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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...)
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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
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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

Lecture 38 - Thermo-Physiological Comfort of Functional Clothing

Lecture 39 - Garment Fit and Comfort

Lecture 40 - Garment Fit and Comfort (Continued...)
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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 - Impurities and Contaminants in Cotton
Lecture 2 - Opening Principle and Opening Devices
Lecture 3 - Cleaning Principle
Lecture 4 - Machines and their Layout
Lecture 5 - Bale Opening Machines
Lecture 6 - Machines in Blow Room - Part II
Lecture 7 - Opening Cleaning Machines - Part II
Lecture 8 - Mixing/Blending
Lecture 9 - Transportation of Tuft
Lecture 10 - Lap formation and Material Flow Regulation
Lecture 11 - Process Performance
Lecture 12 - Introduction
Lecture 13 - Card Feed Zone
Lecture 14 - Carding Zone
Lecture 15 - Analysis of flat action
Lecture 16 - Sliver Formation
Lecture 17 - Package Formation
Lecture 18 - Card Clothing
Lecture 19 - Card Setting, Draft, Production
Lecture 20 - Fibre Configuration and Neps in Card sliver
Lecture 21 - Carding Process
Lecture 22 - Numerical Problems and Solution
Lecture 23 - Introduction and Drafting principle
Lecture 24 - Design Features and operating principle of drawframe
Lecture 25 - Drafting Rolles, Web Condensation and Packaging
Lecture 26 - Drafting Roller Arranegement
Lecture 27 - Drafting Theory, Wave Fromation and Control
Lecture 28 - Drafting Force and Roller Slip
Lecture 29 - Significance of Process Parameters
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Lecture 30 - Draft and production Calculation

Lecture 31 - Blending on Drawframe

Lecture 32 - Process Monitoring and Control

Lecture 33 - Drawframe Autoleveller

Lecture 34 - Card Autoleveller

Lecture 35 - Numericals on Drawing

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NPTEL Video Course - Textile Engineering - NOC: Evaluations of Textile Materials
Subject Co-ordinator - Dr. Apurba Das
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Evaluation of Textile Materials - Outline
Lecture 2 - Evaluation of Textile Materials - Outline (Continued...)
Lecture 3 - Sampling Methods and Sample Size
Lecture 4 - Sampling Methods and Sample Size (Continued...)
Lecture 5 - Sampling Methods and Sample Size (Continued....)
Lecture 6 - Sampling Methods and Sample Size
Lecture 7 - Sampling Methods and Sample Size
Lecture 8 - Sampling Methods and Sample Size
Lecture 9 - Evaluation of Fibre Length
Lecture 10 - Evaluation of Fibre Length (Continued...)
Lecture 11 - Evaluation of Fibre Length (Continued...)
Lecture 12 - Evaluation of Fibre Fineness
Lecture 13 - Evaluation of Fibre Fineness - 1
Lecture 14 - Evaluation of Cotton Fibre Maturity
Lecture 15 - Evaluation of Cotton Fibre Properties
Lecture 16 - Evaluation of Linear Density of Textile Materials
Lecture 17 - Evaluation of Linear Density of Textile Materials (Continued...)
Lecture 18 - Evaluation of Tensile Properties of Textile Materials
Lecture 19 - Evaluation of Tensile Properties of Textile Materials (Continued...)
Lecture 20 - Evaluation of Tensile Properties of Textile Materials-1 (Continued...)
Lecture 21 - Evaluation of Tensile Properties of Textile Materials-2 (Continued...)
Lecture 22 - Evaluation of Tensile Properties of Textile Materials-3 (Continued...)
Lecture 23 - Evaluation of Tensile Properties of Textile Materials-4 (Continued...)
Lecture 24 - Evaluation of Tensile Properties of Textile Materials-5 (Continued...)
Lecture 25 - Evaluation of Yarn and Fabric Hairiness
Lecture 26 - Evaluation of Yarn and Fabric Hairiness (Continued...)
Lecture 27 - Evaluation of Yarn Twist
Lecture 28 - Evaluation of Yarn Twist (Continued...)
Lecture 29 - Evaluation of Moisture in Textiles
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Lecture 30 - Evaluation of Moisture in Textiles (Continued...)

