



PSGR Krishnammal College for Women



**DEPARTMENT OF COSTUME AND APPAREL
DESIGN
PROGRAMME-B.Sc COSTUME DESIGN AND
FASHION**

**CHOICE BASED SYSTEM &
OUTCOME BASED EDUCATION SYLLABUS
(Semester – I ,II III & IV)**

**BACHELOR OF COSTUME DESIGN AND FASHION
2022-2025 BATCH**



PROGRAMME LEARNING OUTCOMES (PLO's)

PLO 1: To attain knowledge on fashion concepts and theories.

PLO 2: To gain hands on training on illustration of garment design manually and through computer application.

PLO 3: To gain skill on both manual and computerized pattern making.

PLO 4: To achieve skill on construction of children's men's and women's.

PLO 5: To gain knowledge on entrepreneur's skills on create value added garment.

PLO 6: To compile creating innovative garment collection with portfolio.

PLO 7: To gain knowledge on process sequence of textile and garment manufacturing.

PROGRAMME SPECIFIC OUTCOME (PSO's)

The students at the time of graduation

PSO1: Graduates will be able to work as a fashion designer, stylist, and accessory designer in film industries and celebrities

PSO2: Graduates are able to develop the fashion illustration techniques which help them to succeed as a unique professional in the Fashion industry

PSO3: Graduates of costume design students will be able to work as merchandiser, pattern maker, Fashion buyer, CAD Designer in Apparel Industries

PSO4: Graduates will be employed as assistant fashion designer, fashion designers with their NSDC certification (sector skill) of level - 4 and 5

PSO5: Graduates can function independently with their innovative, creative skills and excel as entrepreneurs and fashion consultant

PSO6: Graduates will be able to conduct the fashion shows and outline the fashion show

	CF22C02	Pattern Making and Grading-Theory-II	CC	4	56	4	3	50	50	100	3
	CF22P02	Apparel Design and Development laboratory – I (Practical-II)	CC	6	90	-	3	50	50	100	6
		Group B – Allied-Paper-II									
	CF22AP2	Allied Practical –II Fashion Illustration Practical	GE	6	90	-	3	50	50	100	5
IV	NME22B2/	Basic Tamil II /	AEC	-	-	-	-	-	-	-	-
	NME22A2/	Advanced Tamil II									
	OPS1210	Online course	-	-	-	-	-	-	-	-	Completion certificates
	CF22INS T1	Internship – Industry/Design		60 Hours /15 Days						100	2
V	21PELS1	Professional English for life science	AEC	3	26	4	2	50	50	100	2
VI	NM12GA W	General awareness		Self study	-	1	-	-	-	-	Grade

III			Group A – Core									
	I	TAM2203A / HIN2203A/ FRE2203A	Language – Tamil / Hindi / French – Paper III	Language	4	58	2	3	50	50	100	3
	II	ENG2203A	English Paper III	English	4	58	2	3	50	50	100	3
	III A	CF22C03	Textile Science-paper-III	CC	5	73	2	3	50	50	100	3
	III A	CF22P03	Textile Science lab (practical – III)	CC	6	90	-	3	50	50	100	4
			Group B – Allied									
	III A	CF22AP3	Allied Practical -III Draping lab	GE	6	90	-	3	50	50	100	4
	III		Skill based Subject									
		CF22SB01	Skill based Subject SBS-Concepts of Fashion	SEC	3	41	4	3	100		100	3

		and Design									0	
	NM22EVS	Foundation Course-II (Environmental Studies)*	AECC	-	-	-	-	100	-	1 0 0	Grade	
	NM22UHR	Foundation Course-III (Universal Human Values and Human Rights)*	AECC	2	30	-	-	100	-	1 0 0	2	
VI		Job Oriented Course		-	-	-	-	-	-	-	Submission of Certificates	

IV	I	TAM2204A/ HIN2204A/ FRE2204A	Language – Tamil / Hindi /French - Paper IV	Languag e	4	58	2	3	50	50	100	3
	II	ENG2204A	English Paper IV	English	4	58	2	3	50	50	100	3
	III		Group A – Core									
		CF22C04	Textile Processing- Paper-IV	CC	3	43	2	3	50	50	100	3
		CF22P04	Apparel Design and development lab- II(Practical – IV)	CC	7	120	-	4	50	50	100	4
			Group B – Allied IV									
		CF22AP4	Allied Practical –IV SurfaceOrnamentation Lab	GE	7	120	-	3	50	50	100	4
			Skill based Subject – II									
		CF22SB02	Skill based Subject Clothing Care and Maintenance	SEC	3	43	2	2	100	-	100	3
	IV	NM22DTG	Design Thinking	Finishing school part-A	2	28	2	2	100	-	100	2
		CF22INST2	Internship – Industry / Design		60 Hours / 15 Days						100	2
	V		Extension Activities									
	COCOACT	CO-CURRICULAR ACTIVITIES	-	-	-	-	-	-	-	-	1	
		Community service – 30 hours									Submission of Certificate	

CC – Core Courses
GE – Generic Elective
AEC – Ability Enhancing Course

CA – Continuous Assessment
ESE - End Semester Examination

Coursera Course: Fashion Marketing / CF22SBCE

S.No	Topics of the course	Link of the course	Duration of hours
1	Fashion retail transformation	https://www.coursera.org/learn/fashion-retail-transformation	10
2	Fundamentals of social media advertising	https://tinyurl.com/2cm9hen9	9
3	Pricing strategy	https://www.coursera.org/learn/pricing-strategy	14
4	Management of fashion and luxury companies	https://www.coursera.org/learn/mafash	12

Question Paper Pattern and distribution of marks UG Language and English

Language and English

Section A 6 x 2 (No choice) : 12 Marks

Section B 4 x 6 (4 out of 6) : 24 Marks (250 words)

Section C 2 x 12 (2 out of 3) : 24 Marks (500 words)

Total : 60 Marks

UG & PG- Core and Allied - (First 3 Units)

Question from each unit comprising of

One question with a weightage of 2 Marks : $2 \times 3 = 6$

One question with a weightage of 6 Marks (Internal Choice at the same CLO level) : $6 \times 3 = 15$

