



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Textile Technology
Choice Based Credit System (CBCS) in Light of NEP-2020
B. Des. 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 *					
BDFD401	PC	FABRIC STRUCTURE AND CLOTH ANALYSIS	60	20	20	30	20	3	0	2	0	4

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C – Credit; S - Studio.
***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. To understand and design basic fabric structures (like plain, twill and satin structures as per specifications).
2. To identify and differentiate different derivatives of basic weaves and their effect in fabric.
3. To teach the students about the structure of fabric and design the structure for different applications.

Course Outcomes (COs): Student will be able

1. To develop woven fabric design of all types.
2. To understand the effect of twill and twill angles
3. To understand colour and weave effect.
4. To provide suitable draft and peg plan for all types of weave.

SYLLABUS:

Unit I Fabric Design

9 Hrs

Classification - simple and complex structures. Methods of weave representations. Elements of design - design, draft, peg plan and pointed paper. Weave repeat. Types of draft plans. Denting plan.


Unit II Elementary Weaves

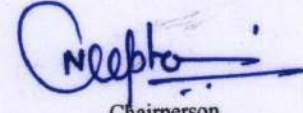
9Hrs

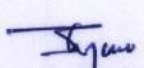
Plain weave – ornamentation and derivatives. Twill weaves - classification and modification. Satin and sateen weave - type and modifications. Characteristics and application of basic woven structures.


Unit III Combined Weaves

9Hrs


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Honey comb -ordinary and brighten. Huck-a-back and its modifications. Mock leno. Crepe weave and its types. Characteristics and application of combined woven structures.

Unit IV Extra Figuring Weave

9Hr

Figuring weaves - extra warp and extra weft figuring – single and multi-colour warp and weft designs - loom requirements for extra figuring weaves. Figured thread and motif fastening. Application of figured weave.

Unit V Knit Structure


9Hrs

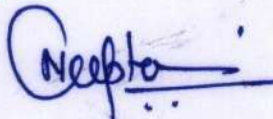
Basic weft knit structure - Classification and characteristics. Basic principles and concepts of plain knit derivatives, rib structure ornamentations and inter-lock structure derivatives. Warp knit structure - Stitch principles, chain stitch and lapping.

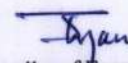
List of Practical (Expand it if needed):


1. Analyze and find out the fabric particulars of the Plain weave.
2. Analyze and find out the fabric particulars of the Satin and sateen weave.
3. Analyze and find out the fabric particulars of the honeycomb.
4. Analyze and find out the fabric particulars of the Brighton honeycomb.
5. Analyze and find out the fabric particulars of the mock leno.
6. Analyze and find out the fabric particulars of a back.
7. Analyze and find out the fabric particulars of the twill.
8. Analyze and find out the fabric particulars of the extra warp.
9. Analyze and find out the fabric particulars of the extra weft.
10. To study the reed and Heald count systems and related calculations.

Text Book


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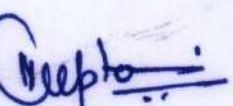
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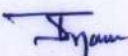
1. Fabric Structure and Design, N. Gokarneshan, Generic Publication, 2011.
2. Design and Structure of Textile Fabric, S. P. Mishra, Woodhead Publishing, 2020.
3. Fabric Structure-Simplified, Priyank Goyal, Kindle Edition, 2014.

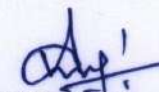
References:

1. Woven cloth construction, A. T. C. Robinson and R. Marks Robinson, Springer New York, 2014.
2. Watson's Textile Design and Colour, Elementary Weaves and Figured Fabrics, Z.J Grosicki, Woodhead Publisher, 2014.
3. Textile Weaving & Design, W S Murphy, Abhishek Publications, 2007.
4. Woven Fabric Design & Structure, Alhayat Getu Temesgen and Ömer Firat Tursucular. LAP Lambert Academic Publishing, 2019.
5. Fabric Structure and Design, Darshan Chaturvedi, Random Publication, 2014.
6. Knitting – Fundamentals, Machines, Structures and Developments, N Anbumani, New Age International, 2014.