Lecture 31 - Evaluation of Yarn Evenness

Lecture 32 - Evaluation of Yarn Evenness-1 (Continued...)

Lecture 33 - Evaluation of Yarn Evenness-2 (Continued...)

Lecture 34 - Evaluation of Yarn Evenness-3 (Continued...)

Lecture 35 - Evaluation of Yarn Evenness-3 (Continued...)

Lecture 36 - Evaluation of Yarn Evenness-4 (Continued...)

Lecture 37 - Evaluation of Bursting and Tear Strength of Fabrics

Lecture 38 - Evaluation of Pilling and Abrasion Properties of Fabrics

Lecture 39 - Evaluation of Low Stress Mechanical Properties of Textile Materials

Lecture 40 - Evaluation of Low Stress Mechanical Properties of Textile Materials (Continued...)
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NPTEL Video Course - Textile Engineering - NOC: Testing of Functional and Technical Textiles
Subject Co-ordinator - Dr. Apurba Das
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Testing of Low Stress mechanical Properties of Textile Fabrics
Lecture 2 - Testing of Low Stress mechanical Properties of Textile Fabrics (Continued...)
Lecture 3 - Testing of Low Stress mechanical Properties of Textile Fabrics (Continued...)
Lecture 4 - Testing of Transmission Characteristics of Textile Fabrics
Lecture 5 - Testing of Transmission Characteristics of Textile Fabrics (Continued...)
Lecture 6 - Testing of Transmission Characteristics of Textile Fabrics (Continued...)
Lecture 7 - Testing of Transmission Characteristics of Textile Fabrics (Continued...)
Lecture 8 - Testing of Transmission Characteristics of Textile Fabrics (Continued...)
Lecture 9 - Testing of Transmission Characteristics of Textile Fabrics (Continued...)
Lecture 10 - Testing of Fibre Reinforced Composite Materials
Lecture 11 - Testing of Fibre Reinforced Composite Materials (Continued...)
Lecture 12 - Testing of Fibre Reinforced Composite Materials (Continued...)
Lecture 13 - Testing of Fibre Reinforced Composite Materials (Continued...)
Lecture 14 - Testing of Fibre Reinforced Composite Materials (Continued...)
Lecture 15 - Testing of Fibre Fabrics
Lecture 16 - Testing of Fibre Fabrics (Continued...)
Lecture 17 - Testing of Fibre Fabrics (Continued...)
Lecture 18 - Testing of Geotextiles
Lecture 19 - Testing of Geotextiles (Continued...)
Lecture 20 - Testing of Geotextiles (Continued...)
Lecture 21 - Testing of Ballistics Protective Clothing
Lecture 22 - Testing of UV Radiation Protective Textiles
Lecture 23 - Testing of Compression Bandages
Lecture 24 - Testing of Electromagnetic Shielding Textiles
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NPTEL Video Course - Textile Engineering - NOC: Theory of Yarn Structure
Subject Co-ordinator - Dr. Dipayan Das
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable
                                         MP3 Audio Lectures - Available / Unavailable
Lecture 1 - The Building Block of Yarns
Lecture 2 - The Building Block of Yarns (Continued...)
Lecture 3 - Basic Characteristics of Yarns
Lecture 4 - Basic Characteristics of Yarns (Continued...)
Lecture 5 - Basic Characteristics of Yarns (Continued...)
Lecture 6 - Relations Among Yarn Count, Twist, and Diameter
Lecture 7 - Relations Among Yarn Count, Twist, and Diameter (Continued...)
Lecture 8 - Helical Model of Fibers in Yarns
Lecture 9 - Helical Model of Fibers in Yarns (Continued...)
Lecture 10 - Helical Model of Fibers in Yarns (Continued...)
Lecture 11 - Helical Model of Fibers in Yarns (Continued...)
Lecture 12 - Mass Irregularity of Yarns
Lecture 13 - Mass Irregularity of Yarns (Continued...)
Lecture 14 - Mass Irregularity of Yarns (Continued...)
Lecture 15 - Mass Irregularity of Yarns (Continued...)
Lecture 16 - Radial Migration of Fibres in Yarns
Lecture 17 - Radial Migration of Fibres in Yarns (Continued...)
Lecture 18 - Radial Migration of Fibres in Yarns (Continued...)
Lecture 19 - Yarn Shrinkage due to Washing
Lecture 20 - Tensile Mechanics of Yarns
Lecture 21 - Tensile Mechanics of Yarns (Continued...)
Lecture 22 - Tensile Mechanics of Yarns (Continued...)
Lecture 23 - Tensile Mechanics of Yarns (Continued...)
Lecture 24 - Tensile Mechanics of Yarns (Continued...)
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NPTEL Video Course - Textile Engineering - NOC: Advanced Textile Printing Technology