One question with a weightage of 12 Marks (Internal Choice at the same CLO level) : $12 \times 3 = 36$

Total : 60 Marks

End Semester Examination – Question Paper Pattern and Distribution of Marks

Language and English - UG

Section A 11 x 2 (11 out of 13) : 22 Marks

Section B 5 x 6 (5 out of 7) : 30 Marks (250 words)

Section C 4 x 12 (4 out of 6) : 48 Marks (600 - 700 words)

Total : 100 Marks

UG & PG - Core and Allied courses:

ESE Question Paper Pattern: 5 x 20 = 100 Marks

Question from each unit comprising of

One question with a weightage of 2 Marks : $2 \times 5 = 10$

One question with a weightage of 6 Marks (Internal Choice at the same CLO level) : $6 \times 5 = 30$

One question with a weightage of 12 Marks (Internal Choice at the same CLO level) : $12 \times 5 = 60$

Total : 100 Marks

CA pattern for 21-22 and 22-23 Batch

Theory

II & III Year UG / PG

CIA Test : 10 marks (Conducted for 60 marks after 50 days)

Model Exam : 20 marks (Conducted for after 85 days 100 marks (Each Unit 20 Marks))

Seminar/Assignment/Quiz : 10 marks

Class Participation : 7 marks

Attendance : 3 marks

Total : 50 Marks

Part IV

Value education / Environmental Studies / Design Thinking

Quiz : 50marks

Assignment : 25marks

Project / Case study : 25marks

Total : 100 Marks

Cyber Security I & II

Quiz : 60 Marks

Case Study : 20 Marks

Poster : 20 Marks

New changes for 22-25 and 21-24 batch is mentioned above. Departments to follow existing pattern for other courses (i.e, Practical, Internship, Project etc.)

INTERNSHIP TRAINING

The students have the option to select any organization – Government / private industries like textile industries, Designer boutiques and Jewell designers, CAD Designers, visual merchandiser, retail managers etc., in consultation with the staff co-coordinator & HoD. The students have to undergo training for a period of 15 Days at the end of II & IV semester. The students must maintain attendance, work diary and prepare report of the training undergone and submit the same to the department. On a stipulated date, there will be a viva-voce with internal examiners at the beginning of the semester. They have to produce industrial training certificate on the same day.

MODE OF EVALUATION	MARKS	TOTAL
Attendance	10	100
Work Diary	15	
Report	50	
Viva-voce	25	

Course No	SEMESTER-I	Category	L	T	P	Credit
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CF22C01	BASIC GARMENT CONSTRUCTION – PAPER I	Theory	56	4	-	3
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Preamble

To impart thorough knowledge on the parts and function of the sewing machine and the basic garment parts construction techniques.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the Sewing machine parts and their function, care and maintenance. Tools for measuring, marking, cutting and pressing.	K1
CLO2	Describe seams, seam finishes and fullness.	K2
CLO3	Develop the construction of plackets, sleeves, collars, yokes and fasteners as well as trims and decoration.	K3
CLO4	Analyse Industry 4.0 and 5.0	K4

Mapping with Programme Learning Outcomes

CLOS	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
CLO1	S	S	S	S	S	S	S
CLO2	S	S	S	S	S	S	S
CLO3	S	S	S	S	S	S	S
CLO4	S	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

Syllabus

Unit I: - Sewing Equipment and Seams

11 hrs

Sewing machines- parts and their function, care and maintenance. Tools for measuring, marking, cutting and pressing. Selection of thread and needle for various types of fabric. Seams, seam finishes and hems. Sewing techniques: Basic hand stitches- basting, running, tacking, hand overcast. Hemming stitches- plain and blind hemming, slip stitch, tailors tack. Domestic sewing machine, Industrial sewing machine. Special attachments.

Unit II: -Fullness, Skirts and Yokes

11 hrs

Fullness: Definition, Types of fullness – Darts, Tucks, Pleats, flares, godets, gathers, shires and frills. Calculating the amount of materials for these types.

Skirts: Different types of skirts – Drafting patterns for flares, gathered, pleated, gored, semicircular and circular skirts.

Yokes: - Definition, selection of yoke design, creating variety in yoke. Drafting patterns for yoke without fullness yoke with fullness within the yoke and yoke supporting or releasing fullness. Attachment of yokes

Unit III: -Necklines, Plackets, Fastness and Pockets

12 hrs

Neck Finishes: -Definition, Bias- definition, joining bias and uses. Bias facing and bias binding.

Plackets- Definition, characteristics of a good placket, classification – continuous bound, bound and faced, fly opening, zipper, tailored and centre front / shirt placket.

Fasteners, and button hole - Buttons and steps in attaching buttons, other types of fasteners. Button and button hole position and length of the button hole, types of buttonhole-Button loops-thread loops, fabric loop,

corded loop, corded frogs buttons and its types.

Pockets- Definition, classification, selection of pocket and creating variety in pockets.

Unit IV: -Sleeves, Collars and Trimmings

11 hrs

Sleeves:- Classification of sleeves, types of sleeves- plain, puff at top, bottom, bell, bishop, circular, leg-o-mutton, sleeveless styles, kimono and raglan. Pattern preparation for these sleeves.

Collars – definition, parts of collar, factors to be considered in designing collar, classification of collar. Drafting for peter pan, cape, scallop, puritan, sailors, chinese collar and Shirt collar.

Trimmings - Definition, types -Bias trimming, Ricrac, ruffles, embroidery, smocking, faggoting, Applique, lace, lace motifs, Scalloped edging, decorative fastening – belts and bows

Unit V: - Basic Garment Construction Related Industries - 4.0

11 hrs

Introduction to Garment related Industries 4.0 and 5.0

Adoption of industries 4.0 in the garment sector- Definition, Need,Goals, Design Principles and technologies, skills and advancements. Impactof garment related Industries 4.0 on Society, Business, Government and People.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Mary Mathews	Practical Clothing Construction Part-II. Designing	Drafting and tailoring Bhattarams Reprographics (P) Ltd	1991
2	Zarapkar K.R	System of Cutting	Navneet Publications India	2005
3	Hilary Campbell	Designing Patterns	Om Book Services, New Delhi	2003
4	Helen Joseph	Pattern Making for Fashion Design	Armstrong Pearson Education, Delhi	2000
5	Kaliraj.P, Devi.T	Higher Education for Industry 4.0 and Transformation to Education 5.0	MDPI Multidisciplinary Digital Publishing Institute	2020
6	Gerry Cooklin	Introduction to Clothing Manufacture, second edition Revised by Steven Hayes and John Mcloughlin	Blackwell publishing	1991
7	ONLINE REFERENCE: <ul style="list-style-type: none">• Introduction to Industry 4.0 and Industrial Internet of Things by Prof.Sudip Mishra, IIT Kharagpur.• A Complete Guide to Industry 4.0- Udemy.			

