

G. VENKATASWAMY NAIDU COLLEGE, KOVILPATTI-628502

(AUTONOMOUS)

(Re-Accredited with “A” Grade by NAAC)

Department of Costume Design & Fashion

(for those who joined from the Academic year 2023-2024 and onwards)

VISION

- To transform the rural based students through career focused creative design education.

MISSION

- To impart professional education covering the whole spectrum of activities in the realm of Fashion & Textile Design and Management.
- To nurture an inspiring and student-centered learning.
- To provide holistic knowledge through industrial linkages with social responsibility.
- To empower learners through training and skill development.
- To create employable, productive and profit-making professionals.

PROGRAMME OUTCOMES (PO)

➤ **Fashion and Textile Knowledge:**

Adapting fashion and fabric design process knowledge.

➤ **Designing and Developing Skill:**

Assess, propose and apply designing and constructing techniques to develop product prototype.

➤ **Industrial exposure:**

Relate the design process with Industrial and processing knowledge.

➤ **Value Addition Skill:**

Promote the design ideas into commercials by articulating the ideas and by applying traditional practices and methods to add value to a product.

➤ **Designing with social awareness:**

Locate, analyze and synthesize market research and apply the data to delineate the needs of specific market.

➤ **Communication Skills:**

To develop strong multifunctional teamwork and communication skill using visual and verbal presentation.

➤ **Life Long Learning:**

To engage in life-long learning, understanding of contemporary and emerging issues relevant to their domain.

PROGRAMME EDUCATIONAL OBJECTIVES

The Program Educational Outcomes (PEOs) describe the professional accomplishments of our graduates about three-five years after having completed the under-graduate program in Costume Design and Fashion.

PEO-1: Confident young Entrepreneur or Designer with his or her own designs and garment Industry Professional who will excel in the job responsibility entrusted on him or her.

PEO-2: Confident and comprehensive academician having completed postgraduate program with strong portfolio and freelance Consultant who helps the core and allied industry or designer in a specific design domain with their expertise.

PEO-3: Educator or Trainer in fashion schools or organizations imparting and sharing the knowledge acquired by them and dynamic and confident individuals who excel in any profession they have undertaken due to their strong foundation.

PROGRAMME SPECIFIC OUTCOMES

PSO1:

The students will have strong foundation in designing and have the ability to visually represent it by illustrations, photographs, graphics and visual display of merchandise.

PSO2:

The students will be able to convert their design into a product or a garment using appropriate construction techniques.

PSO3:

The students will be able to understand and analyze the market trends and design market friendly, sustainable, ethically viable and client friendly designs and products and they will be able to work as a team in any organization and become accomplished successful Designers, Entrepreneurs or Industry ready professionals.

GRADUATE ATTRIBUTES

Graduate attributes define the knowledge, skills, attitudes and values that are acquired by our students at the end of the programme.

- Clear understanding of Fashion and Textile designing.
- Creative and prototype product development skills.
- Practical insights of processes involved in Textile and Apparel industries.
- Working skill on conventional and digital media tools and techniques.
- Knowledge and critical understanding of the emerging principals and ethical issues of the fashion and textile disciplines.
- Effective verbal communication and visual presentation skills.
- Entrepreneurial and Managerial skills.

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI
Programme Structure for Costume Design and Fashion
(For those admitted from the academic year 2023-24 and onwards)

Category	Course Type	Course Code	Course Title	Contact Hours	Exam Hours	Marks			Credit
						CIA	ESE	Total Marks	
Semester-1									
PART-I	Language	U23TA1L1	Tamil– I	6	3	25	75	100	3
PART-II	English	U23EN1L1	English – I	6	3	25	75	100	3
PART-III	Core-1	U23CF101	Fashion Designing Concepts	5	3	25	75	100	5
	Core-2 (Core Lab 1)	U23CF1P1	Fashion Illustration	3	3	40	60	100	3
	Elective Generic -1	U23CF1A1	Fundamentals of Apparel Designing	6	3	25	75	100	4
PART-IV	Skill Enhancement Courses SEC1(NME – I)	U23CF1S1	Surface Embellishment-I	2	-	50	-	50	2
	Foundation Course FC	U23FC101	Fundamentals of Apparel Construction	2	-	50	-	50	2
TOTAL				30				600	22
Semester-II									
PART-I	Language	U23TA2L2	Tamil– II	6	3	25	75	100	3
PART-II	English	U23EN2L2	English – II	6	3	25	75	100	3
PART-III	Core-3	U23CF202	Pattern Making and Grading	5	3	25	75	100	4
	Core-4 (Core Lab 2)	U23CF2P2	Construction of Children’s Wear	3	3	40	60	100	4
	Elective Generic -2	U23CF2A2	Fibre to Fabric	6	3	25	75	100	4
	Comprehension - 1(Self Study Course- Online Exam)	U23CF2C1	Comprehension in Costume Design and Fashion– I	-	1	-	50	50	1
PART-IV	Skill Enhancement Courses SEC2(NME – II)	U23CF2S2	Surface Embellishment-II	2	-	50	-	50	2
	Skill Enhancement Courses (DS) SEC3	U23CF2SP	Fibre and Fabric Analysis(P)	2	-	-	50	50	2
TOTAL				30				750	23