Subject Co-ordinator - Prof. Kushal Sen
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Conventional Printing
Lecture 2 - Colourants
Lecture 3 - Dyes and pigments
Lecture 4 - Thickeners
Lecture 5 - Measurement of viscosity
Lecture 6 - Discharge and resist printing
Lecture 7 - Transfer Printing
Lecture 8 - Sublimation Transfer Printing
Lecture 9 - Sublimation Transfer Printing
Lecture 10 - Free path length and mechanism of transfer
Lecture 11 - Transfer Printing Machines and Other Transfer Methods
Lecture 12 - Introduction to Digital Textile Printing
Lecture 13 - Revision and Doubt Clarification Session - 1
Lecture 14 - Digital Textile Printing
Lecture 15 - Inkjet Technologies
Lecture 16 - Revision and Doubt Clarification Session - 2
Lecture 17 - Inkjet Technologies
Lecture 18 - Inkjet Printing
Lecture 19 - Printing inks
Lecture 20 - Water-based inks
Lecture 21 - Water-based inks (Continued...)
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NPTEL Video Course - Textile Engineering - NOC: Textured Yarn Technology
Subject Co-ordinator - Prof. Kushal Sen
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Introduction to texturing
Lecture 2 - General principles involved in the manufacture of textured yarns
Lecture 3 - General principles involved in the manufacture of textured yarns (Continued...)
Lecture 4 - Bulked yarns
Lecture 5 - Mechanisms of setting and texturing
Lecture 6 - Thermo-mechanical texturing
Lecture 7 - Characterization and optimization
Lecture 8 - Influence of material and process parameters
Lecture 9 - Influence of process parameters
Lecture 10 - Influence of process parameters (Continued...)
Lecture 11 - Revision and clarification of doubts - Session 1
Lecture 12 - Influence of process parameters (Continued...)
Lecture 13 - Draw Texturing
Lecture 14 - Simultaneous draw texturing with POY
Lecture 15 - Draw Texturing (Continued...)
Lecture 16 - Draw Texturing Machines and Process Parameters
Lecture 17 - Draw Texturing
Lecture 18 - Draw Texturing
Lecture 19 - Friction Draw Texturing
Lecture 20 - Friction Draw Texturing (Continued...)
Lecture 21 - Air-Jet Texturing
Lecture 22 - Air-Jet Texturing (Continued...)
Lecture 23 - Air-Jet Texturing (Continued...)
Lecture 24 - Air-Jet Texturing
Lecture 25 - Air-Jet Texturing
Lecture 26 - Air-Texturing Jets
Lecture 27 - Interlacement
Lecture 28 - Bulked continuous filament yarns
Lecture 29 - Hi-bulk yarns
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Lecture 30 - Revision and Clarification of Doubts Session 2
Lecture 31 - Hi-bulk yarns (Continued...)
Lecture 32 - Texturing of spun yarns
Lecture 33 - Texturing of spun yarns (Continued...)
Lecture 34 - Solvent texturing
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NPTEL Video Course - Textile Engineering - NOC: Textile Finishing
Subject Co-ordinator - Prof. Kushal Sen
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable
                                         MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Introduction to Finishing
Lecture 2 - Wrinkle Resistant Finishing
Lecture 3 - Wrinkle Resistant Finishing (Continued...)
Lecture 4 - Wrinkle Resistant Finishing
Lecture 5 - Catalysis and Catalysts
Lecture 6 - Other Crosslinking agents
Lecture 7 - Non-nitrogenous Agents
Lecture 8 - Control of Formaldehyde Release
Lecture 9 - Stiff and Soft Finishing
Lecture 10 - Soft Finishing (Continued...)
Lecture 11 - Soft Finishing (Continued...)
Lecture 12 - Emulsion Softeners
Lecture 13 - Water Proofing and Water Repellency
Lecture 14 - Water Repellency (Continued...)
Lecture 15 - Water Repellency (Continued...)
Lecture 16 - Waterproof Breathable Textiles
Lecture 17 - Soil Repellency and Soil Release
Lecture 18 - Soil Release Finishing
Lecture 19 - Fire Retardant Finishing
Lecture 20 - Chemistry of Flame Retardants
Lecture 21 - More Flame retardants and evaluation of fire retardancy
Lecture 22 - Antimicrobial Finishing
Lecture 23 - Finishing of Wool
Lecture 24 - Shrink Resistant Wool
Lecture 25 - Wool Setting
Lecture 26 - Mothproofing of Wool
Lecture 27 - Biopolishing
Lecture 28 - Finishing of synthetics
Lecture 29 - Finishing of synthetics
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Lecture 30 - Low Liquor Application
Lecture 31 - Waste heat recovery