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BDFD402	BS	INDIAN TRADITIONAL - TEXTILE AND ART	60	20	20	30	20	3	0	2	-	4

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Course Educational Objectives (CEOs):

1. To study the different types of resist dyed and printed textiles, traditional textiles, and their origin.
2. To develop the skills and knowledge of students in art of the traditional textile.
3. To develop the knowledge and skills for traditional textiles.

Course Outcomes (COs): After completion of this course the students will be able.

1. To understand different types of resist dyed textiles.
2. To understand hand woven textiles and its design variations.
3. To develop different types of shawls and carpets.
4. To understand the manufacturing of different types of painting, printing, artwork, and types of fabrics.

SYLLABUS

Unit-I Resist Dyed Textiles

9 Hrs.

Introduction of Resist Dyed Textiles, Introduction to Bandhani & their details, Special Bandhani Textiles from Gujarat, Bandhej & Lehariya of Rajasthan, Special Tie-Dyed Textiles from Rajasthan, Ikat, Patola of Gujarat, Bandhas of Odisha, Ikat Textiles of Andhra Pradesh, Telia Rumal, Pochampally Ikats.


Unit-II Printed Textiles


9 Hrs.

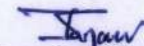
Introduction of Printed Textiles, Tools and equipment for printing, Printing Process, Bagru prints from Rajasthan, Sanganer prints from Rajasthan, Kalamkari from Andhra Pradesh, Bheravgrah print from Madhya Pradesh,

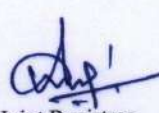
Unit-III Hand-woven Textiles

9 Hrs.


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Introduction of Hand-woven textiles, Design variations of Hand-woven textiles, Details of Chanderi, and Maheshwari Sari from Madhya Pradesh, Brocades from Banaras, Baluchari and Jamdani from west Bengal, Paithani from Maharashtra, Kanjeevaram from Tamil Nadu.

Unit-IV Shawls

9 Hrs.

Introduction and detail of Shawls: Origin, Region, Techniques, Process of Shawls, Divisions of Labor, Kashmir Shawls, Doshala, Char began, Dorukha, Chand dar, Kullu & Kinnaur Shawls, Wraps of north-east.

Unit-V Woven Carpets and Types of Art form

9 Hrs.


Introduction of Woven Carpets, types of Carpets, Needle felt Carpets, Knotted Carpets, hand tufted Carpets, Durries and rugs, Details of rugs. Introduction to types of Art forms, Gond art, Mandna art, Warli art, Madhubani Art, Fabric Painting.

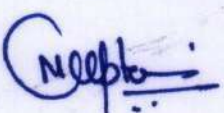
Textbooks:

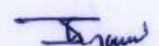
1. Traditional Indian Costumes and Textiles, Parul Bhatnagar, Abhishek Publication, 2004.
2. Traditional Indian Handcrafted Textiles Vol-I& II, Anjali Karolia, Niyogi Pvt Ltd, 2019.

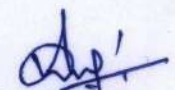
References:

1. Traditional Indian Textiles, John Gillow, Nicholas Barnard, Thames & Hudson Ltd, 1993.
2. Textile Visionaries: Innovation and Sustainability in Textile Design, Bradley Quinn, Laurence King Publishing, 2013.
3. Printed Textile Design, Amanda Briggs-Goode, Laurence King Publishing, 2013.
3. Sustainable Fashion and Textiles: Design Journeys, Kate Fletcher, Routledge. 2014.


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List of Experiments (Expand it if needed):

1. Demonstration of the motifs for types of Saris.
2. To study the process of resist dyeing.
3. To make sample of Warli art in fabric.
4. To prepare design for Shirt using fabric painting.
5. To study the types of Shawls & make PPT.
6. Create new designs with the help of Gond art.
7. To produce survey report on traditional textiles.
8. To study hand-woven textiles.
9. To prepare one Swatch file of different traditional textiles.
10. To prepare the sample of Resist dye.

