Most of the procedures and methodology are common for all sets of rules. Where there are differences, the course will cover the alternatives for rules that are relevant for the participants.

TARGET GROUP

Naval architects, designers, hull structural engineers and approval engineers with no experience in using Nauticus Hull for rule check analysis.