Course Designer

1. Dr.R.Radhika

Course No	SEMESTER-I	Category	L	T	P	Credit
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CF22P01	BASIC GARMENT CONSTRUCTION LAB- (PRACTICAL - I)	Practical	-	-	90	6
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Preamble

To impart skills on basic garment parts construction techniques.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Select and maintain the sewing machines.	K2
CLO2	Develop the samples with seams and fullness.	K3
CLO3	Produce the suitable Facing and Binding samples.	K3
CLO4	Prepare the miniature samples plackets, fasteners, sleeves, yokes, collars, pockets and mask	K3

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PL06	PLO7
CLO1	S	S	S	S	S	S	S
CLO2	S	S	S	S	S	S	M
CLO3	S	S	M	S	S	S	S
CLO4	S	S	S	M	S	S	S

S- Strong; M-Medium; L-Low

Syllabus

- Demonstrating- operating, cleaning and oiling of sewing machine. **5hrs**
- Preparation of samples for seam – plain, top stitched, flat fell, piped, mantua maker seam. **8hrs**
- Preparation of samples for seam finishes- Edge stitched, double stitch, overcast, bound, hem and darning methods. **8hrs**
- Preparation of samples for fullness-Darts, tucks- pin tucks, cross tucks, Group tucking with scalloped effect, Pleats- knife pleat, box pleat, kick pleat, fan pleat. **8hrs**
- Preparation of samples for fullness-Gathering – Gathering by hand, machine, elastic Ruffle- single, double, circular, Godets. **8hrs**
- Preparation of samples for facing and binding- bias facing, shaped facing and binding. **8hrs**
- Preparation of samples for Plackets- continuous bound, Two-piece placket, zipper and tailored placket. **8hrs**
- Preparation of samples for fasteners - button and buttonhole, Hook and eye and Press button. **5hrs**
- Preparation of samples for sleeves- plain sleeve, puff sleeve, Raglan sleeve and cap sleeve. **8hrs**
- Preparation of samples with yoke- partial yoke, simple yoke and yoke supporting

fullness.

8hrs

11. Preparation of samples for collar and Pocket- Peter Pan collar, shirt collar and shawl collar, patch pocket, bound pocket and side pocket.

8hrs

12. Preparation of sample for mask – pleated mask and padded mask.

8hrs

Online Referance :

<https://youtu.be/j434tTfoYME>

Course Designer:

Dr.R.Radhika

Course No CF22AP1	SEMESTER-I ALLIED PRACTICAL - I FASHION DESIGNING AND BASIC ILLUSTRATIONS LAB (PRACTICAL)	Category	L	T	P	Credit
		Practical	-	-	90	5

Preamble

To give training on illustrating fashion concept and theories.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate the motif of the embellishment.	K2
CLO2	Illustrate elements and principles of design, colour theories and harmonies.	K3
CLO3	Develop the garment components and accessories.	K3
CLO4	Determine the details of fullness	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PL06	PLO7
CLO1	M	S	S	M	L	M	M
CLO2	S	S	S	M	L	S	S
CLO3	S	S	S	M	L	S	S
CLO4	S	S	L	M	M	S	S

S- Strong; M-Medium; L-Low

Syllabus

- Elements of Lines (Straight, Wavy, Radiating related to Textile stripes), dots, checks, curves and Points, Form, Shape, Size, Texture. Dawing Techniques- Shading, Smudging,hatching techniques(Cross hatching, Scribbling, Doodling) **10 hrs**
- Fabric Rendering – learning to simulate textures of various fabrics – **10 hrs**
Velvet, Silk, Fur, Denim,Printed cotton, Lace, Net, Embroidery, Leather,Satin, Sequins.(Each-1) Design a dress using any one Fabric Rendering.
- Types of Motifs (any-1) -(Natural/ Geometric/Abstract/Stylized/Conventional motifs)Enlarging and Reducing Motifs- Grid techniques of drawing **9 hrs**
- Application of Elements of Design in Garments-line, Colour, Texture, Shape and Size. **8 hrs**
- Application of Principles of Design in Garments- Harmony,Rhythm, Proportion, Balance (Symmetrical and Asymmetrical balance) and Emphasis **9 hrs**
- Preparation of colour charts –Prang Color Chart, Value chart and Intensity charts. **10 hrs**
- Application of Colour Harmony in garment design – Monochromatic colour Harmony, Analogous colour harmony, Complementary colour harmony, Double Complementary colour harmony, Split complementary Colour harmony,Triad and Tetradiccolour harmony **9hrs**
- Illustrating details of Fullness-pleats, ruffles, shirring and smocking.(Each 2) **8 hrs**
- Illustrating Features and Garments -pockets, Collars, sleeves, yokes, skirts, trousers, tops.(Each 2) **8 hrs**
- Illustrating Ornaments and Accessories – Necklace, Bracelet, Earring , **9hrs**

Rings, Head Piece, hat, handbags, Shoes, gloves, coolers and masks. Anklet. (Each 5)

Reference link

Ex no :1 <https://youtu.be/UwbjsrY2ps8>

Ex no:2 <https://youtu.be/phO4E2A4KKg>

Ex no:3 <https://youtu.be/Q0W39iKaEmQ>

Ex no: 5 <https://youtu.be/bDDyDvUYJoI>

Ex no:8 <https://youtu.be/fGVdntklOMg>

Course Designer:

Dr.R.Radhika

Course No CF22C02	SEMESTER-II	Category	L	T	P	Credit
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	PATTERN MAKING AND GRADING – THEORY- II	Core	56	4	-	3
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Preamble

To impart knowledge on methods of pattern making, grading, pattern alteration and pattern layout.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Define body measurement, pattern making and shifting darts.	K1
CLO2	Explain the importance of body measurements, pattern making, and styles creates by shifting of blouse darts, fitting pattern alteration and pattern layout.	K2
CLO3	Grading the bodice front, back and sleeve and then transfer into a fabric for cutting.	K3
CLO4	Analyze the layout, types of layout and adjustment of cloth if insufficient to pattern.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PL06	PLO7
CLO1	S	S	S	S	M	S	S
CLO2	S	S	S	S	M	S	S
CLO3	S	S	S	S	M	S	M
CLO4	S	S	S	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

11 hrs

Body measurement –importance, preparing for measuring, ladies measurements, boys and men’s measurements. Standardizing body measurements –importance, techniques used. Relative length and girth measures in ladies /gentlemen.

