



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Textile Technology Choice Based Credit System (CBCS) in Light of NEP-2020 B. Sc. in Fashion Design w.e.f. 2023-24

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL		L	T	P	S	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BSFD101N	DCC	TEXTILE SCIENCE - I	60	20	20	30	20	4	0	4	0	6

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit:

*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives (CEOs):

1. The course will provide the comprehensive understanding of Textile industry, its products.
2. It will also develop the knowledge of different textile processes.

Course Outcomes (COs):

After completion of this course the students will be able


Students will be able:

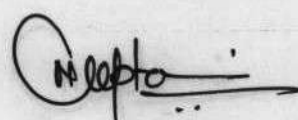
1. Understand the influence of textile industry on India and global economy
2. Demonstrate the fundamentals of textile fibre identification and classifications.
3. Have better understanding of textile spinning processes and weaving and knitting processes of the industries.

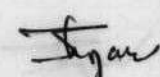
Pre-requisite: Nil


CO-POs & PSOs Mapping																
COs	Programme Outcomes (POs) & Programme Specific Outcomes															
	PO1	PO2	PO3	PO4	PO6	PO6	PO7	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	■	■													■	
CO2	■	■													■	
CO3	■	■	■												■	

Syllabus


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Unit-I Textile fibres: <14>

Overview of Textile industries in India, Structure of Indian Textile Industry, Textile terminology, Classification of textile fibres – Plant fibre, Animal fibres and synthetic fibres, Physical and chemical identification of textile fibers like cotton, wool, silk, jute, nylon, polyester etc. Essential and desirable properties of textile fibres (length, strength, flexibility, spin-ability etc.

Unit-II Textile yarn: <12>

Definition - Staple fibre, Staple length, Different types of yarns - spun yarn and filament yarn, their properties, Different fancy or novelty yarns, fancy yarn effect including fibre effect and yarn effect, Classification of fancy yarn and their uses.


Unit-III Yarn manufacturing Process: <12>

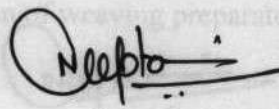
Yarn count and yarn twist, yarn numbering system, introduction to the process of conversion of fibre to yarn – functions of spinning line like blowroom, carding, draw frame, speed frame and ring frame. Advantages and disadvantages of Ring spinning system.

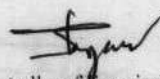
Unit-IV Fabric manufacturing process: <12>


Introductions to weaving preparatory process including winding, warping, sizing drawing in etc, Introduction to process of Conversion of yarn into fabric, Grey fabric inspection – process and precautions, basic weaves and designs including plain weave, twill weave and sateen/satin weave.

Unit-V Knitting and nonwovens: <10>


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Weft knitted fabrics – jersey, purl, rib and interlock and warp knitted fabrics – tricot and rashel and their characteristics and end uses. Different Non-woven fabrics, raw material used in manufacturing of nonwoven fabric, their key characteristics and end uses.

Textbooks:


1. Yarn preparation by R. Sengupta, Popular Prakashan, 1963.
2. Plain Weaving Motions by K. T. Aswani, Publisher, Textile Trade Press, 1986.
3. A Practical Guide to Ring Spinning by Klein W, Textile Institute, 2000.
4. Knitting Technology by Ajgaonkar D. B., Universal Publication, 1998.

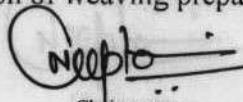
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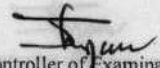
1. Cotton Ring Spinning by Gilbert R. Merrill, Universal Publication, UK, 1959.
2. Fancy Yarns-Their Mfg. and Application by Gong R.H.& Wright R.M., Elsevier, 2002.
3. Textile Yarns Technology, Structure& Applications by Goswami B. C.Wiley India, 2010.
4. Woven Fabric Production II, NCUTE, 1st Ed Dobby, Jacquar; NCUTE Publication,2002.
5. Knitting Technology by Spencer, Woodhead Publishing, Abington Hall, Abington, 2001


List of Experiments (Expand it if needed):