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BDFD403	SEC	CAD IN FASHION	-	-	-	30	20	0	1	4	-	3

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

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Course Educational Objective (CEOs):

1. To make them understand CAD in the fashion industry.
2. The course will provide the knowledge related to fashion design software.
3. Course will provide knowledge about accessories and ornamentation effect in Fashion and Garment industry.
4. The course will provide hand of practice on CAD software related to the fashion industry.

Course Outcomes (COs): Students will be able to:

1. Develop different types of design patterns using basic softwares, Coral draw and Adobe Photoshop.
2. Ornament and give effect to any dress form.
3. Utilize tools for designing garment and dress forms.

List of Practical (Expand it if needed):

1. To study tools palettes in Corel draw for sketching and designing.
2. To prepare simple sketches of dress form pattern in Corel draw.
3. Prepare casual wear design for Men in Corel draw and apply different filters to enhance it.
4. Prepare one western design pattern for women's wear in Corel draw and apply different filters to enhance it.
5. Prepare one kids wear design pattern for same dress in Corel draw and apply different filters to enhance it.
6. Make a bold statement with expansive & innovative font options with Corel draw on T-shirts.
7. Show ornamentation effect on any dress form design in Corel draw.
8. To study tool palettes in Photoshop to understand the function and practice.
9. Prepare one Men's wear design pattern in Photoshop and apply different filters to enhance it.
10. Prepare one Women's wear design pattern in Photoshop and apply different filters to enhance it.
11. Prepare one kid's wear design pattern in Photoshop and apply different filters to enhance it.
12. Create special images to apply on any simple dress form design in Photoshop.
13. Show the effect of different color and shades to dress form in Photoshop for same design pattern.
14. Apply different effects and styles on any design to dress form in Photoshop.

References:

1. Men's wear pattern making, Alam Parwez Khan, Pankaj Publication, New Delhi, 2007.

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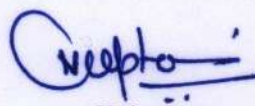
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BDFD403	SEC	CAD IN FASHION	-	-	-	30	20	0	1	4	-	3

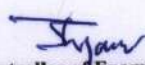
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2. Corel DRAW 2018 in Simple Steps Corel draw manual for designing.
3. Photoshop Manual for designing.
4. Corel DRAW Training Guide by Satish Jain.


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BDFD404	PC	FASHION ACCESSORY DESIGN - II	00	00	00	30	20	0	0	2	2	3

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Course Educational Objectives (CEOs):

1. To enable the students to understand the importance of accessories.
2. To impart knowledge on research, designing and manufacturing process.
3. To provide clear insights on various types of accessories and selection of materials.

Course Outcomes (COs):

After completion of this course the students will be able


1. To learn designing and making skills fashion accessories and jewellery.
2. Thorough understanding of the different accessories and embellishments.
3. Design and create accessories according to current trends, predictions, and market research.

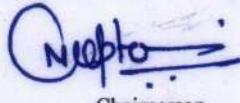
List of Experiments (Expand it if needed):

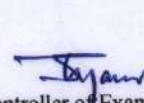
1. Designing ornamental accessories for pendants.
2. Designing ornamental accessories for waist bands.
3. Designing ornamental accessories for wrist band.
4. Designing ornamental accessories for sunglasses.
5. Designing ornamental accessories for key chain.
6. Designing ornamental accessories for head bands.
7. Designing ornamental accessories for neck tie.
8. Designing ornamental accessories for bow.
9. Designing ornamental accessories for rings, ear ring, bangles, bracelets
10. Formation of Theme board 2.

