

B.Sc., Fashion Technology and Costume Designing

Course code	23BFCA1	CARE AND MAINTENANCE OF TEXTILES	L	T	P	C
Elective - I (a)			3	-	-	3
Pre-requisite	Basic knowledge about fabric and garment care					
Course Objectives:						
The main objectives of this course are to:						
1. Gain a better understanding method in taking proper care of the clothing.						
2. Impart knowledge on machines and equipment's used in the washing, stoning and ironing process.						
3. Impart knowledge on the types of wash care labels and their meaning						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Identify suitable methods of washing, drying, ironing and storing					K1
CO2	Understand the wash care labels and act accordingly					K2
CO3	Appraise the types of equipment used in the care of fabrics					K3
CO4	Recognize the need for dry cleaning for fabrics					K2
CO5	Evaluate the methods and equipments to be used for a better life of clothes					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Water and Laundry Soaps: Water-hard and soft water, methods of softening water. Laundry soaps-Composition of soap types of soap, soapless detergents, detergent manufacture, advantages of detergents, Manufacturing process of soap and detergents					12hours
Unit:2	Finishes and Stain Removal					12hours
Finishes–Stiffening Agents –Starch(cold water and hotwater),Otherstiffeningagents,preparationofstarchLaundryblues,theirapplication. Stain removal common methods of removing stains; food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration/mildew, tar, turmeric and kum-kum.						
Unit:3	Washing, Drying and Ironing					12hours
Washing–Pointstobenotedbeforewashing.Machine–typessemi-automaticandFullyautomatic;Toploadingandfrontloading;washcyclesinawashingmachineDryingequipment's– Indoor and out door drying Ironbox–Partsandfunctionsofanelectricironbox;types-automaticironboxandsteamiron.Ironingboard – different types						
Unit:4	Laundrying of Different Fabrics					12hours
Laundrying of different fabrics– cotton and linen, woolens, coloured fabrics, silks, rayon and nylon. Special types of Laundry–waterproof coats, silk ties, leather goods ,furs, plastics, lace.						
Unit:5	Storing, Dry Cleaning and Care Labels					12 hours
Storing–Methods of storing clothes, Best way to store clothes Drycleaning–Benefits, differences between dry cleaning and laundry, Steps indry cleaning Carelabels –ImportanceandTypes-TheInternationalCareLabellingSystem,TheJapaneseCareLabelling System, The Canadian Care Labelling System, The European Care Labelling System, The American Care Labelling System						
					Total Lecture hours	60 hours

Text Books	
1	Wingate IB, Textiles fabrics and their Selection, Prentice-Hall Inc Publishers, 1946
2	Fundamentals of Textiles and their Care-Susheela Dantyagi, Orient Longmann Ltd, 1980
Reference Books	
1	Mildred T. Tate and Glisson O, Family Clothing, John Wiley & Sons Inc, Illinois, 1961
2	Durga Deulkar, Household Textiles and Laundry Work, Amla Ram & Sons, Delhi, 1951
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://tide.com/en-us/how-to-wash-clothes/how-to-do-laundry/your-comprehensive-guide-on-how-to-do-laundry#Step1
2	https://www.coats.com/en/Information-Hub/Care-Labels#:~:text=Labels%20should%20be%20designed%20based,5)%20Wringing%20%26%206)%20Drying
3	https://www.customclothinglabels.com/uses/why-are-care-labels-so-important/#:~:text=Care%20labels%20are%20essential%20when,run%20could%20ruin%20the%20fabric.
4	https://www.drycleaning.com.sg/blog/5-differences-between-dry-cleaning-and-laundry.html
5	https://www.rinse.com/blog/care/what-is-dry-cleaning/
6	https://fleming.ca.uky.edu/files/clothing_storage.pdf
7	https://www.home-storage-solutions-101.com/clothes-storage.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	L	L	L	L
CO2	L	M	M	S	S	L
CO3	L	M	M	M	M	L
CO4	L	M	M	M	M	L
CO5	L	L	M	M	M	L