SEMESTER-I

**Part-III B.Sc. Costume Design & Fashion / Semester – I / Core-1:
Fashion Designing Concepts-U23CF101**

Lecture Hours	: 65	Tutorial Hours	: 10
Practical Hours	: -	No. of Credit	: 5
Contact Hours per Semester	: 75		
Contact hours per Week	: 05		
Internal Marks	: 25		
External Marks	: 75		
Total Marks	: 100		

Objectives of the course

The course aims at giving an overall view of the

- Various terms related to fashion industry.
- Understanding of the elements and principles of design. to get the idea of designing garments for all types of figures.
- Idea of designing garments for all types of figures.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Explain the fashion terminologies, elements and principles in fashion designing.

CO2: Apply elements, principles of design in dress designing.

CO3: Analyze the types of elements, principles of design and designing garments for different figures.

CO4: Evaluate the elements and principles of design by designing garments.

CO5: Create garments based on elements, principles and to create dress design for various occasions

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	3	3	3
CO2	3	2	2	2	2	2	3	3	3	3
CO3	3	2	2	2	3	3	2	3	3	3
CO4	2	3	2	2	2	2	3	3	3	3
CO5	3	3	2	3	3	2	3	3	3	3
Total contribution to CO to PO	14/15	12/15	11/15	11/15	13/15	11/15	14/15	15/15	15/15	15/15
Weighted Percentage of COs Contribution to POs	93.3	80	73.3	73.3	86.6	73.3	93.3	100	100	100

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

FASHION DESIGNING CONCEPTS-U23CF101

UNIT-I (13L) FASHION TERMINOLOGIES

Fashion, Fad, Style, Classic, Collection, Custom made, Mannequin, High fashion, Trend, Avant- garde, Bridge, Buying house, Fashion merchandising, Fashion cycle, Forecasting, Haute couture, Couture, Couturier, Pre- a porter.

UNIT-II (15L+2T) ELEMENTS OF DESIGN

Design – definition. Types of design – Structural Design & Decorative Design, Creating and Application of designs. Elements of design–Line, Shape, Size, Texture, Colour. Line and Types–Effects of various lines in the garment. Shapes and Types – Rectangular, Square, Circular, Triangle, Inverted Triangle, Hourglass, Combination. Textures and Types of Textures and their effect on garments. Soft and silky, Hard and Brittle, Shiny.

UNIT-III (15L+2T) PRINCIPLES OF DESIGN

Design principles –, Balance, Rhythm, Emphasis, Harmony, Proportion. Balance – Formal and Informal, Rhythm – Through repetition, Radiation and Gradation, Emphasis – Grouping of design units, Using contrast hues, by leading lines, a combination of any of the above, repeating details such as tucks. Gathers, Harmony and Proportion.

UNIT-IV (15L+2T) COLOUR

Colour–Definition, Dimensions of colour, Psychological effects of colour. Colour theories- Prang and Munsell, Colour harmonies - Monochromatic, Analogous, Complementary, Double complementary, Spilt complementary, and Triad colour harmony.

UNIT-V (7L+4T) DESIGNING GARMENTS

Designing garments for various occasions– Business meetings, parties/ dinners, evenings/ leisure hours, marriage functions, sports, uniforms for Schools, civil services, air hostess. **Designing garments for different types of figures. Becoming and unbecoming for the following figure types-** Stout Figure, Slender Figure, Tall figure and Short figure.

RECOMMENDED TEXT

1. Navneetkaur,(2010).Comdex Fashion Design, Vol-I Fashion Concepts, New Delhi: Dream Tech Press.
2. Gini Stephens Frings, (2006).Fashion from Concept to Consumer Seventh Edition. Pearson Education.
3. Sumathi. G.J,(2002) Elements of Fashion and Apparel Design. New Delhi: New Age International Publishers.