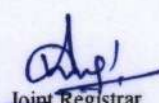
References:

1. Accessory design by Aneta Genova, Bloomsbury Publishing USA, 2011.


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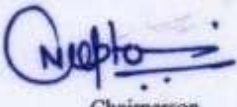
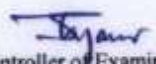
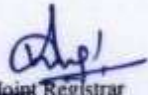


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BDFD404	PC	FASHION ACCESSORY DESIGN - II	00	00	00	30	20	0	0	2	2	3	

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

- Basics Fashion Design 09: Designing Accessories by John Lau, Bloomsbury Publishing, 2021.
- Fashion by Design by Janice Greenberg Ellinwood, Fairchild Books, 2021.
- Fashion Patternmaking Techniques for Accessories: Shoes, Bags, Hats, Gloves, Ties, Buttons, and Dog Clothing by Antonio Donnanno, Editeur distribué par Interforum, 2019.
- Fashion Design Course: Accessories by Jane Schaffer and Sue Saunders, BES Publication Corp, 2012. (Author
- Style Me Vintage: Accessories by Naomi Thompson & Liz Tregenza. Pavilion, 2014.
- Fashion Design: Process, Innovation and Practice by Kathryn McKelvey and Janine Munslow, Blackwell Publishing, USA, 2005.
- Colour forecasting by T. Diane and T Cassidy, Blackwell Publishing, 2005
- Understanding Fashion by Elizabeth Rouse, Blackwell Scientific Publication, 1989.

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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*					
BDFD405	PC	DRAPING-I	60	20	20	30	20	3	0	2	-	4

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

*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. To acquire the basic principles of draping.
2. The students are also to be acquainted with the three-dimensional process of designing.
3. The designer working from a sketch, or a mental picture give the three-dimensional form to an idea for a garment with the help of a dress form.

Course Outcomes (COs): After completion of this course the students will be able

1. To know basics of draping.
2. To apply the draping pattern making.
3. To transform a sketch or a mental picture with the help of dress form.
4. To create the three-dimensional form to an idea for a garment with the help of a dress form.

SYLLABUS

Unit-I - Introduction Basic Draping

9 Hrs.

Introduction to Basic draping tools, terminology, and principle of Draping, fabric used for draping, Preparation of fabrics, Preparation of dress form, Mannequin marking terms, draping pattern symbol.

Unit-II - Draping Pattern Making


9 Hrs.

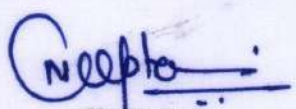
Basic patterns: Pleats, Ruffles, Gathers, tucks, Basic two dart bodice - front and back, one dart bodice, Basic sleeve, Basic skirt- front and back (single dart and double dart)

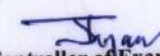
Unit-III - Dart Manipulation

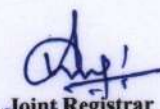
9 Hrs.

Dart manipulation conversion of darts into gathers, tucks and pleats, Princess bodice and its variations, Bodice with yoke, Necklines Collars: Mandarin, Convertible - shirt collar, Peter pan, Shawl, Notched collar Yoke: Shoulder, Midriff, Hip


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B. Des. in Fashion Design w.e.f. 2023-24

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			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDFD405	PC	DRAPING-I	60	20	20	30	20	3	0	2	-	4

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C – Credit; S - Studio.
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Unit-IV- Garment Draping on Figure **9 Hrs.**
Introduction to -Garment Draping on Figure, Principles of Garment Draping, Draping of garments from photographs, Different types of fold, Variations: Condensed folds, Loose folds, Diaper folds, Drop folds.

Unit-V Draping Different Type of Skirts: **9 Hrs.**
Draping different type of skirts: A-line skirt, flared skirt, Circular skirt, Pleated skirt- knife and box pleats, Skirt with yoke, Introduction to Bias draping and concept of Bias Grain Line, Draping Cowls, in Bodice Front.

Textbooks:

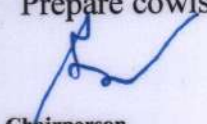
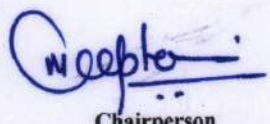
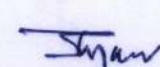
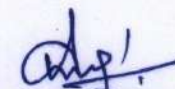
1. The Art of Fashion Draping by Connie Amaden-Crawford, Fairchild Books, 2018.
2. Draping for Apparel Design by Helen Joseph Armstrong, Bloomsbury Publishing India Private Limited, 2013.
3. Figure Drawing for Fashion Design by Elisabetta Drudi and Tiziana Paci, Pepin Press, 2002.