UNIT II

11 hrs

Pattern making –method of pattern making – (Drafting and draping), merits and demerits.Types of paper patterns (Patterns for personal measurements and commercial patterns) Principles of pattern drafting.Pattern details, steps in drafting basic bodice front and back and sleeve.

UNIT III

11 hrs

Styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to seam and partial yokes and incorporating darts in to seams forming yokes. Fitting - Standards of a good fit, steps in preparing a blouse for fitting, checking the fit of a blouse, solving fitting problems in a blouse, fitting techniques.

UNIT IV

11 hrs

Pattern alteration – importance of altering patterns, general principles for pattern alteration, common pattern

alteration in a blouse. Pattern grading –definition, types, manual –master grades, basic front, basic back basic sleeve, basic collar and basic grading.

UNIT V

12 hrs

Pattern layout- definition, purpose, rules in layout, principles of pattern layout , types of layouts for length wise stripped designs, fabric with bold design, asymmetric designs and one way designs. Remedies for insufficient cloth, fabric cutting, transferring pattern marking, stay stitching, ease stitching. Preparation of fabric for cutting – importance of grain in cutting and construction, steps in preparing the fabric for cutting.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Mary Mathews	Practical clothing construction	Cosmic press Chennai	1986
2	Gerry cooklin	Pattern Grading for women’s clothing	Blackwell Science Ltd	1990
3	Zarapker.	Zarapker system of cutting	Navneet publications Ltd	2006
4	ConneAmaden	Crawford, “Fashion Sewing: Advanced Techniques”	Bloomsbury Publishing Plc.,UK	2015
5	Helen Joseph Armstrong	Pattern Making for Fashion Design	Pearson Education (Singapore) Pvt Ltd	2005
6	Helen Joseph	Patternmaking for Fashion Design	Peason Educations, New Delhi	2013
7.	Kathy K. Mullet	Concepts of Pattern Grading Techniques for Manual and Computer Grading	Bloomsbury Publishing	2015
8	Sterlacci , Francesca	Pattern making : techniques for beginners	Laurence King	2019
9.	Nakamichi , Tomoko	Pattern magic 3 English edition.	Laurence King	2016

Course Designer:

Dr.R.Radhika

Course No CF22P02	SEMESTER-II APPAREL DESIGN AND DEVELOPMENT LABORATORY – I (PRACTICAL – II)	Category	L	T	P	Credit
		Practical	-	-	90	6

Preamble

To train the students with designing, drafting and construction of children's garments.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Design and Illustrate children's garment.	K2
CLO2	Draft and construct the design for children's garment	K3
CLO3	Select and apply suitable decorative finishes for emphasis the garment and Calculate the material and fastener requirement for each garment.	K4
CL04	Design development, pattern development and product development for a particular garment	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
CLO1	S	S	S	S	S	S	S
CLO2	S	S	S	S	S	S	S
CLO3	S	S	S	S	S	S	S
CLO4	S	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

Syllabus

Designing, drafting and constructing the following garment.

- | | |
|---|---------------|
| 1. Bib and Bonnet | 8 hrs |
| 2. Baby wrapper and Apron | 8 hrs |
| 3. Mittens and Booties | 8hrs |
| 4. Jabla and Panty | 8 hrs |
| 5. Jumpsuit | 8 hrs |
| 6. Summer frock | 8 hrs |
| 7. Yoke frock- | 10 hrs |
| 8. Kid's Waist Coat | 8 hrs |
| 9. Bloomers | 8 hrs |
| 10. Design Development (any one Garment) | 6 hrs |
| • Research | |
| • Finalization of Theme | |
| • Sourcing | |
| • Finalization of Designs | |
| • Measurements and Specification sheets | |
| 11. Pattern Development | 10 hrs |
| • Development of Basic Blocks | |

- Pattern Making and Layout

Product Development

- Construction on actual fabric
- Photo shoot
- Compose the above details as portfolio sheets

Reference:

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Emma Hardy	Making children's clothes	Cico	2009
2	Laura strutt	Sewing for babies and children	Freelance	2017
3	Rene Bergh	Kids clothes sew easy	Struik publisher	2003
4	Yoshiko Tsukiori	Girls style book	Tuttle publishing	2012

Course Designer:

1.Dr.R.Radhika

Course No CF22AP2	SEMESTER-II ALLIED PRACTICAL – II FASHION ILLUSTRATION PRACTICAL	Category	L	T	P	Credit
		-	-	-	90	5

Preamble

To give a thorough knowledge on illustrating the boy, girl, women and men figures with three views, accessories, head theories, fashion figures. Designing boy, girl, women, garments with seasons.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate –front, back and side view and poses of boy, girl, women and men.	K2
CLO2.	Features of human body and Develop designs for different wears.	K3
CLO3	Illustrate garments for men, women and children with different seasons. Illustrate the photographic poses to fashion stylized figures.	K3
CLO4	Design development and product development for a Portfolio designs	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PL06	PLO7
CLO1	S	S	S	S	S	S	S
CLO2	S	S	S	S	S	S	S
CLO3	S	S	S	S	S	S	S
CLO4	S	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

Syllabus

The students will be given knowledge to develop the skill of sketching.