REFERENCE BOOKS

1. Payal Jain,(2005).Fashion Studies – An Introduction India: Anand Publications Pvt.,Ltd.
2. ElaineStone,(2001).TheDynamicsofFashion.NewYork:FairChildPublications.
3. PoojaKhurana and Monikasrthi, (2007). Introduction to Fashion Technology.
4. New Delhi. Firewall Media Pvt, Ltd.
5. Navneetkaur, (2010). Comdex Fashion Design Vol-II Fashion Concepts. New Delhi: Dream tech Press.

WEBSITE ANDE-LEARNING SOURCE

1. http://tfzr.rs/Content/files/0/W_3_Fashion_Design_Basics_eng_Oct_2011.pdf
2. http://www.swlearning.com/swepstuff/previews/files/marketing/053843564X/fm_ch02.pdf
3. <http://tpc.hcmute.edu.vn/Resources/Docs/SubDomain/tpc>

TUTORIAL:

1. **Unit II** - Demonstrating structural design of various garments.
2. **Unit III** - Collection of fashion design sample for analyzing the elements of design.
3. **Unit IV** - Create a prang colour chart
4. **Unit V** - Discussing the recent trends in fashion industry

**Part-III B.Sc. Costume Design & Fashion / Semester – I / Core – 2
(Core Lab 1): Fashion Illustration-U23CF1P1**

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 45	No. of Credit	: 03
Contact Hours per Semester	: 45		
Contact hours per Week	: 03		
Internal Marks	: 40		
External Marks	: 60		
Total Marks	: 100		

Objectives of the course

- The course aims at giving an overall view of the
- Enhancing creative skills of drawing, sketching and rendering colours for designing garments and accessories based on themes.
 - Impart practical knowledge in illustrating with concept of inspiration for various garment styles.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Understand the basic skill of fashion illustration.

CO2: Apply the elements and principles of design in various Apparels.

CO3: Analyze the use of elements and principles in designing of garments.

CO4: Evaluate the combination of elements of design.

CO5: Create garments design based on the elements and principles of design.

CO-PO Mapping (Course Articulation Matrix)

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	3	3	3
CO2	3	2	2	2	2	2	3	3	3	3
CO3	3	2	2	2	3	3	2	3	3	3
CO4	2	3	2	2	2	2	3	3	3	3
CO5	3	3	2	3	3	2	3	3	3	3
Total contribution to CO to PO	14/15	12/15	11/15	11/15	13/15	11/15	14/15	15/15	15/15	15/15
Weighted Percentage of COs Contribution to POs	93.3	80	73.3	73.3	86.6	73.3	93.3	100	100	100

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

FASHION ILLUSTRATION-U23CF1P1

- 1. Basic Figure Drawing (8P)**
 - 4 Head Theory
 - 8 Head Theory
 - 10 Head Theory
 - Stick Figure
 - Block Figure
 - Flesh Figure
- 2. Illustrate garment with the application of Elements of Design (10P)**
 - Line
 - Shape or form
 - Size
 - Texture
- 3. Illustrate garment with application of the Principles of Design (10P)**
 - Balance in dress
 - Harmony in dress
 - Emphasis in dress
 - Proportion in dress
 - Rhythm in dress
- 4. Prepare the following Charts (9P)**
 - Prang Colour Chart
 - Value Chart
 - Intensity Chart
- 5. Illustrate the garments with the application of various colour harmonies (8P)**
 - Monochromatic colour harmony
 - Analogous colour harmony
 - Complementary colour harmony
 - Double complementary colour harmony
 - Split complementary colour harmony
 - Triad complementary colour harmony

RECOMMENDED TEXT

1. Judith Rasband, "Fashion Details & Accessories Sketch Booklet", Margie Dobson and Becky Parkinson

REFERENCE BOOKS

1. Payal Jain,(2005).Fashion Studies – An Introduction India: Anand Publications Pvt.,Ltd.
2. Elaine Stone,(2001).The Dynamics of Fashion. New York: Fair Child Publications.
3. Pooja Khurana and Monika Srithi,(2007).Introduction to Fashion Technology. New Delhi. Firewall Media Pvt, Ltd.
4. Navneet kaur, (2010). Comdex Fashion Design, Vol-II Fashion Concepts. New Delhi: Dream tech Press.

