

## 2.18 30218 SHIP DRAWING & CALCULATIONS

### UNIT-1

Cross curves of stability Calculation and drawing cross curves of stability, calculation of initial meta-centric height, dynamical stability.

### UNIT-2

Mid ship section calculations & drawing Calculation of hull girder section modules, check on mid-ship section modulus, stresses induced on deck and keel. Bulkhead drawing.

### UNIT-3

Flooding calculations Calculation on subdivision, and floodable length, drawing of floodable length curves.

### UNIT-4

Strength curves longitudinal strength calculation, cargo and hull weight distribution, load curve, shear Force and bending moment diagrams.

### Reference Books:

1. Basic Ship Theory Vol.1 & 2 BY Rawson, K.J. & Tupper.
2. Principles of Naval Architecture BY Edward V. Lewis

