

# BASIC STABILITY & TRIM

07A BST

SHIP & CARGO HANDLING



*The future of  
world class  
seafarers*

This course is designed for both Junior and Senior Deck Officers and covers IMO requirements with respect to the understanding of principles of stability. The course focuses on the simplest theory and practicable method and form of calculations.

**COURSE AIMS & OBJECTIVES:** For all intents and purposes, the course aims to provide knowledge and aptitude that shall enable participant to practically calculate and determine ship's stability to facilitate safe and efficient loading of cargoes and ship voyage. Further, the program structure relatively adheres with objectives prescribed in IMO Model Course 1.17.

**COVERAGE / PROGRAM FOCUS:** Emphasis of instruction deals with the following subject areas:

- Displacement
- Buoyancy
- Fresh Water Allowance
- Statical Stability
- Angle of Roll
- Center of Gravity
- Center of Flotation
- List and their Correction
- Stability Calculation
- Trim
- Shearing Forces and Bending Moments

**METHOD:** Classroom lectures reinforce with problem-solving and case exercises. CBT shall be use as appropriate.

**ENTRY REQUIREMENT / TARGET GROUP:** Entry to this course is open to Deck Officers of all ranks.

**COURSE CERTIFICATE:** A Certificate of Completion is given to each participant who satisfactorily fulfills the Course.

**DURATION:**

1 Week

(5 Days: 0830H – 1600H)

**SCHEDULE:**

This course shall be conducted only upon request with minimum of five (5) participants.

**COURSE**

**CONTRIBUTION:**

USD 394.00

(NSA Member)

USD 436.00

(Non-NSA Member)

*Inclusive of course  
materials/handout*



**Register**

ADDRESS: Norwegian Training Center-Manila Gate 2 TESDA Complex, East Service Road, Taguig City, Philippines 1634  
TRUNKLINE NO: (632) 812-07-42 | FAX NO: (632) 812-67-28 | WEBSITE: [www.ntcm.com.ph](http://www.ntcm.com.ph) | EMAIL: [ntcm.registrar@ntcm.com.ph](mailto:ntcm.registrar@ntcm.com.ph)