WEBSITE AND E-LEARNING SOURCE

1. <https://abeautifulmess.com/fashion-sketching-for-beginners/>

**Part-III B.Sc. Costume Design & Fashion / Semester – I / Elective
Generic - 1 (Generic): Fundamentals of Apparel Designing-U23CF1A1**

Lecture Hours	: 85	Tutorial Hours	: 05
Practical Hours	: -	No. of Credit	: 04
Contact Hours per Semester	: 90		
Contact hours per Week	: 6		
Internal Marks	: 25		
External Marks	: 75		
Total Marks	: 100		

Objectives of the course

The course aims at giving an overall view of the

- Imparting the knowledge of basics of Sewing and their sources, identification and properties and make the students aware of various fibers and their uses and introduce different techniques of Yarn manufacturing.
- Enabling the students to understand yarn and its classification.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Explain the skill of operating sewing machines effectively for designing apparels.

CO2: Apply the skill of handling different materials.

CO3: Classify the components of apparel

CO4: Evaluate the suitability of fabric for garments

CO5: Design and construct the various the components of apparels

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	2	2	2	3	2	3	3	3	3
CO2	2	2	2	2	2	2	3	3	2	2
CO3	2	2	2	2	3	2	2	3	3	3
CO4	2	3	3	2	2	2	3	3	2	2
CO5	3	3	3	3	3	2	3	3	3	2
Total contribution to CO to PO	11/15	12/15	12/15	11/15	13/15	10/15	14/15	15/15	13/15	12/15
Weighted Percentage of COs Contribution to POs	73.3	80	80	73.3	86.6	66.6	93.3	100	86.6	80

1=Slight (Low) 2= Moderate (Medium) 3=Substantial (High)

COURSE CONTENT

FUNDAMENTALS OF APPAREL DESIGNING-U23CF1A1

UNIT I (17L)

TOOLS FOR CLOTHING CONSTRUCTION

Introduction, list of tools. **Measuring tools** – measuring tape, yard stick or meter scale, L-Scale, Small ruler, hem gauge, hem marker. **Marking tools** – Dress maker’s carbon, tracing wheel, tailor’s chalk. **Cutting tools** – Scissors and its types. **Pressing tools** – ironing board, iron, sleeve board, press cloth. **General tools** – Pins, pin cushion, seam ripper, orange stick, sewing thread, cutting board or table, mirror, dress form. **Body measurements**-preparation for measurements.

UNIT II (17L)

SEWING MACHINE

Sewing machine parts and function – Needle, Bobbin case, Bobbin and Winding, Shuttle, Shuttle hook, Loop and Loop spreader, Upper and Lower threading, Auxiliary hooks, Throat plate, pressure foot and its types, Take up-lever, Tension guide.

UNIT-III (17+3T)

SEAMS AND TYPES OF SEAM

Define seams and stitches, **Basic Hand Stitches**-Temporary Stitches, Basting types and function, Permanent Stitches, types and functions, mending. Bias preparation and uses. **Fullness** – Introduction, Darts, function of darts, pleats, gathers, frills, flares, godets types and application in dresses.

UNIT-IV (17L)

SLEEVES

Selection of fabric for sewing – characteristics of fabrics, **Sleeves** - Introduction, **types**- straight sleeve, shaped sleeve, application. Plain sleeve, Puff sleeve, Bell sleeve, Bishop Sleeve, Circular sleeve, Log- O-mutton sleeve, Raglan sleeve, Kimono sleeve. **Placket** – types, function. **Fasteners**- Introduction, types, applications, **Trims**- introduction and uses.

UNIT-V (17L+2T)

COLLAR AND POCKETS

Collars- Parts of a collar, Designing collars, **Types of collar**- roll collar, flat collar, stand collar. Collar styles- Peter Pan collar, Detachable collar, Notched collar, Turtleneck collar, Puritan collar, Sailor collar, Mandarin collars, Cascade collar. **Pockets**- types- Applied pockets, In-seam pockets, Set-in pockets, functions of pockets.

RECOMMENDED TEXT

1. Mary Mathews “Practical Clothing construction” – Part I and II Cosmic Press, Chennai
2. Sumathi G.J. Elements of Fashion and Apparel Design, New Age International (P) Ltd., New Delhi(2002).

REFERENCE BOOKS

1. The complete Book of Sewing, Dorling Kindersley Limited, London (1986)
2. Sewing and Knitting – A Readers Digest, step by step guide, Readers Digest Pvt. Ltd,
3. Injoo Kim and Mykyung Uh, Apparel Making in Fashion Design, Fairchild Publications, New York.

