

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

NPTEL Video Course - Civil Engineering - NOC:Environmental Geomechanics

Subject Co-ordinator - Prof. Devendra Narain Singh

Co-ordinating Institute - IIT - Bombay

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

Lecture 1 - Introduction - I
Lecture 2 - Introduction - II
Lecture 3 - Overview
Lecture 4 - Civil Engineering and Soil Mechanics
Lecture 5 - Soil mechanics
Lecture 6 - Environmental Geomechanics
Lecture 7 - Scope of Environmental Geomechanics - I
Lecture 8 - Scope of Environmental Geomechanics - II
Lecture 9 - Scope of Environmental Geomechanics - III
Lecture 10 - Recent trends - I
Lecture 11 - Recent trends - II
Lecture 12 - Energy Geotechnics
Lecture 13 - Soil
Lecture 14 - Soil- water- environment interaction - I
Lecture 15 - Soil- water- environment interaction - II
Lecture 16 - Soil- water- environment interaction - III
Lecture 17 - Particle energy field theory - I
Lecture 18 - Particle energy field theory - II
Lecture 19 - Particle energy field theory - III
Lecture 20 - Waste
Lecture 21 - Waste
Lecture 22 - Waste
Lecture 23 - Application of industrial by-products - I
Lecture 24 - Application of industrial by-products - II
Lecture 25 - Geomaterial characterization - I (Mineralogical characterization)
Lecture 26 - Geomaterial characterization - II (Mineralogical characterization)
Lecture 27 - Geomaterial characterization - III (Morphological characterization)
Lecture 28 - Geomaterial characterization - IV (Morphological characterization)
Lecture 29 - Geomaterial characterization - V (Specific surface area)

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- Lecture 30 - Geomaterial characterization - VI (Chemical characterization)
- Lecture 31 - Geomaterial characterization - VII (Chemical characterization)
- Lecture 32 - Geomaterial characterization - VIII (Chemical characterization)
- Lecture 33 - Geomaterial characterization - IX (Chemical characterization)
- Lecture 34 - Geomaterial characterization - X (Chemical characterization)
- Lecture 35 - Geomaterial characterization - XI (Chemical characterization)
- Lecture 36 - Geomaterial characterization - XII (Corrosion potential of soils)
- Lecture 37 - Soil characteristics and environmental variables
- Lecture 38 - Corrosion potential of soils
- Lecture 39 - Contaminant transport through porous media - I
- Lecture 40 - Contaminant transport through porous media - II
- Lecture 41 - Contaminant transport through porous media - III
- Lecture 42 - Sorption & desorption characteristics - I
- Lecture 43 - Sorption & desorption characteristics - II
- Lecture 44 - Sorption & desorption characteristics - III
- Lecture 45 - Thermal characterization - I
- Lecture 46 - Thermal characterization - II
- Lecture 47 - Thermal characterization - III
- Lecture 48 - Cracking characteristics of fine-grained soils - I
- Lecture 49 - Cracking characteristics of fine-grained soils - II
- Lecture 50 - Cracking characteristics of fine-grained soils - III
- Lecture 51 - Electrical characterization - I
- Lecture 52 - Electrical characterization - II
- Lecture 53 - Electrical characterization - III
- Lecture 54 - Magnetic characterization
- Lecture 55 - Pore-structure characterization - I
- Lecture 56 - Pore-structure characterization - II