

ABOUT THE COURSE

This course will deal with the first principle design of ship structures. Advanced analysis procedures for the design of beams and plates (80% of ship structures are made up of plates) will be dealt with. The ultimate strength of hull girders will be given based on progressive collapse analysis and also a simplified procedure. Finally, the common structural rules for the design of the hull girders will also be given.

WHO SHOULD ATTEND

Engineers and scientists involved in the design of ships and ship systems. Personnel from ship management companies, oil companies, classification societies and ship builders will benefit from attending this course. The course is innovative in both content & structure with a careful balance of theory & practice.

design, assessment and management of a wide range of engineering structures will also benefit from this course.

COST

The registration fee of the workshop will be £650 + VAT (UK only) which includes course notes and lunches. You should make your own arrangements for accommodation.

PAYMENT

Payments can be made by cheque (made payable to ASRANet Ltd.), cash or bank transfer. Please enquire for details.

VENUE

George Square Ltd
St Georges Building
3rd Floor
5 St Vincent Place
Glasgow, G1 2DH

NOTE

Please do not make your travel arrangements until you receive an Invoice from us.

CONTACT

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Advanced Design of Ship Structures (Includes Common Structural Rules)

8-9 October 2018
Glasgow, UK

The ASRANet logo features the word "ASRANet" in a bold, yellow, sans-serif font. The letters are slightly irregular and have a hand-drawn feel. The logo is set against a dark blue rectangular background.

PROGRAMME

Monday 8th October 2018

09.00 - 10.30 Lecture 1: Overview of Ship Structure Design.
Prof Purnendu Das

10.30 - 10.45 *Break*

10.45 - 12.15 Lecture 2: Analysis and Design of Columns and Beam Columns, Design Codes.
Prof Purnendu Das

12.15 -13.30 *Lunch*

13.30 – 15.00 Lecture 3: Analysis and Design of Unstiffened and Stiffened Steel Plates, Design Codes - I.
Prof Purnendu Das

15.00 - 15.30 *Break*

15.30 - 17.00 Lecture 4: Analysis and Design of Unstiffened and Stiffened Steel Plates, Design Codes – II.
Prof Purnendu Das

Tuesday 9th October 2018

09.00 - 10.30 Lecture 5: Tutorial on Columns and Plated Structures.
Prof Purnendu Das

10.30 - 10.45 *Break*

10.45 - 12.15 Lecture 6: Hull Girder Strength – I.
Prof Purnendu Das

12.15 -13.30 *Lunch*

13.30 - 15.00 Lecture 7: Reliability Based Design & Code Development.
Prof Purnendu Das

15.00 - 15.30 *Break*

15.30 - 17.00 Lecture 8: Common Structural Rules and Tutorial on Reliability.
Prof Purnendu Das