WEBSITE ANDE-LEARNING SOURCE

1. Alison Smith “The sewing book”, First American Edition (2009)
2. Sewing and Design Course Book - Usha Initiatives (www.usha.com)

TUTORIAL:

1. **Unit III** - Prepare the basic seams and its types and prepare the garment with the application of pleats, frills darts etc.
2. **Unit V** - Design and discuss about the parts of a collars.

**Part-IV B.Sc. Costume Design & Fashion / Semester – I /Skill Enhancement
Course – I (NME): Surface Embellishment – I-U23CF1S1**

Lecture Hours	: 25	Tutorial Hours	: 05
Practical Hours	: -	No. of Credit	: 2
Contact Hours per Semester	: 30		
Contact hours per Week	: 2		
Internal Marks	: 50		
External Marks	: -		
Total Marks	: 50		

Objectives of the course

The course aims at giving an overall view of the

- Understanding the fundamentals of embroidery and orients the learners in the field of fashion design.
- Knowing the hand embroidery stitches, machine embroidery and traditional embroidery in apparel industry.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Recognizing the fundamentals of embroidery and explain the rules for hand and machine embroidery

CO2: Apply the embroidery using hand and machine embroidery techniques.

CO3: Analyze the application areas of hand embroidery and traditional embroidery.

CO4: Evaluate the techniques used in Indian traditional embroideries.

CO5: Create hand and machine embroidered samples with own designs.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	3	3	3	3	2	3	3	3	3
CO2	2	2	3	2	2	2	3	3	2	3
CO3	2	3	2	3	3	2	2	3	3	3
CO4	2	2	3	2	2	2	3	3	2	3
CO5	3	3	3	3	2	2	2	3	3	3
Total contribution to CO to PO	11/15	13/15	14/15	13/15	12/15	10/15	13/15	15/15	14/15	15/15
Weighted Percentage of COs Contribution to POs	73.3	86.6	93.3	86.6	80	66.6	86.6	100	93.3	100

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

SURFACE EMBELLISHMENT-I-U23CF1SI

UNIT – I (5L)

FUNDAMENTALS OF EMBROIDERY

Fundamentals of Embroidery – General rules for hand and machine embroidery. Selection of material, thread, and needle Methods of tracing design.

UNIT – II (5L+1T)

HAND EMBROIDERY STITCHES

Hand embroidery Stitches – Running, stem, Blanket, Lazy daisy, chain, couching, Herringbone, Fish bone, Feather – single and double.

UNIT – III (5L+1T)

HAND EMBROIDERY STITCHES

Hand embroidery Stitches- Rumanian seeds, Cross, Fly, Satin, Long and Short, French knot, Bullion knot, Double knot. Lettering – Alphabets and Monogram work.

UNIT – IV (5L+1T)

MACHINE EMBROIDERY STITCHES

Machine Embroidery stitches – Running, cording, Satin, Long and Short, Granite, Eyelet, Cutwork, Letters Monograms, appliqué on net.

UNIT – V (5L+2T)

TRADITIONAL INDIAN EMBROIDERY

Origin of Indian Embroidery - Embroidery stitches used – Kashida of Kashmir, kantha of Bengal, Phulkari of Punjab, Embroidery of Chicken kari of lucknow

RECOMMENDED TEXT

1. Shailaja D. Naik. D., Folk Embroidery and traditional handloom weaving. (1997), KPH Publishing Corporation.
2. Reader's Digest, Complete Guide to Needle Work

REFERENCE BOOKS

1. Nirmal C. Mistry, Embroidery, (1999)Naganeeth Publications Ltd.
2. Kit Pynan and Carole, the Harmony Guide to Decorative Needle Craft, Lyric Books Ltd.,1982.
3. Ritu, Attractive Embroidery Designs, Indica Publishers,1995.
4. Modern Embroidery Series, MBD Publishers,1995.

WEBSITE ANDE-LEARNING SOURCES

1. <https://www.fibre2fashion.com/industry-article/1942/machine-embroidery>
2. <https://www.fibre2fashion.com/industry-article/4135/history-of-embroidery>

TUTORIAL:

1. **Unit II** - Design a hand embroidery motif for kerchief.
2. **Unit III** - Discuss about the application of hand embroidery in apparel.
3. **Unit IV** - Analyze the application areas of machine embroidery.
4. **Unit V**- Present the traditional embroidery of different states in India

**Part-IV B.Sc. Costume Design & Fashion / Semester – I / Foundation Course:
Fundamentals of Apparel Construction-U23FC101**

Lecture Hours	: 25	Tutorial Hours	: 05
Practical Hours	: -	No. of Credit	: 02
Contact Hours per Semester	: 30		
Contact hours per Week	: 02		
Internal Marks	: 50		
External Marks	: -		
Total Marks	: 50		

Objectives of the course

The course aims at giving an overall view of the

- Imparting practical exposure in sewing operation.
- Learning skills of designing and developing the basic elements of garments with optimum utilization of fabric.
- Impart the knowledge and skills required for garment designing.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Identify the sewing machine parts and understand its working procedure.