*S-Strong; M-Medium; L-Low

Course code	23BFCAP1	CARE AND MAINTENANCE OF TEXTILES- PRACTICAL	L	T	P	C
Elective - I (a)			2	-	-	2
Pre-requisite	Basic knowledge about fabric and garment care					
CARE AND MAINTENANCE OF TEXTILES- PRACTICAL						
Identification of Textile fibers						
<ul style="list-style-type: none"> • Visual appearance test • Microscopic Test • Flammability Test. • Solubility Test 						
Stain removal						
<ul style="list-style-type: none"> • Vegetable stains • Tea, coffee, wine • Oil, Paint and grease stains • Ink, Chocolate, Blood 						
<ul style="list-style-type: none"> □ Study and collect the wash and care labels on fabrics □ Preparation of sample for stiffening agent. 						
Text book						
1. Wingate I B, Textile Fabrics And Their Selection , Prentice-Hall Inc Publishers, 1946.						
2. Fundamentals of Textiles and Care- Susheela Dantyagi, Orient Long mann Ltd, 1980						
Reference Book						
1. Mildred T. Tate And Glisson. O., Family Clothing, John Wiley & Sons Inc, Illinois, 1961.						
2. Durga Deulkar, Household Textiles And Laundry Work, Amla Ram & Sons, Delhi. 1951.						

Course code:23BFCA2	HOME TEXTILES		L	T	P	C
Elective II			3	-	-	3
Pre-requisite	Knowledge about choice of fabrics for Home Textiles					
Course Objectives:						
The main objectives of this course are to: 1. Impart knowledge on the various home textile products 2. Gain insights on the bed linens, kitchen linens, bathroom linens 3. Acquirebetterunderstandingonthechoiceoffabricsforthehometextileproducts						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Classify the home textile products					K2
CO2	Understand the types of floor and wall coverings					K2
CO3	Distinguish curtains and draperies					K4
CO4	Describe the types of soft furnishings					K1
CO5	Discover the types and functions of kitchen linen					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1						
Home Textiles – An Introduction						12hours
Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles						
Unit:2						
Floor and Wall Coverings						12hours
Floor and wall coverings– definition, types of floor covering –hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering- definition, uses, care and maintenance of wall coverings						
Unit:3						
Door and Window Treatments						12hours
Door and window treatments – definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of Curtains –draw, tailored, pleated,cafe,threetiercurtains.TypesofDraperies–swags.Accessories-rodshook,rails,racks,curtain Tapepins						
Unit:4						
Soft Furnishings for Living and Bed Linen						12hours
Introduction to living and bedroom linens, types- sofa,sofacovers,wallhangings,cushion,cushioncovers,upholsteries,bolsterandbolstercovers,bedsheet s,covers,blankets,blanketcovers,comfortandcomfortcovers,bedspreads,mattressandmattress covers, pillow and pillow covers, pads, uses and care.						
Unit:5						
Soft Furnishings for Kitchen and Dining						12hours
Soft furnishings for kitchen and dining, types of kitchen linens– kitchen towel, aprons, dishcloth, fridge, grinder and mixie covers, mittens, fridge holders– their uses andcare.Typesofdining-tablemat,dish/potholders,cutleryholder,fruitbaskets,handtowels- Uses and care .Bathroom linens– types, uses and care						
Total Lecture hours						
						60 hours

Text Books	
1	Home Comforts-The Arts and Science of Keeping Home, Cheryl Mendelson, Scribner, New York, 2005
2	Cushions and Pillows-Professional Skills-Made Easy, Hamlyn Octopus, Octopus Publishing Group, New York, 2001
3	The Ultimate Sewing Book 200 Sewing Ideas For You and Your Home, Magi Mc Cormick Gordon, Collins and Brown, London, 2002
Reference Books	
1	Design and make curtains, Heather Luke, New Holland publishers, London, 1999
2	Cornucopia of Cushions, Susie Johns, Apple Press, London, 1997
3	Art in Everyday Life, Harriet Goldstein and Vetta Goldstien, The Macmillian Company, 2004
4	Performance of Home Textiles, Subrata Das, Woodhead Publishing India Pvt. Limited, 2010
5	Home Furnishing, V. Ramesh Babu and S. Sundaresan, Wood head Publishing India Pvt. Limited, 2018
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.homestratosphere.com/types-curtains/
2	https://bettersleep.org/mattress-education/mattress-accessories/pillow-types/
3	https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html
4	https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review
5	http://www.india-crafts.com/textile/home-textile.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	S	M	M
CO2	S	S	S	S	M	M
CO3	S	S	S	S	M	S
CO4	S	S	S	S	M	S
CO5	S	S	S	S	M	S

