

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

NPTEL Video Course - Ocean Engineering - NOC:Offshore Structures Under Special Loads Including Fire Resistance

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Co-ordinating Institute - IIT - Madras

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

- Lecture 1 - Introduction
- Lecture 2 - Novelty of fixed platforms
- Lecture 3 - Novelty of compliant platforms
- Lecture 4 - Novelty of floating platforms
- Lecture 5 - New generation offshore platforms - I
- Lecture 6 - New generation offshore platforms - II
- Lecture 7 - Offshore Triceratops
- Lecture 8 - Offshore Regasification platforms
- Lecture 9 - Environmental loads - I
- Lecture 10 - Environmental loads - II
- Lecture 11 - Wind loads
- Lecture 12 - Ice loads - I
- Lecture 13 - Ice loads - II
- Lecture 14 - Response spectrum - I
- Lecture 15 - Response spectrum - II
- Lecture 16 - Uncertainties
- Lecture 17 - Earthquake loads - I
- Lecture 18 - Earthquake loads - II
- Lecture 19 - Earthquake loads - III
- Lecture 20 - General design requirements
- Lecture 21 - Impact and Non-impact wave loads - I
- Lecture 22 - Impact and Non-impact wave loads - II
- Lecture 23 - Unsymmetrical bending - I
- Lecture 24 - Unsymmetrical bending - II
- Lecture 25 - Unsymmetrical bending - III
- Lecture 26 - Shear centre - I
- Lecture 27 - Shear centre - II
- Lecture 28 - Shear centre - III
- Lecture 29 - Shear centre - IV

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- Lecture 30 - Curved beams - I
- Lecture 31 - Curved beams - II
- Lecture 32 - Curved beams - III
- Lecture 33 - Curved beams - IV
- Lecture 34 - Curved beams - V
- Lecture 35 - Rings and chain links - I
- Lecture 36 - Rings and chain links - II
- Lecture 37 - Marine risers
- Lecture 38 - Marine risers under VIM
- Lecture 39 - Fire safety overview
- Lecture 40 - Explosion - I
- Lecture 41 - Explosion and fire protection - I
- Lecture 42 - Explosion and fire protection - II
- Lecture 43 - Blast Resistance - I
- Lecture 44 - Blast Resistance - II
- Lecture 45 - Blast Resistance - III
- Lecture 46 - Blast Resistance - IV
- Lecture 47 - Material Strength - I
- Lecture 48 - Material Strength - II
- Lecture 49 - Material Strength - III
- Lecture 50 - Fire resistant design overview
- Lecture 51 - Types of fire
- Lecture 52 - Design Approach - I
- Lecture 53 - Design Approach - II