CO2: Apply the seams finishing methods on the garment.

CO3: Design and construct the various components of the apparels

CO4: Evaluate the suitable collar, placket, and sleeves for garments.

CO5: Create the elements of garments in 1/4th size samples.

CO-PO PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	3	3	3	3	2	3	3	3	3
CO2	2	2	3	2	2	2	3	3	2	3
CO3	2	3	2	3	3	2	2	3	3	3
CO4	2	2	3	2	2	2	3	3	2	3
CO5	3	3	3	3	2	2	2	3	2	3
Total contribution to CO to PO	11/15	13/15	14/15	13/15	12/15	10/15	13/15	15/15	13/15	15/15
Weighted Percentage of COs Contribution to POs	73.3	86.6	93.3	86.6	80	66.6	86.6	100	86.6	100

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

FUNDAMENTALS OF APPAREL CONSTRUCTION-U23FC101

UNIT I (5L)

SEAMS AND SEAM FINISHES

Introduction-Plain seam, Flat fell seam, French, Mantho maker, Seam Finishes-Pinked Finish, Double stitch Seam, Herring bone, Hem stitched seam, Overcast, Edge stitched, Zig-zag Bound seam finish.

UNIT II (5L+1T)

FULLNESS

Introduction- Darts-Single, Double Darts, **Tucks**-Pintuck, Cross Tuck, Piped Tuck, Shell Or Scalloped Tuck, **Pleats**-Knife Pleat, Box Pleat, Kick Pleats, **Gathers**.

UNIT-III (5L+2T)

FASTENERS

Introduction-Types of Fasteners-Press button, Hook And Eye Loops, Button and Button Hooks, Zipper, Elastics, Tapes and Cords, Velcro, Buckles.

UNIT-IV (5L+1T)

SLEEVES

Introduction, Plain sleeve, Gathered sleeve, Bell sleeve, Raglan Sleeve, Log- O- mutton sleeve, Kimono sleeve, Magyar sleeve, full sleeve, elbow sleeve, finishes-cuff with pockets. **Pockets**- types- Applied pockets, In-seam pockets, Set-in pockets, functions of pockets.

UNIT-V (5L+1T)

COLLAR AND POCKETS

Introduction-Collars- Parts of a collar, Designing collars, **Types of collar**- roll collar, flat collar, stand collar. Collar styles- Peter Pan collar, Notched collar, Puritan collar, Sailor collar, scalloped collar, Cascade collar.

RECOMMENDED TEXT

1. Mary Mathews “Practical Clothing construction” – Part I and II Cosmic Press, Chennai 1986.

REFERENCE BOOKS

1. The complete Book of Sewing, Dorling Kindersley Limited, London(1986)
2. Sewing and Knitting – A Readers Digest, step by step guide, Readers Digest Pvt. Ltd,
3. Sumathi G.J. Elements of Fashion and Apparel Design, New Age International (P) Ltd., New Delhi (2002).

TUTORIAL:

1. **Unit II** - Stitching the types of fullness.
2. **Unit III** - Create a sample for Fastners.
3. **Unit IV** - Discuss and create the varieties of sleeves.
4. **Unit V**- Discuss and create the styles of collars.

SEMESTER-II

Part-III B.Sc. Costume Design & Fashion / Semester – II / Core 3:

Pattern Making and Grading-U23CF202

Lecture Hours	: 65	Tutorial Hours	: 10
Practical Hours	: -	No. of Credit	: 04
Contact Hours per Semester	: 75		
Contact hours per Week	: 05		
Internal Marks	: 25		
External Marks	: 75		
Total Marks	: 100		

Objectives of the course

The course aims at giving an overall view of the

- Enabling the students to develop the ability to create design through flat pattern techniques. Tounderst and the pattern making and grading techniques and know about commercial pattern, fitting, alteration and layout methods. To enable the students to learn the skills of standard measurements.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Explain the pattern making methods and commercial pattern

CO2: Apply the Grading Techniques for different styles

CO3: Analyse the Pattern making Technology.

CO4: Evaluate and check the good fit of a garment.

