

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

NPTEL Video Course - Ocean Engineering - NOC:HSE for offshore and petroleum engineers-Practices

Subject Co-ordinator - Dr. Srinivasan Chandrasekaran

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Introduction  
Lecture 2 - Drilling Operation and Consequences  
Lecture 3 - Drilling Accidents  
Lecture 4 - Oil Spills  
Lecture 5 - Ecological Monitoring  
Lecture 6 - Pollution Modeling - I  
Lecture 7 - Pollution Modeling - II  
Lecture 8 - Pollution Modeling - III  
Lecture 9 - Hazard Management  
Lecture 10 - Introduction  
Lecture 11 - HSE Practices  
Lecture 12 - Lessons learnt from accidents  
Lecture 13 - HSE guidelines  
Lecture 14 - HSE lessons  
Lecture 15 - Risk Assessment - I  
Lecture 16 - Financing Risk  
Lecture 17 - Financing Risk Example Problem  
Lecture 18 - Risk Assessment and Accident Analysis  
Lecture 19 - Accident analysis  
Lecture 20 - Hazard assessment - I  
Lecture 21 - Hazard Analysis - I  
Lecture 22 - Hazop - I  
Lecture 23 - Hazop - II  
Lecture 24 - Hazop - III  
Lecture 25 - Hazop - IV  
Lecture 26 - Hazop - V  
Lecture 27 - Hazop (Case study)  
Lecture 28 - Accidents in offshore platforms  
Lecture 29 - Hazard Control

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- Lecture 30 - FMEA
- Lecture 31 - FMEA Example
- Lecture 32 - FMEA Example - II
- Lecture 33 - Excercises
- Lecture 34 - Dose Response Assessment
- Lecture 35 - Flammability characteristics
- Lecture 36 - Flammability diagram
- Lecture 37 - Explosions
- Lecture 38 - Chemical Explosions
- Lecture 39 - Fire and Explosion Prevention - I
- Lecture 40 - Explosion and Prevention
- Lecture 41 - Fire Prevention Practices
- Lecture 42 - Industrial Hygiene control
- Lecture 43 - Chemical Risk Analysis
- Lecture 44 - Chemical Risk Analysis - II
- Lecture 45 - CEI - Examples
- Lecture 46 - QRA Application
- Lecture 47 - Hazard Identification Practices
- Lecture 48 - Risk in Marine Systems - I
- Lecture 49 - Risk in Marine Systems - II
- Lecture 50 - Safety measures in design and operation
- Lecture 51 - Safety measures in design and operation - II
- Lecture 52 - Safety factors for confined spaces - I
- Lecture 53 - Safety practices for confined spaces - II
- Lecture 54 - Safety practices for Fire protection
- Lecture 55 - Process safety management