Lecture 32 - Principles of some Finishing machines

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NPTEL Video Course - Textile Engineering - NOC: Principles of Combing, Roving preparation and Ring spinning
Subject Co-ordinator - Prof. Ravi Chattopadhyay
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Pre-combing operation - Part 1
Lecture 2 - Pre-combing operation - Part 2
Lecture 3 - Introduction to Comber - Part 1
Lecture 4 - Introduction to Comber - Part 2
Lecture 5 - Sequence of Operation
Lecture 6 - Combing Mechanism
Lecture 7 - Timing Diagram
Lecture 8 - Sliver Formation
Lecture 9 - Theoretical Aspects in Combing - Part 1
Lecture 10 - Theoretical Aspects in Combing - Part 2
Lecture 11 - Parameters Influencing Combing Performance
Lecture 12 - Analysis of Drive
Lecture 13 - Calculation of Process Performance Parameters
Lecture 14 - Introduction, Working Principle and Creel
Lecture 15 - Dxrafting Unit - Part 1
Lecture 16 - Dxrafting Unit - Part 2
Lecture 17 - Flyer Twisting
Lecture 18 - Package Formation
Lecture 19 - Bobbin Speed Regulation
Lecture 20 - Building Motion and Drive Analysis
Lecture 21 - Calculation for Change Gears amd Production
Lecture 22 - Introduction and Working Principle
Lecture 23 - Creel and Drafting Unit
Lecture 24 - Twisting Process and Twisting Elements
Lecture 25 - Bobbin Building
Lecture 26 - Spinning Geometry
Lecture 27 - Analysis of Forces on Traveller
Lecture 28 - Analysis of Forces on Ballon
Lecture 29 - Analysis of Drive, Production Calculation
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NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai Lecture 30 - End Breaks