CO5: Create the pattern with required style and measurement and grade them.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	3	2	2	3	2	3	3	3	3
CO2	2	2	3	2	2	2	3	3	2	3
CO3	2	3	2	3	3	2	2	3	3	3
CO4	2	2	3	2	2	2	3	2	2	3
CO5	3	3	3	2	2	2	2	3	2	3
Total contribution to CO to PO	11/15	13/15	13/15	11/15	12/15	10/15	13/15	14/15	13/15	15/15
Weighted Percentage of COs Contribution to POs	73.3	86.6	86.6	73.3	80	66.6	86.6	93.3	86.6	100

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

PATTERN MAKING AND GRADING - U23CF202

UNIT-I (13L+2T)

PATTERN MAKING METHODS

Introduction-Methods of pattern Making- Drafting, Draping and Flat pattern methods. Drafting-Principles of drafting. Steps in drafting children's and adults' bodice and sleeve patterns. Flat pattern techniques-Definition, Pivot, Slash and Spread method.

UNIT-II (13L+2T)

COMMERCIAL PATTERN

Study of commercial pattern and body measurements –Birth of commercial pattern, Preparation of commercial pattern. Body measurements –importance and Principles of taking body measurements. Method of taking body measurements for different garments.

UNIT-III (13L+2T)

PATTERN LAYOUT

Pattern layout- Rules in pattern layout. Common methods for layout. Layout for asymmetrical designs, Bold designs, Checked and One-way design. Economy of fabrics in placing pattern-Adjusting the fabrics to patterns, Rules for placement of fabric if not sufficient.

UNIT-IV (13L+2T)

FITTING AND ALTERATION

Fitting-Definition-Principles for good fit. Causes for poor fit, checking the fit of a garment, solving fitting problems in various garments, basic principles. Fitting techniques. Pattern alteration–importance of altering patterns. Principles for pattern alteration.

UNIT-V (13L+2T)

GRADING

Grading- Definition, Types (Manual and Computerized). Manual- Master Grade, Basic back, Basic Front, Basic collar. Computerized grading technology- Information Flow, System description, process involved in pattern grading.

RECOMMENDED TEXT

1. Mary Mathews “Practical Clothing construction” – Part I and II Cosmic Press, Chennai 1986.

REFERENCE BOOKS

1. Helen Joseph Armstrong Pattern Making For fashion Design, HarperCollins publishers.(1987)
2. Winfred Aldrich Metric Pattern Cutting , Black well Science Ltd., England(1994)
3. Winfred Aldrich Metric Pattern Cutting for Men's Wear , Black well Science Ltd., England(1994)
4. WinfredAldrichMetricPatternCuttingforchildren'swear, BlackwellScienceLtd., England (1994)
5. Gerry cooklin Pattern Grading for Men's clothes, Blackwell Science Ltd., English – 1992.
6. Gerry cooklin Pattern Grading for Children's clothes, Blackwell Science Ltd., English –1991.
7. Gerry cooklin Pattern Grading for Women's clothes, Blackwell Science Ltd.,English–1990.

WEBSITE ANDE-LEARNING SOURCES

1. <https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making>.
2. <https://clothingindustry.blogspot.com/2018/01/pattern-making-garment.html>
3. <https://clothingindustry.blogspot.com/2017/12/body-measurements-dress.html>
4. http://www.brainkart.com/article/Pattern-Layout-and-Types-of-Pattern-Layouts_35623/
5. <https://www.evidhya.com/tutorials/tutorials.php?qid=771>
6. <https://www.doinaalexci.com/beginnersewingtutorialblog/the-causes-of-6-most-common-fitdesign-issues-in-apparel-and-their-possible-fixes>.

TUTORIAL:

1. **Unit I** - Create drafting procedure for basic bodies
2. **Unit II** - Study about commercial pattern and demonstrate for taking the body measurements with using mannequins.
3. **Unit III** - Discuss about rules and common methods of pattern layouts
4. **Unit IV**- Discuss about fitting and its techniques
5. **Unit V**- Discuss about types of grading

**Part-III B.Sc. Costume Design & Fashion / Semester – II / Core-4: Core
Lab 2 - Construction of Children's Wear-U23CF2P2**

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 45	No. of Credit	: 04
Contact Hours per Semester	: 45		
Contact hours per Week	: 03		
Internal Marks	: 40		
External Marks	: 60		
Total Marks	: 100		

Objectives of the course

The course aims at giving an overall view of the

- Designs and patterns making for various style of children's wear, practice suitable layout methods for the effective utilization of fabric and to apply various sewing techniques for achieving the finest garment finishing.
- Enabling the students to calculating the cost of finished garment.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Describe the measurements needed for construction of children's wear.

