

## **OE2013:SHIP DRAWING AND CALCULATIONS**

### **Course Content:**

Introduction to Engineering drawing and graphics. Construction of plane curves. Coordinate system-projection of lines and planes. Projection of right regular solids. Section and intersection of solids and development of surfaces; Systems of projections-principles, conventions and applications of orthographic and isometric projections. Dimensioning principles and conventional representations. Drawing and faring of lines plan from supplied offset data; Calculations for launching, subdivision, damage stability, trim and stability booklet, sounding tables.

### **Text Books:**

1. **Rawson, K.J and Tupper, E.C.** Basic Ship Theory, B&H, 2001
2. **E. C. Tupper**, Introduction to Naval Architecture, Butterworth-Heinemann, 2013.
3. **N. D. Bhat**, Engineering drawing, Charotar publishing house Pvt. Ltd, 2019

### **Reference Books:**

1. **Lewis,E.U**, Principles of Naval Architecture,Vol.1, SNAME, New Jersey, U.S.A, 2010.
2. **Thomas Lamp**: Ship Design and Control Vol I & II, SNAME.

### **Prerequisite:**