

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Ocean Engineering - Hydrostatics and Stability

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction  
Lecture 2 - Archimedes Principle  
Lecture 3 - Archimedes Principle (Continued...)  
Lecture 4 - Numerical Integration  
Lecture 5 - Problems in Stability - I  
Lecture 6 - Problems in Stability - II  
Lecture 7 - Problems in Stability - III  
Lecture 8 - Problems in Integration  
Lecture 9 - Free Surface Effect  
Lecture 10 - Inclining Experiment  
Lecture 11 - Hydrostatic Curves - I  
Lecture 12 - Hydrostatic Curves - II  
Lecture 13 - Stability Curve  
Lecture 14 - Dynamical Stability - I  
Lecture 15 - Dynamical Stability - II  
Lecture 16 - Heeling Moment - I  
Lecture 17 - Heeling Moment - II  
Lecture 18 - Heeling Moment - III  
Lecture 19 - Dynamical Stability - III  
Lecture 20 - Discussion  
Lecture 21 - Righting Stability - I  
Lecture 22 - Righting Stability - II  
Lecture 23 - Trim Calculations - I  
Lecture 24 - Trim Calculations - II  
Lecture 25 - Trim Stability - I  
Lecture 26 - Trim Stability - II  
Lecture 27 - Dry Docking - I  
Lecture 28 - Dry Docking - II  
Lecture 29 - Bilging - I

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- Lecture 30 - Bilging - II
- Lecture 31 - Bilging - III
- Lecture 32 - Bilging - IV
- Lecture 33 - Safety Regulations
- Lecture 34 - Safety Regulations (Continued...)
- Lecture 35 - Safety Regulations (Continued...)
- Lecture 36 - Ship Stability on Waves
- Lecture 37 - Ship Stability on Waves (Continued...)
- Lecture 38 - Ship Stability on Waves (Continued...)
- Lecture 39 - Wave Theory
- Lecture 40 - Conclusion