

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

NPTEL Video Course - Civil Engineering - NOC:Energy Efficiency, Acoustics and Daylighting in Building

Subject Co-ordinator - Dr. B. Bhattacharjee

Co-ordinating Institute - IIT - Delhi

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

Lecture 1 - Introduction to Environmental Factors - 1  
Lecture 2 - Introduction to Environmental Factors - 2  
Lecture 3 - Introduction to Environmental Factors - 3  
Lecture 4 - Introduction to Environmental Factors - 4  
Lecture 5 - Introduction to Environmental Factors - 5  
Lecture 6 - Introduction to Environmental Factors - 6  
Lecture 7 - Introduction to Environmental Factors - 7  
Lecture 8 - Comfort and Heat Transfer Concepts  
Lecture 9 - Heat Flow in Buildings - 1  
Lecture 10 - Heat Flow in buildings - 2  
Lecture 11 - Heat Flow in buildings - 3  
Lecture 12 - Admittance Method - 1  
Lecture 13 - Admittance Method - 2  
Lecture 14 - Heat Flow in buildings - 1 (Frequency Domain)  
Lecture 15 - Heat Flow in buildings - 2 (Frequency Domain)  
Lecture 16 - Heat Flow in buildings - 2 (Frequency Domain)  
Lecture 17 - Heat flow in buildings  
Lecture 18 - Admittance Method  
Lecture 19 - Comfort - 1  
Lecture 20 - Comfort - 2  
Lecture 21 - Comfort and Thermal Design of Buildings - 1  
Lecture 22 - Comfort and Thermal Design of Buildings - 2  
Lecture 23 - Comfort and Thermal Design of Buildings - 3  
Lecture 24 - Thermal Design of Unconditioned Building  
Lecture 25 - External Shading Multipliers for external suns shading  
Lecture 26 - Passive Concepts  
Lecture 27 - Design for Thermal Efficiency  
Lecture 28 - Ventilation - 1  
Lecture 29 - Ventilation - 2

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- Lecture 30 - Natural ventilation design
- Lecture 31 - Noise and Acoustic Fundamentals - 1
- Lecture 32 - Noise and Acoustic Fundamentals - 2
- Lecture 33 - Noise and Acoustic Fundamentals - 3
- Lecture 34 - Noise and Acoustic Fundamentals, Noise Outdoors
- Lecture 35 - Noise outdoors
- Lecture 36 - Sound within enclosure - 1
- Lecture 37 - Sound within enclosure - 2
- Lecture 38 - Sound within enclosure - 3
- Lecture 39 - Sound within enclosure - 4
- Lecture 40 - Sound within enclosure - 5
- Lecture 41 - Sound within enclosure - 6
- Lecture 42 - Sound within enclosure, isolation
- Lecture 43 - Isolation - 1
- Lecture 44 - Isolation - 2
- Lecture 45 - Auditorium - 1
- Lecture 46 - Auditorium - 2
- Lecture 47 - Daylighting - 1
- Lecture 48 - Daylighting - 2
- Lecture 49 - Daylighting - 3
- Lecture 50 - Daylighting - 4
- Lecture 51 - Daylighting - 5
- Lecture 52 - Daylighting - 6
- Lecture 53 - Artificial Lighting
- Lecture 54 - Design Sky models
- Lecture 55 - Live Session