

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 & WaterForce

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** GroundPressures
- Session 14** Pull Force/ TractiveEffort
- 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

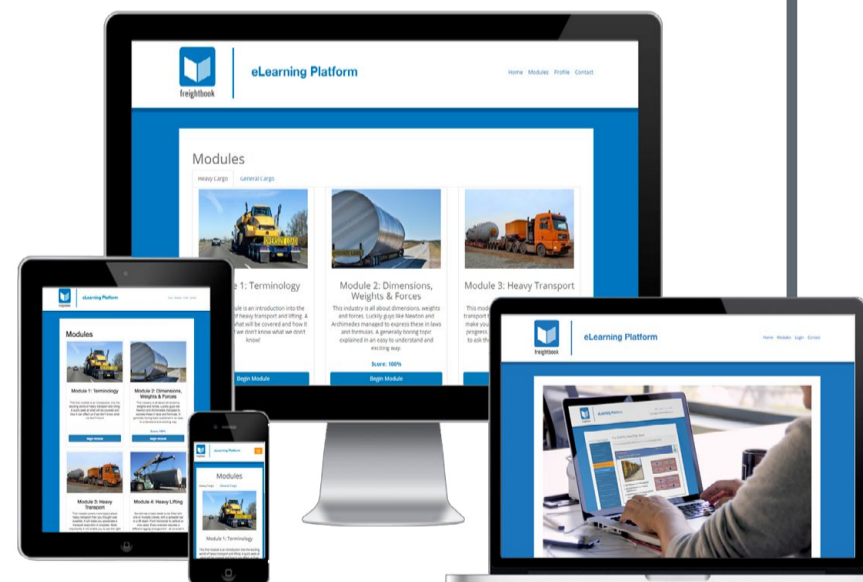
- Session 1** Types Of Jacking Skidding Methods
- Session 2** Jack & Pack
- Session 3** Climbing Jacks
- Session 4** Strand Jacks
- Session 5** Strand Jack Applications
- Session 6** What Is Skidding, Skidding Components
- Session 7** Coefficient Of Friction, Different Materials
- Session 8** Hydraulic 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

ADVANCED MODULE

- Session 1** Introduction to Center of Gravity
- Session 2** Stability of Hydraulic Transporters
- Session 3** Stability of Mobile Cranes
- Session 4** Stability of the Load to be Lifted
- Session 5** Stability of Ships and Barges



We identified a lack of technical and specialist training in the heavy lift transport sector and invested in both professional training from an industry expert and a bespoke eLearning Platform. As well as being used by companies in over 50 countries, Kuehne+Nagel, Bertling Logistics, DB Schenker, DSV Panalpina, and DHL have all signed up their staff for the comprehensive training. We thrive on innovation, but what truly drives us is the opportunity to provide our customers with valuable benefits that can significantly enhance their business. Therefore, in 2024 we are proud to launch an Advanced Module: Stability. The complete training costs just **£500** per user and upon completion, an e-Certificate is sent via email which can be shared immediately so that the user can verify the training to clients and officials quickly and easily. If you would like to proceed, please email wendy@freightbook.net