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NPTEL Video Course - Textile Engineering - NOC: Science and Technology of Weft and Warp Knitting
Subject Co-ordinator - Prof. Bipin Kumar
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Introduction to Kintting
Lecture 2 - Knitting Glossary
Lecture 3 - Loop Formation in Weft Knitting
Lecture 4 - Lab Demo 1
Lecture 5 - Automation in Loop Formation
Lecture 6 - Flat Bed Machine Needle/Cam Interaction
Lecture 7 - Circular Knitting
Lecture 8 - Single Bed Weft Knitting-Flat and Circular M/C
Lecture 9 - Lab Demo 2
Lecture 10 - Lab Demo 3
Lecture 11 - Single Bed Weft Knitting Fabric Curling
Lecture 12 - Weft Knitting Double Flat Beds
Lecture 13 - Weft Knitting Double Circular Beds
Lecture 14 - Weft Knitting V-Bed Machine
Lecture 15 - Analysis of a Double Jersey Fabric
Lecture 16 - Single and Double Jersey Construction
Lecture 17 - Weft Knit Stiches - Loop, Tuck and Float
Lecture 18 - Lab Demo 6 (Part 1) Knitting Notations
Lecture 19 - Lab Demo 6 (Part 2) Knitting Notations
Lecture 20 - Fabric Analysis - Influence of Loop Length
Lecture 21 - Fabric Design - Float and Tuck Formation
Lecture 22 - Fabric Analysis - Influence of Float and Tuck Stitches
Lecture 23 - Fabric Analysis - Shrinkage (Relaxation)
Lecture 24 - Fabric Analysis - Extensibility and Recovery
Lecture 25 - Knitting Calculation - Yarn Selection
Lecture 26 - Knitting Calculation - Production (Circular)
Lecture 27 - Knitting Calculation - Production (Flat)
Lecture 28 - Knitting Calculation - Fabric Calculations
Lecture 29 - Knitting Calculation - Geometrical Modeling
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Lecture 30 - Knitting Calculation - Fabric Spirality in Single Jersy (Tubular)
Lecture 31 - Advancement in Knitting Technology
Lecture 32 - Knitting Designs Possibilities
Lecture 33 - Knitting Designs Possibilities - 1
Lecture 34 - Design Software
Lecture 35 - Weft Knitting- Revision
Lecture 36 - Introduction to Warp Knitting
Lecture 37 - Warp Knitting Technology- Loop Formation
Lecture 38 - Swinging and Shogging Motions (Overlap and Underlap)
Lecture 39 - Warp Knit - Structural Identification
Lecture 40 - Warp Knit Fabric Notation - Lapping Diagram and Lapping Plan
Lecture 41 - Warp Knit Structure - Design Principles
Lecture 42 - Single Bar Warp Knit Constructions
Lecture 43 - Double Bar Warp Knit Constructions
Lecture 44 - Lapping Plan Execution - Pattern Disc and Pattern Drum
Lecture 45 - Chain Links Arrangement - Single and Double Bar Constructions
Lecture 46 - Warp Knits
Lecture 47 - Warp Knits
Lecture 48 - Weft and Warp Knitting - Summary
Lecture 49 - Technical Applications of Knitting
Lecture 50 - Technical Applications of Knitting (Continued...)
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NPTEL Video Course - Textile Engineering - NOC: Technical Textiles
Subject Co-ordinator - Dr. Apurba Das
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable
                                         MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Introduction to Technical Textiles
Lecture 2 - Introduction to Technical Textiles (Continued...)
Lecture 3 - Textile Reinforced Composites
Lecture 4 - Textile Reinforced Composites (Continued...)
Lecture 5 - Textile Reinforced Composites (Continued...)
Lecture 6 - Textile Reinforced Composites (Continued...)
Lecture 7 - Textile Reinforced Composites (Continued...)
Lecture 8 - Textile Reinforced Composites (Continued...)
Lecture 9 - Textile Reinforced Composites (Continued...)
Lecture 10 - Textile Reinforced Composites (Continued...)
Lecture 11 - Textile Reinforced Composites (Continued...)
Lecture 12 - Textile Reinforced Composites (Continued...)
Lecture 13 - Filter Fabrics
Lecture 14 - Filter Fabrics (Continued...)
Lecture 15 - Filter Fabrics (Continued...)
Lecture 16 - Geotextiles
Lecture 17 - Geotextiles (Continued...)
Lecture 18 - Geotextiles (Continued...)
Lecture 19 - Geotextiles (Continued...)
Lecture 20 - Extreme Cold Protective Clothing
Lecture 21 - Extreme Cold Protective Clothing (Continued...)
Lecture 22 - Extreme Heat Protective Clothing
Lecture 23 - Extreme Heat Protective Clothing (Continued...)
Lecture 24 - Sports Textiles
Lecture 25 - Sports Textiles (Continued...)
Lecture 26 - Sports Textiles (Continued...)
Lecture 27 - Ultraviolet Protective Textiles
Lecture 28 - Ultraviolet Protective Textiles (Continued...)
Lecture 29 - Ultraviolet Protective Textiles (Continued...)
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Lecture 30 - Ballistic Protective Textiles