1. Demonstration of burning and solubility test of cotton fibre.
2. Demonstration of burning and solubility test of jute fibre.
3. Demonstration of burning and solubility test of wool fibre.
4. Demonstration of burning and solubility test of silk fibre.
5. Demonstration of spinning lab machines
6. To study different types of fancy yarn.
7. Demonstration of weaving preparatory lab machines


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8. Demonstration of Weaving lab machines
9. Demonstration of Handlooms.
10. To study the calculation of yarn count
11. To study different types of packages.
12. To study different types of knitted fabrics

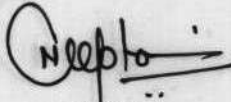
Pre-requisite: Nil

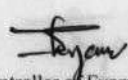
COs & PSOs Mapping


COs	Programme Outcomes (POs) & Programme Specific Outcomes															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	
CO1	*	*														
CO2	*															
CO3	*															

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Course Educational Objectives (CEOs):

1. To introduce the concept of fashion.
2. To understand the design and style for fashion.
3. To give the designing ideas through Draping.
4. To understand Color theory according to psychology.


Course Outcomes (COs):

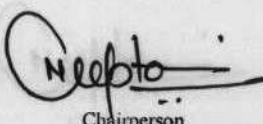
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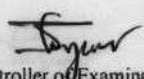
1. To understand fashion terminology and fashion forecasting.
2. To demonstrate the knowledge of components for Fashion design
3. To create different design for garments.
4. To make different part of dresses using draping technique.

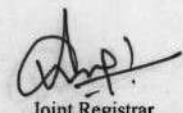
Pre-requisite: Nil

CO-POs & PSOs Mapping																
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CO1	■															
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CO3			■													
CO4	■		■													


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Syllabus

Unit-I Introduction to Fashion

12 h

Fashion introduction, Terminology, Indian traditional garments for men's wear, Women's wear, Ethnic garments category, Fashion accessories: Belt, scarf, bags their types & end uses, Details of accessories and Fasteners with their type, end uses.

Unit-II Principle of Fashion and Elements of design

12h

Principle of Design- Balance, Types of Balance, Emphasis, Unity, Repetition, Rhythm, Pattern, Harmony, Proportion, Contrast, Functionality. Gestalt and his Concepts- Closures, Continuance, Similarity, Proximity, Alignment.

Elements of Design- Point, Line, Characteristic of Line, Types of Line, Shapes, Categories of Shape, Space, Categories, Types of Textures, Types of silhouette.

Unit-III Colors and Texture

12 h


Color theory: color schmes, Primary, Secondary, Complimentary, Analogues, Hue, Value, Intensity Drawing and Composition, color wheel.

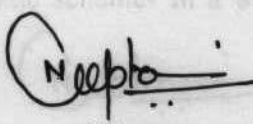
Types of Textures: Creating texture - thread pulling, paper folding, thread rolling, thread crumple, paper crush, stencil, wax drop, crayon rubbing, smoke, blade, leaf/flower print, thumb impression, salt/sugar sprinkle, onion, lady finger, ink blow, etc.

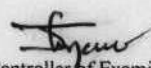
Unit-IV Introduction to components


12 h

Neckline, Collar, sleeves, cuffs, placket, pocket Fullness applied in apparel pleats, tuks, gather, shirring, frills/ ruffles, flounces, Types of Skirt.


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Unit-V Draping

Introduction to draping, equipment and dress form, Preparation of muslin for draping, fabric behavior, Principle, and techniques of Draping.

Textbooks:


1. Draping for Apparel Industry - Helen Joseph Armstrong
2. The technology of clothing manufacture - Herold Carr and Barbara Latham, Om Book Service, 1994.

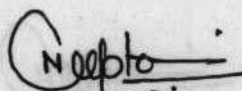
References


1. Fashion Design Essential, Jay Calderin, 2011.
2. Drawing Fashion Accessories, by Steven Thomas Miller, 2012.
3. Elements of Fashion and Apparel Design, G.J. Sumathi, 2022.
4. Introduction to clothing production management, A.J. Chuter, 1988.
5. Draping for Apparel design - Helen Joseph-Armstrong, Bloomsbury Publishing India Private Limited Publication, 2013.