*S-Strong; M-Medium; L-Low

Course code	23BFCAP2	HOME TEXTILES PRACTICAL		L	T	P	C
Elective II				-	-	2	2
Pre-requisite		Basic knowledge in sewing					
Course Objectives:							
The main objectives of this course are to: 1. Understand the types of home textiles. 2. Impart knowledge on the application of home textiles. 3. Design and home textiles.							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Understand the types of home textiles					K2	
CO2	Analyse the parts and functions of home textiles					K4	
CO3	Create designs for types of home textiles and show variations					K6	
CO4	Construct home textiles					K6	
CO5	Apply colour combinations and fabric selection throughout the process					K4	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
1.Preparation of Wall Hangings / Door Hanging (Design / Sketch 5 designs and construct one)						10 hours	
2.Preparation of Table linen set (Design / Sketch 5 designs and construct one)						20 hours	
<ul style="list-style-type: none">• Tablecloth• Runner• Placemat• Table Napkin							
3.Preparation of Bed linens (Design / Sketch 5 designs and construct one)						15 hours	
<ul style="list-style-type: none">• Bed sheets with Pillow Cover							
4. Preparation of Curtains and Draperies (Design / Sketch 5 designs and construct one)						15 hours	
Total Lecture hours						60 hours	
Text Books							
1	Home Textiles, T Karthik and D Goplala krishnan, Daya Publishing House, 2018						
2	Home Furnishing, V. Ramesh Babu and S. Sundaresan, Woodhead Publishing India, 2018						
Reference Books							
1	Interior decorating effects, Stewart and sally Walton, Lorenz books, 2000						
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	https://lunaweddingandeventsupplies.com.au/blogs/news/types-of-tablecloth						
2	https://valenciaextension.nmsu.edu/documents/housing--interior-design-id.pdf						

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	S	S	S	M
CO2	M	S	M	S	S	S
CO3	L	M	S	M	M	S
CO4	M	M	S	S	M	S
CO5	L	M	S	M	L	S

*S-Strong; M-Medium; L-Low

Course code	23BFCA3	FABRIC STRUCTURE AND DESIGN		L	T	P	C
Elective III				3	-	-	3
Pre-requisite		Basic knowledge about weaving.					
Course Objectives:							
The main objectives of this course are to:							
1. To learn the elements of woven design							
2. To study the different types of weave							
3. To understand the draft and lifting plan							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	To classify different types of weaves						K2
CO2	To draw the design, draft and peg plan of weaves.						K6
CO3	To differentiate between different type of weaves						K4
CO4	To construct different types of weaves						K6
CO5	Apply the methods of fabric representation						K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
Unit:1		Elements of Woven Design				15hours	
Elements of woven design, Methods of fabric representation, Draft and lifting plan, Construction Of elementary weaves–plain, warp rib, weft rib, twill, modification of twills, satin and sateen weave derivatives							
Unit:2		Types of Weaves				15hours	
OrdinaryandBrightenhoneycomb,itsmodification,Huckabackanditsmodifications,Crepeweaves, Mock leno							
Unit:3		Figured Fabrics				15hours	
ExtrawarpandExtraweftfiguring–singleandtwo colours,planting,backedfabric,warpandweftbacked Fabrics							
Unit:4		Pile Fabrics				15hours	
Pile fabric–Formation of pile–weft pile–plain back, twill back–length, density and fastness of pile–corduroy weft plush. Warp pile–Terry pile, with the aid of wires, face to face warp pile							
Unit:5		Double Cloth				75hours	
Double cloth–Classification, Self stitched–Face to back, Back to face, Both. Centre stitched– warp and weft. Inter changing double cloth.							
		Total Lecture hours				60 hours	
Text Books							
1	Gokarneshan N, Fabric Structure and Design, New Age International Publishers Ltd, New Delhi,200 4.						
2	Grosichkli Z Newness, Watson’s Advanced Textile Design, Butter Worths, London,1989.						
Reference Books							
1	Corbman BP, Textiles– FibretoFabric,InternationalStudentsEdition,Mc.GrawHillbookCo,Singapore, 1985						
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643						
2	https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain						
3	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2						
4	http://www.warporweft.com/types-of-looms						