References:

1. Draping for Fashion Designers by Hilde Jaffe and Nurie Relis, Fairchild Publications, 2011.
2. Pattern-drafting for Fashion Draping by Teresa Gilewska, A & C Black, 2012.

List of Experiments (Expand it if needed):

1. Demonstration the details of draping techniques.
2. To study the basic skirts with draping techniques.
3. To study. the Bias grain line details
4. To study the Dart manipulation.
5. Prepare cowls.

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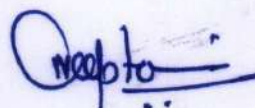
COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME										
			THEORY			PRACTICAL		L	T	P	S	CREDITS	
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*						
BDFD405	PC	DRAPING-I	60	20	20	30	20	3	0	2	-	4	

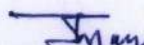
Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C – Credit; S - Studio.

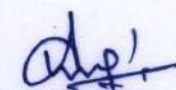
***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

- To draping the different types of Neckline through draping.
- To prepare the three skirts with the help of draping technique.
- Illustrate the Draping of garments from photographs.
- Prepare Ruffles, Gathers, and pleats.
- Prepare one dress on dummy with the help of draping technique.


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Choice Based Credit System (CBCS) in Light of NEP-2020
B. Des. in Fashion Design w.e.f. 2023-24

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			THEORY			PRACTICAL			L	T	P	S	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*						
BDFD416	PE	GARMENT CARE AND FINISHING	60	20	20	0	0	3	0	0	-	0	

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

*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):

The students will be

1. Knowledgeable about the requirement of water and different chemicals in garment chemical processing at different steps.
2. Provided knowledge about the concept of garment laundering, stain removal chemicals and laundering equipment's used in industries.
3. Provided knowledge about the garment finishing, garment care labelling and garment finishing equipment's.

Course Outcomes (COs): The student will be able

1. To select the water, dyes, and chemicals according to fiber type at different garment chemical processing stage.
2. To select the required cleaning agent, stain removal solvent and equipment as per the need of laundry without damaging the fabric.
3. To choose and suggest the finishing equipment for a particular garment.
4. To visualize the effect of wash on a garment/denim.

SYLLABUS


Unit I: Garment Chemical Processing

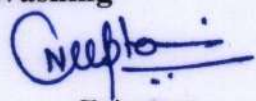
Concept of garment chemical processing. Concept of soft and hard water, methods of water softening. Garment dyeing; dye selection, machinery. Garment finishing: optical brightener, mercerisation, liquid ammonia treatment, stiffening, softening, crease resistant and crease retentive finish, anti-static finish, anti-bacterial finish, water proofing, flame proofing, soil release finish, mildew, and moth proofing.

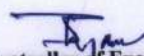
Unit II: Garment Laundering

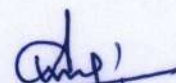
Principle and requirement of laundry, soaps, detergents, study of modern and industrial cleaning agents. Stain removal and various solvents for stain removal of blood, tea, rust, oil/grease, color matters, chemicals etc.

Unit III: Garment Washing


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Choice Based Credit System (CBCS) in Light of NEP-2020
B. Des. 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*						
BDFD416	PE	GARMENT CARE AND FINISHING	60	20	20	0	0	3	0	0	-	0	

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

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Different methods of washing, application of friction by hand rubbing- scrubbing- tumble wash. Garment laundry equipment's and study of different types of household/industrial washing machines. Different garment drying methods.

Unit IV: Garment Finishing Equipments

Garment finishing equipment's, steam iron, steam busters, vacuum ironing tables. Form finishing equipment's for trouser toppler, shirt press, collar/cuff press, jacket and coats. Study of boiler and related equipment for garment finishing room. Fusing machines for interlinings. Use of care labels and their norms.

