

MODULES



Here is the schedule of modules and sessions.

MODULE 1: TERMINOLOGY

- Session 1** Introduction
- Session 2** Terminology

MODULE 2: DIMENSIONS, WEIGHTS & FORCES

- Session 1** Gravity & Forces
- Session 2** Laws of Newton & Archimedes
- Session 3** Principle of Moment
- Session 4** Wind & Water Force

MODULE 3: HEAVY TRANSPORT

- Session 1** Transporters & Trailers
- Session 2** Principle Working (1)
- Session 3** Principle Working (2)
- Session 4** The Stability Area (Plan View)
- Session 5** 3 & 4 Point Suspension
- Session 6** The Equalizing Effect
- Session 7** The Stability Area (Side View)
- Session 8** Pull Type & SPMT Capacities
- Session 9** The Differences Are Getting Smaller
- Session 10** Steering Capabilities
- Session 11** Naming Conventions
- Session 12** The Goose Neck
- Session 13** Ground Pressures
- Session 14** Pull Force/ Tractive Effort
- Session 15** Hydraulic & Structural Stability (1)
- Session 16** Hydraulic & Structural Stability (2)
- Session 17** Dolly Transport (Turn Tables)
- Session 18** Long Load Vehicles

MODULE 4: HEAVY LIFTING

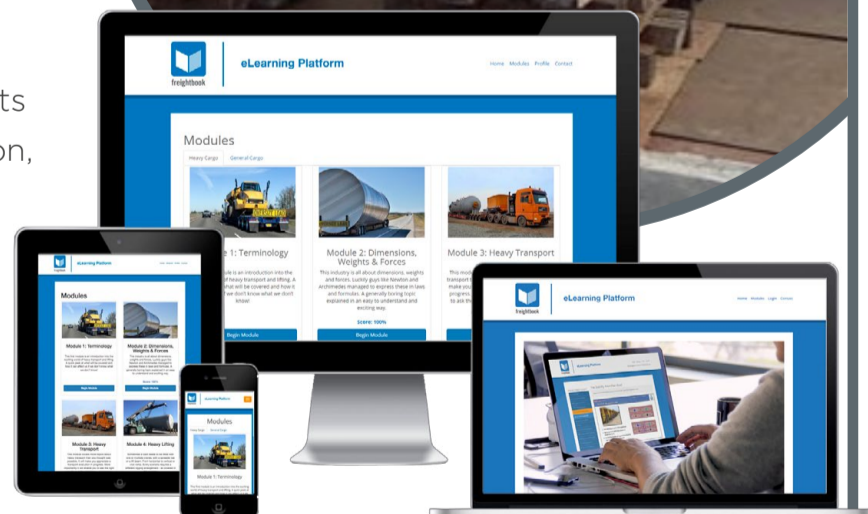
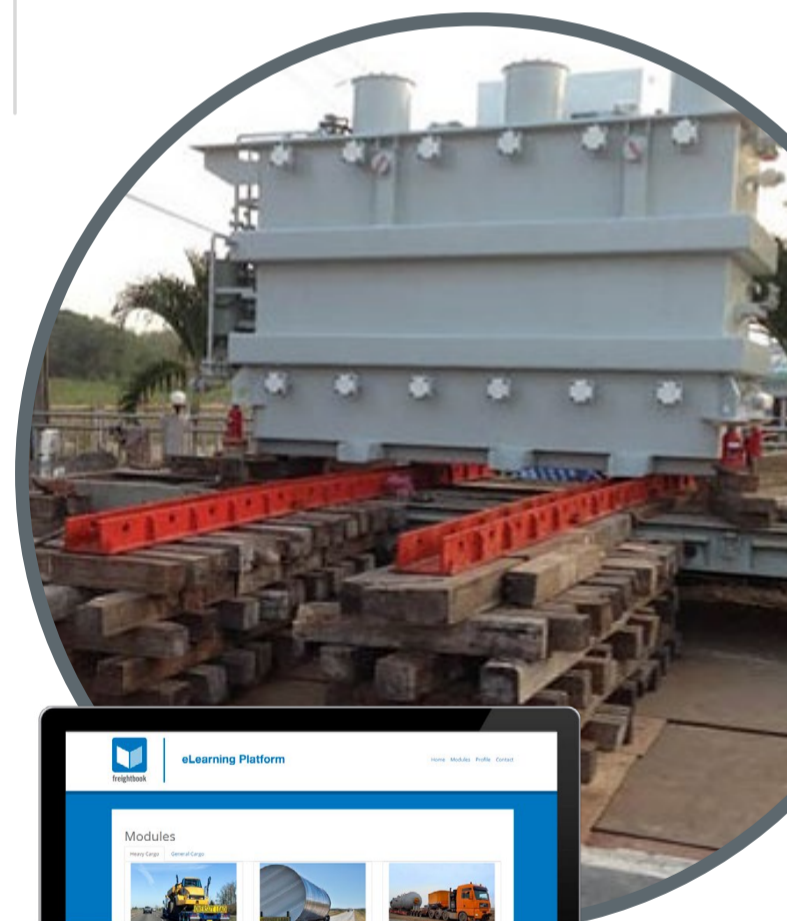
- Session 1** Types Of Cranes
- Session 2** What Is A Crane (Principle Of The Lever)
- Session 3** Principle Of The Hoist
- Session 4** The Load Chart
- Session 5** Types Of Lifts (Keeping The Load Level)
- Session 6** Lifting With 2 Cranes
- Session 7** Tailing Arrangements
- Session 8** The Tailing Frame
- Session 9** Ground Pressures
- Session 10** Load Spreading Options
- Session 11** Rigging Forces (1)
- Session 12** Rigging Forces (2)
- Session 13** Spreader Bars and Lift Beams
- Session 14** A Complex Lift Made Easy
- Session 15** Super Lift Attachments
- Session 16** Stability Of The Load
- Session 17** Erecting Wind Mills
- Session 18** The Lift Plan

MODULE 5: JACKING & SKIDDING

- Session 1** Types Of Jacking Skidding Methods
- Session 2** Jack & Pack
- Session 3** Climbing Jacks
- Session 4** Strand Jacks
- Session 5** Strand Jack Applications
- Session 6** What Is Skidding, Skidding Components
- Session 7** Coefficient Of Friction, Different Materials
- Session 8** Hydraulic Skid Shoe
- Session 9** Hilman Rollers
- Session 10** Hydraulic Gantry (1)
- Session 11** Hydraulic Gantry (2)
- Session 12** Airbags

MODULE 6: LOAD OUTS

- Session 1** Types of Barges
- Session 2** Background History
- Session 3** Terminology
- Session 4** Barge Stability
- Session 5** Hydrostatic Particulars
- Session 6** Tides
- Session 7** 5 Types of Load-Out Operations
- Session 8** Type 1: Free Floating Barge, Tidal Conditions
- Session 9** Type 2: Free Floating Barge, Non-Tidal Conditions
- Session 10** Type 3: Steel Plates, Non-Tidal Conditions
- Session 11** Type 4: Barge Fixed Aground
- Session 12** Type 5: Beach Landing



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