1. Illustrating human figure in proportion using 8, 9 to 12 head theory –Stick figure, block figure and fleshy figure in standing poses and body figure, features and hair styling basics **8 hrs**
 - a. Illustrating detail -Eyes, Ears, Nose, Lips, Fingers, Feet, Hand and Legs **8 hrs**
2. Illustrating fashion figure – in Front View, Back View, Side View **8 hrs**
3. Different postures of fashion figure- S, X, T pose. **8 hrs**
4. Create Flat Sketches for Children - Casual Wears, Night Wear and Picnic Wear with Back Ground. **8hrs**
5. Designing Flat Sketches for Men - office wear and sportswear with back ground. **7 hrs**
6. Designing Flat Sketches for women - party wear and lingerie with back ground. **7 hrs**

7. Design and Illustrate traditional costume any two states of India. 8 hrs
8. Create Fashion Illustration from Magazines/photography. 6 hrs
9. Designing garment with croquis from selected theme/inspiration. 8 hrs
- 11.Design Development(Men's/Women's/Children's) 7 hrs

- Research
- Finalization of Theme
- Sourcing
- Fabric Board
- Color board
- Finalization of Designs

12.Product Development 7 hrs

Flat sketch to Final Sketch based on theme

- Preparation of Mood board
- Photo shoot
- Compose the above details as portfolio sheets

Reference:

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Parragon (Author)	Fashion Handbook: Everything You Need to Know About Style (Girls Only) Hardcover	Parragon Inc	(1 February 2008)
2	Lisa Steinberg (Author)	Beginner's Guide to Sketching the Fashion Figure: Croquis to Design - Bundle Book + Studio Access Card Paperback	Fairchild Books	(2 April 2020)
3	Lisa Steinberg (Author)	Beginner's Guide to Sketching the Fashion Figure	Bloomsbury Publishing	Feb 20 2020

Course Designer:

Dr.R.Radhika

Course No CF22C03	SEMESTER-III TEXTILE SCIENCE	Category	L	T	P	Credit
		Theory	43	2	-	3

Preamble

To impart knowledge on the process sequence of fibre to fabric.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the textile fiber	K1
CLO2	Associate the properties and manufacturing process for different fibers	K2
CLO3	Discover the process involved in yarn formation, weaving and knitting.	K2
CLO4	Analyse the procedure involved in other fabrication methods	K4

Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05	PL06	PL07
CLO1	M	M	M	M	S	M	M
CLO2	M	M	M	M	S	M	M
CLO3	M	M	M	M	S	M	M
CLO4	M	M	M	L	S	M	M

S- Strong; M-Medium; L-Low

Syllabus

Unit-I

8 hrs

Definition of Textile Fibers, Classification of Fibers. Properties and manufacturing process of Natural Fibers- * Cotton, Linen, Jute, Pineapple, Hemp, Bamboo, Banana, Silk, Wool and Hair fibers*.

Unit-II

8 hrs

Properties and manufacturing process of Manmade Fibers- Viscose Rayon, Polyester, Nylon, *Nylon 66 and Acrylic*.

Unit-III

9 hrs

Yarn manufacturing- Definition and Sequential process -*Blending, Opening, Cleaning, Doubling, Carding, Drawing, Roving, Spinning*. Classification of Yarn – Simple, Lycra and Fancy yarns. Sewing thread and its properties.

Unit-IV

9 hrs

Weaving- Sequential process in weaving- winding, warping, sizing, beaming, weaving. Types of weaves- basic weaves – Plain, twill, satin, Sateen, Fancy weaves- pile, double cloth, leno, swivel, dobby and jacquard.

Unit-V

9 hrs

Knitting- Definition –classification, Types of knitting. Weft knitting-Single jersey, rib, interlock, jacquard, Warp knitting – Tricot, Rachel. Non-wovens -Definition, Types of non-wovens, manufacturing process and properties of felting, bonding, lamination, braiding.

*Blended Mode of Learning

Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar, demonstration

Reference Book

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Corbmann B.P	Textiles –fibre to fabric, International student’s edition	McGraw Hill, Singapore	1985
2	Joseph J Pretal	Fabric Science 5th edition	Fairchild Publications ,Newyork	1990
3	David spencer	Knitting technology	pergamen press, Oxford	1982
4	H.V.Sreenivasa Murthy	Introduction to textile fibres (revised edition)	woodhead publishing India in textiles	30th June 2015
5	Xiaogang Chen	Advances in 3D textiles	woodhead publishing India in textiles	28th May 2015
6	RavindraAdivare , Mohammad Shadid	Advances in functional finishing of textile	Springer	10th June 2020
7	Subramanian SenthikannanMuthu	Chemical Management in textiles and fashion	Elsevier	29th Sep 2020
8	Cristina Carvalho, Gianni Montagna	Textiles, Identify and Innovation	CRC Press Taylor and Francis group	2020

Reference link

UnitIV - <https://textilelearner.net> > sateen-weave-features-classifi...

UnitV - <https://www.sciencedirect.com/topics/engineering/circular-knitting-machine>

CourseDesigners:

Dr.R.Radhika

Course No	SEMESTER-III TEXTILE SCIENCE LAB	Category	L	T	P	Credit
		Practical	-	-	60	4

CF22P03**Preamble**

To identify fiber and perform fiber yarn and fabric test.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the different Textile fibre	K2
CLO2	Describe the Yarn count, Twist, weight and Fabric Count	K2
CLO3	Calculate the Course and Loop Length of Knitted Fabric	K3
CLO4	Analyze the color fastness, shrinkage and Absorbency of given Fabric	K4

Mapping with Programme Outcomes

CLOs	PL01	PL02	PL03	PL04	PL05	PL06	PL07
CLO1	M	M	M	M	S	M	S
CLO2	M	M	M	S	M	S	S
CLO3	M	M	M	M	S	M	S
CLO4	M	M	M	M	S	S	S

S- Strong; M-Medium; L-Low

Syllabus**Identification of Textile Fibres**

Cotton, Silk, Wool, Nylon, Polyester, Linen, Rayon, Jute, Bamboo and Banana.