Unit V: Denim Washing and Visual Effects


Concept of denim wash and its visual effects. Different methods of washing, stone wash, acid wash, enzyme wash, laser fading, ozone wash, micro sanding, Green washing.

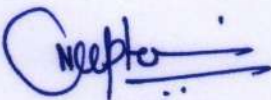
Textbooks:

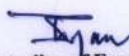
1. Household Textiles and Laundry Work by D. Deulkar, Atma Ram & Sons, New Delhi, 1993.
2. Garment Dyeing: Ready to wear fashion from the dyehouse, Edited by P. Harrison, The Textile Institute, 1988.
3. Fabric Care by Noemia D' Souza, New Age International (P) Ltd. Publisher, Chennai, 1998.
4. Care and Maintenance of Textile Products Including Apparel and Protective Clothing, R. Nayak and S. Ratnapandian, CRC Press, 2018.
5. An Introduction to Textile Finishing by J. T. Marsh, Chapman and Hall Ltd, London, 1979.

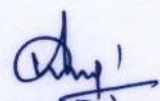
References:

1. Garment Manufacturing Technology, Edited by R. Nayak & R. Padhye, The Textile Institute, 2015.
2. Sustainability in Denim, Edited by S. S. Muthu, The Textile Institute, 2017.
3. Chemical finishing of textiles, W. D. Schindler & P. J. Hauser, The Textile Institute, 2004.
4. Fundamentals of Textiles and their care by S. Dantyagi, Oriental Longmans Ltd, New Delhi, 2006 (Fifth edition).
5. Technology of Textile Finishing by V.A. Shenai, Sevak Publications, Bombay, 1995.


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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*						
BDFD426	BS	APPAREL PRODUCTION SYSTEM AND MANAGEMENT	60	20	20	0	0	3	0	0	0	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C – Credit; S - Studio.
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Course Educational Objectives (CEOs):

1. To know the about Production system.
2. To develop the knowledge and skills for apparel production system.
3. To understand the management procedure.

Course Outcomes (COs):

After completion of this course the students will be able

1. To understand the Production system.
2. To develop creative approach with technical techniques for Production system.
3. To apply knowledge & skills for design the Apparel Production system.
4. To develop & apply managerial skills.

Syllabus


Unit-I Apparel Industry Plant Location 9 h

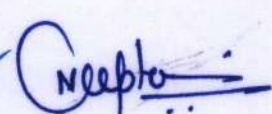
Introduction to Apparel Industry in India: Nature & Size. Location study for apparel industry
Introduction to Apparel Industry Plant, Different plant layout: Plant Layout, Process Layout, Product Layout and Combination Layout.

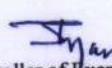
Unit-II Introduction to the Apparel Production System 9 h

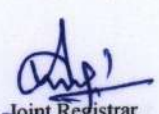
Production System & its basic components, Types of production systems, Apparel Manufacturing Systems- Progressive Bundle System, Unit Head Production System, Capacity planning in sewing, Operation breakdown, Introduction of Lean manufacturing.

Unit-III Materials Management 9 h


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BDFD426	BS	APPAREL PRODUCTION SYSTEM AND MANAGEMENT	60	20	20	0	0	3	0	0	0	3

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

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Materials Management: classification of materials, importance, and objectives of Materials Management. Introduction to Inventory Management. Introduction of MRP. Optimum level of production.

Unit-IV Method Study and Work Measurement

12 h

Concept and Need – Method Study and Work Measurement, Techniques, Process Chart Symbol, Process Flow Chart, Introduction to Time Study Method, Standard Time Data with Special Reference to Apparel Industry.

Unit-V Concept of Management

9 h


Meaning, Nature and Concept of Management, Evolution of Management Thoughts, Principles of Management and applications, Concepts and Process of Controlling

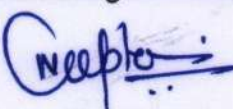
Textbooks:

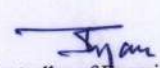
1. Apparel Production Management, K. Prabha Kumari & D. Anita Rachel, Karangal Publication, 2018.
2. Production Planning and Control, R.K Singal, Katson Books, 2014.
3. Principles of Management, Tripathi, P.C. and P N Reddy, Tata McGraw Hill Education, New Delhi, 2012.