Lecture 31 - Compression Bandage

Lecture 32 - Compression Bandage (Continued...)

Lecture 33 - Compression Bandage (Continued...)

Lecture 34 - Automotive Textiles

Lecture 35 - Textiles in Hygiene

Lecture 36 - Additional Lecture on Geotextiles

Lecture 37 - Additional Lecture on Geotextiles (Continued...)

Lecture 38 - Additional Lecture on Composites

Lecture 39 - Additional Lecture on Composites (Continued...)

Lecture 40 - Additional Lecture on Composites (Continued...)
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NPTEL Video Course - Textile Engineering - NOC: Textile Product Design and Development
Subject Co-ordinator - Prof. R Chattopadhyay
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1
Lecture 2
Lecture 3
Lecture 4
Lecture 5
Lecture 6
Lecture 7
Lecture 8
Lecture 9
Lecture 10
Lecture 11
Lecture 12
Lecture 13
Lecture 14
Lecture 15
Lecture 16
Lecture 17
Lecture 18
Lecture 19
Lecture 20
Lecture 21
Lecture 22
Lecture 23
Lecture 24
Lecture 25
Lecture 26
Lecture 27
Lecture 28
Lecture 29
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NPTEL Video Course - Textile Engineering - NOC: New Spinning Technologies
Subject Co-ordinator - Prof. R Chattopadhyay
Co-ordinating Institute - IIT - Delhi
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - New Spinning Technology
Lecture 2 - Sliver Feed Arrangement
Lecture 3 - Principle of Yarn Formation
Lecture 4 - Twist Equation
Lecture 5 - Rotor: Construction, Geometry and Drive
Lecture 6 - Package Formation
Lecture 7 - Significance of Fibre and Process Parameters
Lecture 8 - Rotor Selection
Lecture 9 - Spinning Tension
Lecture 10 - Production and Energy Consumption Calculation
Lecture 11 - Rotor Yarn: Structure, Properties and Application
Lecture 12 - Air Jet Spinning: Introduction
Lecture 13 - High Draft System
Lecture 14 - Yarn Formation Mechanism
Lecture 15 - Structure and Characteristics of Air-Jet Yarn
Lecture 16 - Material and Process Parameters
Lecture 17 - Friction Spinning: Dref-2
Lecture 18 - Dref-3 Friction Spinning
Lecture 19 - Yarn Formation, Structure and Applications
Lecture 20 - Vortex Spinning
Lecture 21 - Influence of Machine and Process Parameters
Lecture 22 - Wrap Spinning
Lecture 23 - Wrap Spinning (Continued...)
Lecture 24 - SIRO Spinning
Lecture 25 - Compact Spinning
Lecture 26 - Spinning by Adhesive and Felting Process
Lecture 27 - Self Twist Spinning
Lecture 28 - Comparitive Analysis Between Spinning Technologies
Lecture 29 - Productivity Enhancement: Limitations
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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
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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