List of Experiments (Expand if needed):

1. Draw compositions of lines using at least ten lines in a 8"x 8" block
2. Draw Color wheel & mention Primary, secondary & tertiary colors.
3. Color schemes & its introduction
4. Monochromatic scheme- In a 8"x 8" block using floral design a using Monochromatic scheme.


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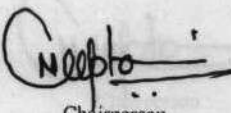
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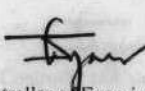
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5. Analogous- Make a sanghaneri print in a 8"x 8" block using Analogous color scheme.
6. Complimentary - Make a nursery print in a 8"x 8" block using Complimentary color scheme.
7. Polychromatic - Make a abstract design in a 8"x 8" block using Polychromatic color scheme.
8. Achromatic scheme - Make any design of your choice in a 8"x 8" block using achromatic color scheme.
9. Tints & Shades-Make a geometric pattern in a 8"x8", using tints & shades.
10. Draw different types of neck lines and prepare any one with fabric.
11. Draw make different types of waistlines prepare any one with fabric.
12. Draw different types of sleeves prepare any one with fabric.
13. Draw different types of cuffs prepare any one with fabric.
14. Draw different types of plackets and pockets prepare any one with fabric.
15. Study type of Skirts and Design any one type.
16. Design one dummy dress with the help of draping techniques.

Programme Outcomes (POs) & Preparatory Skills Outcomes														
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15


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Ability Enhancement Course (AEC)
Semester I & II (Batch 2022-26)

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Course Educational Objectives (CEOs): The students will

- CEO 1 Understand the different nuances of communication.
- CEO2 understand the features of listening and reading skills.
- CEO3 Comprehend the factors that influence use of grammar and vocabulary in speech and writing
- CEO4 study the essential aspects of effective written communication through Business letters and email writing for professional success.
- CEO5 Develop competency in professional communication.

Course Outcomes (COs): The students will be able to

- CO1 develop a comprehensive understanding of the theoretical and practical aspects of communication.
- CO2 understand and the different aspects of listening and reading.
- CO3 Apply grammatical rules in speech and writing.
- CO4 Use proper formats of written business communication.
- CO5 Demonstrate different strategies for using professional communication skills.

ENG101
Foundation English

COURSE CONTENTS

UNIT I

Communication

Communication: Nature, Meaning, Definition, Process, Functions and importance, Characteristics of Communication, Verbal and Non-Verbal Communication, Barriers to Communication.

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UNIT II

Listening and Reading Skills

Listening: Process, Types, Difference between Hearing and Listening, Benefits of Effective Listening, Barriers to Effective Listening, Overcoming Listening Barriers, and How to Become an Effective Listener, Developing Reading Skills: Reading Comprehension, Process, Active & Passive reading, Reading speed Strategies, Benefits of effective reading, SQ3R Reading technique.

UNIT III

Basic Grammar

Basic Language Skills: Grammar and usage- Parts of Speech, Tenses, Subject and Verb Agreement, Prepositions, Articles, Types of Sentences, Direct - Indirect, Active - Passive voice, Phrases & Clauses.

UNIT IV

Business Letters

Business Correspondence: Business Letters, Parts & Layouts of Business Letter, Job application and Resume, Application Calling/ Sending Quotations/ Orders/ Complaints. E-mail writing, Email etiquettes

UNIT V

Professional Skills

Negotiation Skills, Telephonic Skills, Interview Skills: Team building Skills and Time management

Suggested Readings:

- Adair John (2003). **Effective Communication**. London: Pan Macmillan Ltd.
- Thomson A.J. and Martinet A.V. (1991). **A Practical English Grammar** (4th ed). New York: Ox- ford IBH Pub
- Rizvi Ashraf (2005). **Effective Technical Communication**. New Delhi: Tata Mc Graw Hill
- Kratz Robinson (1995). **Effective Listening Skills**. Toronto: ON: Irwin Professional Publishing.

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Vishwavidyalaya, Indore

Joint Registrar

Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore