

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

NPTEL Video Course - Textile Engineering - Theory of Yarn Structures

Subject Co-ordinator - Prof. Bohuslav Neckar

Co-ordinating Institute - IIT - Delhi

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

Lecture 1 - Fibers and Yarns

Lecture 2 - Fibers and Yarns

Lecture 3 - Compression of Fibrous Assemblies

Lecture 4 - Compression of Fibrous Assemblies (Continued...)

Lecture 5 - Pores Among Fibers

Lecture 6 - Pores Among Fibers (Continued...)

Lecture 7 - Orientation of Fibers

Lecture 8 - Orientation of Fibers (Continued...)

Lecture 9 - Mechanics of Parallel Fiber Bundles

Lecture 10 - Mechanics of Parallel Fiber Bundles (Continued...)

Lecture 11 - Modelling of Internal Yarn Geometry

Lecture 12 - Modelling of Internal Yarn Geometry

Lecture 13 - Relations Among Yarn Count T, Twist Z, Packing Density, And Diameter D

Lecture 14 - Relations Among Yarn Count T, Twist Z, Packing Density, And Diameter D (Continued...)

Lecture 15 - Relations Among Yarn Count T, Twist Z, Packing Density, And Diameter D (Continued...)

Lecture 16 - Relations Among Yarn Count T, Twist Z, Packing Density, And Diameter D (Continued...)

Lecture 17 - Bundle Theory of Yarn Unevenness

Lecture 18 - Bundle Theory of Yarn Unevenness (Continued...)

Lecture 19 - Yarn Strength as a Stochastic Process

Lecture 20 - Yarn Strength as a Stochastic Process (Continued...)

---

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

[www.digimat.in](http://www.digimat.in)

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

NPTEL Video Course - Textile Engineering - NOC:Science of Clothing Comfort

Subject Co-ordinator - Dr. Apurba Das

Co-ordinating Institute - IIT - Delhi

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

- Lecture 1 - Science of Clothing Comfort-Outline
- Lecture 2 - Understanding Clothing and Clothing Comfort
- Lecture 3 - Understanding Clothing and Clothing Comfort (Continued...)
- Lecture 4 - Understanding Clothing and Clothing Comfort (Continued...)
- Lecture 5 - Psychology and Comfort
- Lecture 6 - Psychology and Comfort (Continued...)
- Lecture 7 - Psychology and Comfort (Continued...)
- Lecture 8 - Psychology and Comfort (Continued...)
- Lecture 9 - Neurophysiological Processes in Clothing Comfort
- Lecture 10 - Neurophysiological Processes in Clothing Comfort (Continued...)
- Lecture 11 - Neurophysiological Processes in Clothing Comfort (Continued...)
- Lecture 12 - Neurophysiological Processes in Clothing Comfort (Continued...)
- Lecture 13 - Neurophysiological Processes in Clothing Comfort (Continued...)
- Lecture 14 - Neurophysiological Processes in Clothing Comfort (Continued...)
- Lecture 15 - Tactile Aspects of Clothing Comfort
- Lecture 16 - Tactile Aspects of Clothing Comfort (Continued...)
- Lecture 17 - Tactile Aspects of Clothing Comfort (Continued...)
- Lecture 18 - Tactile Aspects of Clothing Comfort (Continued...)
- Lecture 19 - Understanding Clothing and Clothing Comfort (Continued...)
- Lecture 20 - Tactile Aspects of Clothing Comfort (Continued...)
- Lecture 21 - Tactile Aspects of Clothing Comfort (Continued...)
- Lecture 22 - Clothing Comfort Related to Thermal Transmission
- Lecture 23 - Clothing Comfort Related to Thermal Transmission (Continued...)
- Lecture 24 - Clothing Comfort Related to Thermal Transmission (Continued...)
- Lecture 25 - Clothing Comfort Related to Thermal Transmission (Continued...)
- Lecture 26 - Clothing Comfort Related to Thermal Transmission (Continued...)
- Lecture 27 - Clothing Comfort Related to Thermal Transmission (Continued...)
- Lecture 28 - Clothing Comfort Related to Thermal Transmission (Continued...)
- Lecture 29 - Moisture Transmission and Clothing Comfort

---

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

[www.digimat.in](http://www.digimat.in)