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	S	S	S
CO2	M	S	L	S	S	S
CO3	M	S	M	S	S	S
CO4	L	S	M	S	S	S
CO5	L	S	L	S	S	S

*S-Strong; M-Medium; L-Low

Course code	23BFCAP3	FABRIC STRUCTURE AND DESIGN PRACTIC AL	L	T	P	C
Elective III			-	-	2	2
Pre-requisite	Basic knowledge about fabric structure					
Course Objectives:						
The main objectives of this course are to: 1. To identify the different types of weaves and knits 2. To analyse the fabric structure 3. To understand the woven fabric design and loop structure of knitted fabric						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Draw the design, draft and peg plan of weaves.					K3
CO2	Understand the weaving components					K4
CO3	Analyze the design aspects in the weaving pattern					K2
CO4	Identify loop structures of knits samples					K4
CO5	Deduct knitting samples by unravel and graphic representation					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Analyse the Following Fabric Structures						20 hours
1. Plain weave and its derivatives <ul style="list-style-type: none">• Warp rib• Weft rib 2. Twill Weave <ul style="list-style-type: none">• Right hand twill• Left hand twill 3. Satin and Sateen 4. Honeycomb Weave 5. Huck a Buck Weave 6. Extra warp figuring 7. Extra weft figuring						
Identify knitting samples by unravel and graphic representation						10 hours
1. Plain knit 2. Rib knit (1x1 and 2x2) 3. Pique						
Total Lecture hours						30 hours
Text Books						
1	GokarneshanN, Fabric Structure and Design, New Age International Publishers Ltd, NewDelhi, 2004.					
2	Grosichkli Z Newness, Watson’s Advanced Textile Design, Butter Worths, London,1989.					
3	Knitting Manufacture Technology, Anbumani, NewAge International,Chennai,2006					
4	KnittingandAppareltechnology,S.S.M.I.TCo-operativeSociety.2005					
Reference Books						
1	CorbmanBP, Textiles–FibretoFabric,InternationalStudentsEdition,Mc.GrawHillbookCo, Singapore,1985.					
2	KnittingTechnology,DBA Jgaonker,UniversalPublishingCorporation,1998					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	https://textilelearner.blogspot.com/2012/07/what-is-fabric-warp-weft-fabric.html					
2	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2					
3	https://feltmagnet.com/textiles-sewing/How-To-Analyze-A-Woven-Fabric					
4	https://www.textileschool.com/242/weaving-calculations/					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	M	S	S	S
CO2	M	S	M	S	S	S
CO3	L	S	S	S	S	S
CO4	M	S	S	S	S	S
CO5	M	S	S	S	S	S

*S-Strong; M-Medium; L-Low

Course code	23BFCA4	TEXTILE WET PROCESSING		L	T	P	C
Elective IV				3	-	-	3
Pre-requisite		Basic knowledge in textile finishing					
Course Objectives:							
The main objectives of this course are to:							
1. Prepare the fabric for finishing.							
2. Dye and print the fabrics using suitable dyes and prints.							
3. Prepare on Effluent and its impact							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Familiarize with the Process sequence in a textile industry					K2	
CO2	Explain the types of finishes					K1	
CO3	Discover the dyes and dyeing methods					K3	
CO4	Understand the various printing methods					K2	
CO5	Analysethepollutioncreatedbythetextileindustryandtheneedforeffluenttreatment					K4	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
Unit:1		Wet Processing Process and Basic Finishes				15hours	
Process sequence of textile wet processing ;Finishes types– Basic finishes, Aesthetic finishes, Functional finishes and Special purpose finishes Basic Finishes– Singeing, desizing, scouring, bleaching and mercerizing–Process sequence and methods.							
Unit:2		Aesthetic, Functional and Special Finishes				15hours	
Aesthetic finish–glazed, Moire, embossed, napped finish. Functional finish– Water repellant, flame retardant, antistatic finish. Special purpose finish–fragrance,antibacterial,stonewashandenzymewashindenimRecenttrends – An introduction Micro encapsulation and nano finishes.							
Unit:3		Dyes and Dyeing Machines				15hours	
Dyes–classification and suitability of dyes to the fabric, stages of dyeing– fiber, yarn, fabric and garment dyeing, Natural dyes and its significance. Dyeingmachines–loosestockfiberbale– hankpackage–jigger–winch–HT&HPBeam,jet– Padding mangles. Garment dyeing machines.							
Unit:4		Direct Printing				15hours	
Printing–Difference between dyeing and Printing. Preparation of Printing Paste, Properties and types of Thickeners. Direct Printing – Block Printing - History and techniques used. Screen Printing – Flat screen and Rotary screen, techniques used							
Unit:5		Resist, Discharge Printing and Effluent Treatment				15hours	
Resist Printing–Tie and Dye and Batik; Process sequence and techniques. Discharge Printing, other methods–Digital Printing, Heat transfer printing EffluentTreatment–Pollutioncreatedbytheprocessingunit,ProcesssequenceinEffluenttreatmentPlant							
Total Lecture hours						75 hours	