1. Microscopic Method **8 hrs**
2. Flame test.
3. Chemical test.

Testing of yarns:

1. Counting of the yarn using wrap reel. **6 hrs**
2. Counting of the yarn using Beasley's balance. **6 hrs**
3. Twist of the yarn using twist tester. **6 hrs**

Testing of Fabric:

1. Determining the weight of the fabric. **6 hrs**
2. Determining the fabric count by **6 hrs**

a. Ravelling method	
b. Pick Glass method	
3. Course length and loop length of knitted fabric.	6hrs
4. Colour fastness test- Wash, Light	6hrs
5. Shrinkage Test.	5hrs
6. Absorbency Test.	5hrs

Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration.

Reference link

EX:NO:2(1) <https://textilelearner.net/determination-of-the-yarn-count-by-wrap-reel/>

EX:NO:2(2) <https://www.testing-instruments.com/blog/determine-the-exact-weight-and-length-of-yarn-with-bee-sley-balance/>

EX:NO:2(7) <https://textilelearner.net/determine-color-fastness-to-wash/>

Course Designers:

1. Dr. R. Radhika

Course No CF22AP3	SEMESTER-III ALLIED PRACTICAL -III DRAPING LAB	Category	L	T	P	Credit
		Practical	-	-	60	4

Preamble

To teach the students the basic principles of draping. To enable students to create their own designs on a three-dimensional dress form using draping method.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Describe fabric for draping and pattern conversion for basic blocks.	K2
CLO2	Express patterns for sleeves, collars and yokes by draping method.	K2
CLO3	Develop patterns for yokes and skirts by draping method.	K3
CLO4	Determine and develop patterns for shirts by draping method.	K4

Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05	PL06	PL07
CLO1	S	M	L	S	S	S	L
CLO2	S	S	L	S	S	S	L
CLO3	S	M	L	S	S	S	L
CLO4	S	S	S	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

1. Preparation of fabric and draping - front bodice, back bodice and sleeve.

6hrs

2. Conversion of drape fabric into pattern- front bodice, back bodice and sleeve.

5 hrs

3. Preparation of fabric and draping for sleeves- Raglan sleeve and cowl sleeve.

6hrs

4. Conversion of drape fabric into pattern for sleeves- Raglan sleeve and cowl sleeve.
5hrs
5. Preparation of fabric and draping for collars- Peter pan, Mandarin and Shawl Collar.
6hrs
6. Conversion of drape fabric into pattern for collars- Peter pan, Mandarin and Shawl Collar.
6hrs
7. Preparation of fabric and draping for yokes - Shirt yoke, partial yoke and midriff yoke.
6hrs
8. Conversion of drape fabric into pattern for yokes- Shirt yoke, partial yoke and midriff yoke.
6hrs
9. Draping basic skirts –Plain skirt, Pleated skirt and Flared skirt.
8hrs
10. Conversion of drape fabric into pattern –Plain skirt, Pleated skirt and Flared skirt.
6hrs

Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration.

Reference Link:

Ex no: 2 <https://youtu.be/BhG9Sp3UutI>

Ex no: 7 <https://youtu.be/SXNgrRp2EU4>

Ex no : 8 https://youtu.be/jJ_RnpbGzbc

CourseDesigners:

1. Dr. R. Radhika

Course No CF21SB01	SEMESTER-III SBS - CONCEPTS OF FASHION AND DESIGN	Category	L	T	P	Credit
		Theory	41	4	-	3

Preamble

To understand the effect of various social and psychological factors on clothing. To study the psychological effect of clothing on the individual in social situations. To impart knowledge on fashion, fashion designers and world fashion centers.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Number	CLO Statement	Knowledge Level
CLO1	Define fashion, fashion terms and concepts.	K1
CLO2	Describe Fashion Cycle.	K2
CLO3	Construct Fashion Trends with Designers Idea	K3
CLO4	Analyse Fashion Forecasting	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
CLO1	S	S	S	S	S	M	M
CLO2	S	S	S	S	M	S	M
CLO3	S	S	S	S	M	M	S
CL04	S	S	M	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

8 hrs

Definition of fashion concepts. Terms related to the fashion clothing - fashion, style, fad, classic, and collection, chic, custom made, mannequin-types of mannequin, vintage, capsule wardrobe, boho, elegant, vogue, brand, ready-to-wear, silhouette, designerlable, mass fashion, knock off/high street, avantgrade, fashion show, trend, forecasting, high fashion, fashion cycle, haute couture. Consumer groups in fashion cycles – fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers

UNIT II

8 hrs

Design – definition, Design types- natural, stylized, geometric, historic and abstract, garment design- structural, decorative and functional. Elements and principles of design. Color – Definition, Dimensions of colour- Hue, Value and Intensity, Colour categories And psychology - Warm and Cool

colours, advancing and receding colours, Colour theories – Prang colour system and Munsell colour system - colour harmonies.

UNIT - III

9 hrs

Principles of fashion movement, fashion evolution, fashion cycle – length of fashion cycle, Adoption of fashion – trickle down, trickle up and trickle across theory, Reverse adoption. Factors influencing fashion changes –psychological needs of fashion, social psychology of fashion, technological, economical, political, legal and seasonal influence. Role of costume as a status symbol, personality and dress, clothes as sex appeal, cultural value fashion cycles, repetition of fashion. Fashion services, video services, news letter services, web sites, directories and references.

UNIT -IV

8 hrs

*Understanding fashion designer - Indian and global fashion designers. Haute couture - Indian fashion designers – **sabyasachimukherjee, rohitbal, manishmalhotra, taruntahiliani, masaba, abujani and Sandeep khosla, neetalulla, ritukumar, rituberi, anitadongre** . World fashion centers –france, italy, america, britain. Fareast- Contributions of well-known designers from France-Agnes, Sophie Albou Italy- Pierre Cardin, Roberto Cavalli America - Adams Adrian, Joseph Abboud. Britain -Basso & Brooke and Fareast Countries - Sandy Powell, Valentino Garavani*.

UNIT -V

8 hrs

Fashion Forecasting – role of forecasting agencies, techniques and presentation of forecast. Design process – Innovation of practice, analyzing the brief, Research inspiration – Research direction, prototyping, planning a collection, designer boards, ethnographic research, trend forecasting and portfolio presentation. Organizing fashion show.