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

---

- Lecture 30 - Moisture Transmission and Clothing Comfort (Continued...)
- Lecture 31 - Moisture Transmission and Clothing Comfort (Continued...)
- Lecture 32 - Moisture Transmission and Clothing Comfort (Continued...)
- Lecture 33 - Moisture Transmission and Clothing Comfort (Continued...)
- Lecture 34 - Moisture Transmission and Clothing Comfort (Continued...)
- Lecture 35 - Moisture Transmission and Clothing Comfort (Continued...)
- Lecture 36 - Combined Heat and Mass Transmission and Clothing Comfort
- Lecture 37 - Combined Heat and Mass Transmission and Clothing Comfort (Continued...)
- Lecture 38 - Thermo-Physiological Comfort of Functional Clothing
- Lecture 39 - Garment Fit and Comfort
- Lecture 40 - Garment Fit and Comfort (Continued...)

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

NPTEL Video Course - Textile Engineering - NOC:Yarn Manufacture-I: Principle of Carding and Drawing

Subject Co-ordinator - Prof. Ravi Chattopadhyay

Co-ordinating Institute - IIT - Delhi

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

- Lecture 1 - Introduction
- Lecture 2 - Card Feed Zone
- Lecture 3 - Carding Zone
- Lecture 4 - Analysis of flat action
- Lecture 5 - Sliver Formation
- Lecture 6 - Package Formation
- Lecture 7 - Card Clothing
- Lecture 8 - Card Setting, Draft, Production
- Lecture 9 - Fibre Configuration and Neps in Card sliver
- Lecture 10 - Carding Process
- Lecture 11 - Numerical Problems and Solution
- Lecture 12 - Introduction and Drafting principle
- Lecture 13 - Design Features and operating principle of drawframe
- Lecture 14 - Drafting Rolles, Web Condensation and Packaging
- Lecture 15 - Drafting Roller Arranegement
- Lecture 16 - Drafting Theory, Wave Fromation and Control
- Lecture 17 - Drafting Force and Roller Slip
- Lecture 18 - Significance of Process Parameters
- Lecture 19 - Draft and production Calculation
- Lecture 20 - Blending on Drawframe
- Lecture 21 - Process Monitoring and Control
- Lecture 22 - Drawframe Autoleveller
- Lecture 23 - Card Autoleveller
- Lecture 24 - Numericals on Drawing

---

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

[www.digimat.in](http://www.digimat.in)

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

NPTEL Video Course - Textile Engineering - Natural Dyes

Subject Co-ordinator - Dr. Padma S Vankar

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Natural Dyes  
Lecture 2 - Natural Dyes  
Lecture 3 - Natural Dyes  
Lecture 4 - Natural Dyes  
Lecture 5 - Natural Dyes  
Lecture 6 - Natural Dyes  
Lecture 7 - Natural Dyes  
Lecture 8 - Natural Dyes  
Lecture 9 - Natural Dyes  
Lecture 10 - Natural Dyes  
Lecture 11 - Natural Dyes  
Lecture 12 - Natural Dyes  
Lecture 13 - Natural Dyes  
Lecture 14 - Natural Dyes  
Lecture 15 - Natural Dyes  
Lecture 16 - Natural Dyes  
Lecture 17 - Natural Dyes  
Lecture 18 - Natural Dyes  
Lecture 19 - Natural Dyes  
Lecture 20 - Natural Dyes  
Lecture 21 - Natural Dyes  
Lecture 22 - Natural Dyes  
Lecture 23 - Natural Dyes  
Lecture 24 - Natural Dyes  
Lecture 25 - Natural Dyes  
Lecture 26 - Natural Dyes  
Lecture 27 - Natural Dyes  
Lecture 28 - Natural Dyes  
Lecture 29 - Natural Dyes

---

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

[www.digimat.in](http://www.digimat.in)

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

---

- Lecture 30 - Natural Dyes
- Lecture 31 - Natural Dyes
- Lecture 32 - Natural Dyes
- Lecture 33 - Natural Dyes
- Lecture 34 - Natural Dyes
- Lecture 35 - Natural Dyes
- Lecture 36 - Natural Dyes
- Lecture 37 - Natural Dyes
- Lecture 38 - Natural Dyes
- Lecture 39 - Natural Dyes
- Lecture 40 - Natural Dyes