Text Books	
1	Textile Chemistry, Paters R.H, Elsevier Publishing, 1967.
2	Technology of Textile Processing, Shenai V.A., Sevak publications,Bombay,1981.
3	Textile Finishing, Shenai. V.A.Sevak Publications, Mumbai,1999.
Reference Books	
1	Functional Finishes, Menachem Lewin and StephenB.Sello,MarcelDekker,Inc.,1984.
2	Textile Finishing, R.S.Prayag, ShreeJ Printers, India, 1994.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://textilecourse.blogspot.com/2018/08/working-process-printing-
2	http://www.neoakruthi.com/blog/etp-for-textile-industry.html
3	https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html
4	https://www.textileschool.com/343/fabric-wet-processing-techniques/
5	https://www.fibre2fashion.com/industry-article/1699/special--finishes-to-garment-an-overview

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	S	S	S	L
CO2	M	S	S	S	M	S
CO3	M	S	M	M	S	S
CO4	M	S	S	S	S	S
CO5	L	L	S	M	M	L

*S-Strong; M-Medium; L-Low

Course code	23BFCAP4	TEXTILE WET PROCESSING PRACTICAL	L	T	P	C
Elective IV			-	-	2	2
Pre-requisite		Basic knowledge in Textile Wet Processing				
Course Objectives:						
The main objectives of this course are to: 1. Prepare the fabric for dyeing and printing. 2. Dye the fabric using suitable dyes. 3. Print the fabrics with direct and resist printing methods.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Modify the fabric properties by desizing,bleaching,scouring,and mercerizing					K2
CO2	Apply and use direct, reactive, vegetable and vat dye to the cotton fabric					K1
CO3	Apply acid and basic dye to silk fabric					K3
CO4	Analyze print designs with direct printing method–block and stencil					K4
CO5	Create print designs with resist printing–Tie and dye/batik					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1.Preparation of Samples for Processing						10hours
<ul style="list-style-type: none">• Desizing• Scouring• Mercerising• Bleaching						
2.Dye the Given Fabric Using Suitable Dye						10hours
<ul style="list-style-type: none">• Direct Dye• Basic Dye• Acid Dyes• Reactive Dyes• Vegetable Dyes(anyone)• Vat Dye						
3.Print the Fabric Using Suitable Dyes /Pigments						10hours
<ul style="list-style-type: none">• Block Printing–Wooden and Vegetable Blocks• Stencil Printing• Tie and Dye(use any three tying methods)• Batik Printing						
Total Lecture hours						30hours
Text Books						
1	An Introduction to Textile Finishing, Marsh. J.T, Chapman and hall Ltd, London, 1948.					
2	Shenai V.A., Technology of Textile Processing, Vol.III, V, VI, VII Sevak publications, Bombay, 1981.					
Reference Books						
1	Simple textile dyeing and Printing, Nora Proud, Bats ford Publisher, London, 1974.					
2	Science and technology of Textile Dyeing and Colouring, S.P.Mishra, New Age International (p) Ltd Publishers, 2016.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	https://www.youtube.com/watch?v=whm0UxZ9gnQ					
2	https://www.hamstech.com/blog/significance-of-dyeing-printing-in-fashion-designing/					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	S	S	S	M
CO2	M	S	M	S	S	S
CO3	L	M	S	M	M	S
CO4	M	M	S	S	M	S
CO5	L	M	S	M	L	S

*S-Strong; M-Medium; L-Low