***Blended Mode of Learning**

Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar, demonstration.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1.	London College of Fashion	Fashion:Cultural History Psychology	London College of Fashion,UAL	16th May 2016
2	Kim.P.Johnson, Nancy Ann Rudd,SharronJ. Lennon	Social Psychology of dress	Bloomsbury	2017

2	Margaux Baum, Margaret Scott	Fashion and clothing (Life in the middle age)	Rosen central	1st Jan 2017
3	Carolyn mair	The Psychology of Fashion	Routledge London	March 2018 1st edition
4	Mary Ellen Snodgrass	World Clothing and Fashion	routledge	28th march 2019

Online Reference Link

<https://textilelearner.net/stages-of-fashion-cycle/>

<https://www.slideshare.net/Tamilselvan245/fashion-cycle-adaption-of-fashion>

<https://pahaldesign.com/10-best-fashion-designer-of-world/>

<https://www.cosmopolitan.com/style-beauty/fashion/g34647685/indian-fashion-designers/>

Blended Mode of Learning

<https://shilpaahuja.com/20-top-fashion-designers-india/>

<https://pahaldesign.com/10-best-fashion-designer-of-world/>

<https://www.wgsn.com/en/products/fashion>

Course Designers:

Dr.R.Radhika

Course No CF22C04	SEMESTER-IV TEXTILE PROCESSING PAPER IV	Category	L	T	P	Credit
		Theory	43	2	-	3

Preamble

To familiarize the students with different textile pretreatment processes and finishing processes.

Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Define preparatory process of gray fabric	K1
CLO2	Contrast Mercerization and bleaching process	K2
CLO3	Apply Printing and Dyeing techniques on textile materials	K3
CLO4	Categorize the Textile Effluent Management	K4

Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05	PL06
CLO1	M	S	L	M	S	S
CLO2	M	S	L	M	S	S
CLO3	M	S	L	M	S	S
CLO4	S	S	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

Unit–18 hrs

Primary sequential processes and methods - Singeing, Desizing, Scouring, Bleaching. Synthetic fiber Heat setting, Wool carbonizing, Weighting of silk. Dry Processing Equipment. Wet processing equipment – kier – J box – pad roll – U box – Roller bed – Conveyor steamer – stenter.

Unit-II **9 hrs**

Mercerization – Theory process - Methods – Chemicals – effects. Beaching – Hypo chlorites – Hydrogen peroxide – sodium chloride. Equipments and chemicals for bleaching of cotton, viscose, cotton/ viscose, Polyester/cotton. Evaluation of bleached fabric – whiteness – absorbency – chemical damage - residues. Wet processing of Knitted fabric – scouring – Bleaching, dyeing – printing calendaring. Shrink controlling – steaming.

Unit-III **9 hrs**

Dyeing – classification of colorants – fastness properties of dyes. Dyeing machines – fiber, yarn and fabric dyeing machines – loose stock fiber bale – hank package – jigger – winch – HT Beam jet – padding mangles. Garment dyeing machines.

Unit - IV **9 hrs**

Printing - styles of printing – direct – discharge – resist styles. Methods of printing – screen printing – automatic screen printing – roller printing – rotary printing – transfer printing. Fixation and aftertreatment. Implementation of recent printing techniques in Textile processing Industries.

Unit-V **8 hrs**

Textile Effluent Management-Introduction to Textile Effluents-types of effluents-concept of Zero discharge- Sludge disposal -Analysis of effluents- Treatment of Textile effluents - Flocculation and Coagulation, Oxidation, Sedimentation, Filtration. Structure of Effluent Treatments plants, Reuse of textile waste water.

Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar, demonstration.

Reference book:

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Dr. H. Panda	Modern Technology of Textile Dyes & Pigments (2nd Revised Edition)	Niir Project Consultancy Services	2016
2	Maniyasakam.N	Treatment Of Textile Processing Effluents	Meyer Rosen To Host In-Cosmetics, North America.	2017
3	Dr. Himadri Panda	The Complete Technology Book on Dyes and Dye Intermediates (2nd Edition)	Niir Project Consultancy Services	2021

Reference link:

- <https://www.dow.com/en-us/market/mkt-textile-leather-nonwoven/sub-textiles-pre-treatment-processing.html>
- <https://www.slideshare.net/sheshir/mercerization>
- <https://textilelearner.net/different-types-of-textile-dyeing-machines/>
- <https://www.britannica.com/topic/textile/Printing>
- <https://www.hindawi.com/journals/jchem/2021/5314404/>

Course Designers

Dr.R.Radhika

Course No CF22P04	SEMESTER-IV APPAREL DESIGN AND DEVELOPMENT LAB-II (PRACTICAL IV)	Category	L	T	P	Credit
		Practical	-	-	120	4

Preamble

To design, draft and construct women's and men's garments.

Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate designs for women's and men's garment	K2
CLO2	Draft the pattern and cut the fabric	K2
CLO3	Construct the garment as per the design	K3
CLO4	Calculate the cost expenditure and profit	K4

Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05	PL06
CLO1	S	S	M	S	S	S
CLO2	S	S	S	S	S	S
CLO3	S	M	S	S	S	S
CLO4	S	S	S	M	M	M

S- Strong; M-Medium; L-Low

Syllabus

Designing, Drafting, construction and Cost Estimation of the following garments.

1. Designing and pattern development - Skirt- plain / circular / panel. **10hrs**
2. Garment development and cost estimation - Skirt- plain / circular / panel **10hrs**
3. Designing and pattern development -Salwar and kameez **.10hrs**
4. Garment development and cost estimation - Salwar and kameez. **13 hrs**
5. Designing and pattern development - Saree Blouse with sleeves **10 hrs**
6. Garment development and cost estimation - Saree Blouse with sleeves **12hrs**

- | | |
|---|---------------|
| 7. Designing and pattern development - Formal shirt | 10hrs |
| 8. Garment development and cost estimation - Formal shirt | 13 hrs |
| 9. Designing and pattern development - Formal trousers. | 10hrs |
| 10. Garment development and cost estimation - Formal trousers | 12 hrs |
| 11. Design Development (any one Garment specified above) | 10hrs |
- Research
 - Finalization of Theme
 - Sourcing
 - Finalization of Designs
 - Measurements and Specification sheets, Pattern Development
 - Development of Basic Blocks
 - Pattern Making and Layout
- Product Development
- Construction on actual fabric
 - Photo shoot
 - Compose the above details as portfolio sheets

Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration.