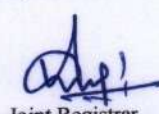
References:

1. Industrial Engineering and Management, OP Khanna, Dhanpat Rai Publication, 2018.
2. Production Planning and Control: Text and Cases, S.K. Mukhopadhyay, PHI Learning 2007.
3. Technology of clothing manufacture, Carr & Latham, Wiley Publisher, 2008


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B. Des. in Fashion Design w.e.f. 2023-24

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME										
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			END SEM University Exam	Two Term Exam	Teachers Assessment *	END SEM University Exam	Teachers Assessment *						
BDFD436	PE	OCCUPATIONAL SAFETY AND HEALTH	60	20	20	-	-	3	0	0		3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C – Credit; S - Studio.
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Course Educational Objectives (CEOs):

1. To acquire the basic knowledge of occupational safety and health.
2. The study about the problem of the apparel industry.
3. To study the importance of 5S.

Course Outcomes (COs):

After completion of this course the students will be able

1. To understand and apply the principal of occupational safety and health.
2. To understand the importance and implications of Labour Legislations.
3. To understand the occupational health surveillance and services.

Syllabus

Unit-I - Introduction Occupational Safety, Health

9 Hrs.

Introduction to Occupational safety, Health, and Environment Education- Safety & health, Occupational Hazards, Accident & Safety, First Aid, Basic Provisions, Ecosystem, Pollution, Energy Conservation, Environment.

Unit-II - Health and Safety Requirements

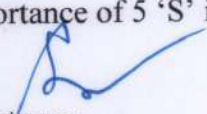
9 Hrs.

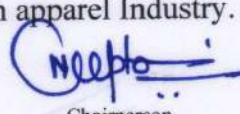
Workplace layout and design, machinery, and equipment safety, handling hazardous substances, fire safety, electrical safety, Ergonomics, first aid and medical facilities.

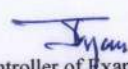
Unit-III – Labor Legislation


9 Hrs.

Provisions: Introduction, Aims, and Objectives, Importance, and Implications of Labour Legislations. Classification of Labour Legislation, Regulative and Protective Labour Legislations, Importance of 5 'S' in apparel Industry.


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Choice Based Credit System (CBCS) in Light of NEP-2020
B. Des. 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 *					
BDFD436	PE	OCCUPATIONAL SAFETY AND HEALTH	60	20	20	-	-	3	0	0	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C – Credit; S - Studio.
***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Unit-IV- Occupational Health Surveillance

9 Hrs.

Surveillance of the working environment, Monitoring of exposure, Occupational exposure limits, Record-keeping, Surveillance of workers' health-Medical examinations, health assessments and biological tests, Reporting of occupational accidents, injuries, and diseases.

Unit-V Occupational Health Services

9 Hrs.


General considerations, Functions, Primary health care approach, Curative health services and rehabilitation, Special occupational health needs, Cooperation, and coordination.

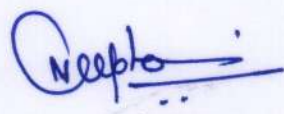
Textbooks:

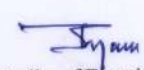
1. Fundamental principles of occupational health and safety by Benjamin O. Alli, International Labor Office, 2008.
2. Occupational Safety, Health and Working Conditions Code, Ministry of Law and Justice, Government of India, 2020.
3. Industrial Safety, Health, and Environment Management Systems, by Sunil S. Rao and R. K. Jain, Khanna Publishers, 2000.

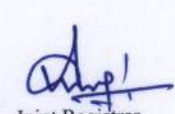
References:

1. Labour Legislation in India: Revised Edition [2021], Dr. O. P. Gupta, Dr. Vijay Gupta, January 2020.
2. <https://www.textileindustry.net/health-and-safety-requirements-in-garments>


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