Reference link:

Ex No: 2 -<https://www.stylecraze.com/articles/types-of-skirts/>
Ex No: 4 -https://www.youtube.com/watch?v=103QGBR_pAY

Course Designers

Dr.R.Radhika

Course No CF22AP4	SEMESTER-IV SURFACE ORNAMENTATION LAB – (Allied Practical IV)	Category	L	T	P	Credit
		Practical	-	-	120	4

Preamble

To familiarize the students with various embroidery stitches and surface ornamentation techniques.

Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Explain suitable stitches for embroidery designs.	K2
CLO2	Apply different Hand and Machine Embroidery techniques on fabrics.	K3
CLO3	Develop samples by using Mirror, sequence work and Flower making.	K3
CLO4	Design Development and Product development for any one Experiment	K4

Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05	PL06
CLO1	S	S	L	S	S	S
CLO2	S	S	L	S	S	S
CLO3	S	S	M	S	S	S
CLO4	S	S	S	S	M	S

S- Strong; M-Medium; L-Low

Syllabus

1. Hand embroidery - 10 stitches and fancy embroideries – 5 stitches (5samples with 15 stitches)	15hrs
2. Machine Embroidery- 5 stitches - 3 samples.	12hrs
3. Applique- 3 types– hand, machine and iron applique	13 hrs
4. Smocking -3types	16 hrs
5. Tatting and crochet	9 hrs
6. Bead Work, Sequins work and Aari work –each one sample	12 hrs
7. Zardosi work -1 sample	4 hrs
8. Patch work and Quilting	9hrs
9. Traditional embroideries of India – Pulkari, Kasuti, kashida, chickenkari, kanta and kutch – each one sample.	18 hrs

10. Design Development (any one Experiment)

6 hrs

- Research
- Finalization of Theme
- Sourcing
- Finalization of Designs
- Colour board
- Moodboard
- Measurements

11. Product Development

6 hrs

- Motif Development
- Construction of product
- Photo shoot
- Compose the above details as portfolio sheets

Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration.

Reference book:

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Shailaja D. Naik	Traditional Embroideries of India	APH Publishing	1996
	Rozella Florence Linden	Easy tatting	Courier corporation	2013
2	Anon	Tatting- a fascinating book of delicate lace designs	Read Books limited	2016
3	Lauren Espy	Crochet café Recipes for Amigurumi crochet patterns	Blue star press	2020

Reference link:

<https://youtu.be/ck2SJvspBh4>
<https://youtu.be/u8dr2bjUKxo>
<https://youtu.be/BlpnAN6x394>
<https://youtu.be/6jOuF65d3zw>
https://youtu.be/TOTHI_3NtRk
<https://youtu.be/R8dTNfAOcI>
<https://youtu.be/Uo1ueLkl1vA>

Course Designers

Dr.R.Radhika

Course No CF22SB02	SEMESTER-IV CLOTHING CARE AND MAINTENANCE	Category	L	T	P	Credit
		Theory	43	2	-	3

Preamble

To gain knowledge on care and maintenance of textiles.

Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Define the characteristics of water	K1
CLO2	Explain the washing and laundering equipments of different fabrics	K2
CLO3	Choose the appropriate laundering method for different fabrics.	K3
CLO4	Examine the principle of washing and identify the types of stains	K4

Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05	PL06
CLO1	M	L	L	M	S	M
CLO2	M	L	L	M	S	M
CLO3	M	L	L	M	S	M
CLO4	M	M	S	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

8 hrs

Clothing –types and maintenance, Water- hard and soft water, methods of softening water. Laundry soaps – Manufacture of soap - hot process and cold process, composition of soap types of soap, soap less detergents, chemical action, detergent manufacture, advantages of detergents.

UNIT-II

8 hrs

Finishes – Stiffening Agents – Starch - cold water and hot water, other stiffening agents, preparation of starch. Laundry blues and their application. Fabric conditioners.

UNIT-III

9 hrs

Laundry equipment – for storage, for steeping and Washing – Wash board, suction washer, wash boiler, washing machine. Drying equipments – outdoor and indoor types. Irons and ironing board – types of iron - box, flat, automatic, steam iron. Ironing board – different types.

UNIT-IV

9 hrs

Principles of washing, Types of Washing - suction washing, washing by kneading and squeezing, washing by machine, Smart washing- process details. Laundering of different fabrics – cotton and linen, woollens, colored fabrics, silks, rayon and nylon.

UNIT-V

9 hrs

Care for Special Material – water proof coats, silk ties, leather goods, furs, plastics, lace. Dry cleaning – Process and Auxiliaries for Dry Cleaning. Storage and care of garments. Restricted substance and their effects. Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration / mildew, tar, turmeric and kum- kum. Care labels – washing, bleaching, Drying, ironing and different placements of labels in garments.

Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar, demonstration.

Reference book:

S.No.	Author	Title of the Book	Publishers	Year of publication
1.	Rose Sinclair	Textiles and Fashion Materials, Design and Technology	"Elsevier Science""Elsevier Science"	8 November 2014
2	Pat Armstrong, Suzanne Day	Wash, Wear, and Care Clothing and Laundry in Long- Term Residential Care	McGill-Queen's University Press	24 April 2017
3	Rajkishore Nayak	Care and Maintenance of Textile Products Including Apparel and Protective Clothing	Taylor and Francis Ltd	15 Mar 2018
4	Molly Elodie Rose	Business Plan For A Laundry And Dry Cleaning Business	Barnes & Nable.	March 18th 2020
5	Rajkishore Nayak, Saminathan Ratnapandian	Care and Maintenance of Textile Products Including Apparel and Protective Clothing	CRC Press	2018

Reference link:

Module -1 home science in daily life/ 9 care and maintenance of fabric

<https://youtu.be/AZJiGmh5zZY>

www.prnewswire.com/news-releases/from-smart-washing-to-the-future-of-clothing-and-fabric-care-haier-unveils-its-latest-2019-innovations-to-enrich-its-internet-of-clothes-capacity-300873229.html

Course Designers

Dr.R.Radhika