CO2: Apply the layout and measurement methods to make kid's garments.

CO3: Analyze the various materials suitable for constructing children's wear.

CO4: Evaluate the various design of children's wear.

CO5: Create new designs for kid's garments.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	3	2	3	3	2	3	3	3	3
CO2	2	2	3	2	2	2	3	3	2	3
CO3	2	3	2	3	3	2	2	3	3	3
CO4	3	2	3	2	2	2	3	3	2	2
CO5	3	2	3	3	2	2	2	3	2	3
Total contribution to CO to PO	12/15	12/15	13/15	13/15	12/15	10/15	13/15	15/15	13/15	14/15
Weighted Percentage of COs Contribution to POs	80	80	86.6	86.6	80	66.6	86.6	100	86.6	93.3

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

CONSTRUCTION OF CHILDREN'S WEAR-U23CF2P2

- ✓ Designing, drafting and constructing the following garments for the features Prescribed.
 - ✓ List the required measurements and suitable materials.
 - ✓ Calculate the material required-Layout method and direct measurement method. Calculate the cost of the garment.
1. **Bib**- Variation in outline shape. (4P)
 2. **Panty**-plain or plastic lined panty. (4P)
 3. **Jabla**- without sleeve, front open (or) Magyar sleeve, back opens. (4P)
 4. **Baba suit**- Knicker with chest piece attached (or) Romper (4P)
 5. **A-Line petticoat**- double pointed dart, neck line and armhole finished with facing (or) petticoat with gathered waist. (5P)
 6. **Yoke frock**- yoke at chest line, with open, puff sleeve, gathered skirt/frock with collar, without sleeve, gathered/ circular skirt at waist line (or) Princess line frock. (4P)
 7. **Umbrella frock** –Body, round skirt, no gathered, puff sleeve (5P)
 8. **Knickers**- elastic waist, side pockets. (4P)
 9. **Shirt**- open collar, with pocket. (5P)
 10. **Pinafore**- two strap, belt. (6P)

RECOMMENDED TEXT

1. Mary Mathews “Practical Clothing construction” – Part I and II Cosmic Press, Chennai-1986.
2. Zarakar system of cutting, Navneet publication (I)Pvt. Ltd.(2012)

REFERENCE BOOKS

1. Thomas & Anna Jacob, Art of Sewing, New Delhi: Ubs Publishers Distributors Ltd, 1993
2. Jefferys, chris, Essential Tips basic sewing, New York: Dorling Kindersley, 1997

WEBSITE ANDE-LEARNING SOURCE

1. <https://sewguide.com/sewing-for-children/>
2. <https://sewguide.com/frock-pattern-sewing/>
3. <https://www.itsalwaysautumn.com/pinafore-dress-pattern.html>

**Part-III B.Sc. Costume Design & Fashion / Semester – II / Elective
Generic 2 : Fibre to Fabric -U23CF2A2**

Lecture Hours	: 90	Tutorial Hours	: 10
Practical Hours	: -	No. of Credit	: 04
Contact Hours per Semester	: 90		
Contact hours per Week	: 06		
Internal Marks	: 25		
External Marks	: 75		
Total Marks	: 100		

Objectives of the course

The course aims at giving an overall view of the

- Imparting the knowledge of fibres, its manufacturing techniques.
- Acquainting the students with the knowledge on different types of fabric manufacturing techniques and know the fabric types and their properties.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Remember the terminologies and concepts that are central to textile industry.

CO2: Understand the various types of fibers and fabrics

CO3: Apply the various types of fibers and fabrics based on the properties..

CO4: Analyze various process involved in the manufacturing of fibers, yarn and fabric.

CO5: Evaluate the properties of fiber, yarn and fabric.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	2	2	3	3	2	3	3	3	3
CO2	3	2	3	2	2	2	3	3	3	3
CO3	2	2	2	2	3	2	2	3	3	3
CO4	2	2	3	2	2	2	3	3	3	2
CO5	2	2	3	2	2	2	2	3	3	3
Total contribution to CO to PO	11/15	10/15	13/15	11/15	12/15	10/15	13/15	15/15	15/15	14/15
Weighted Percentage of COs Contribution to POs	73.3	66.6	86.6	73.3	80	66.6	86.6	100	100	93.3

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

FIBRE TO FABRIC-U23CF2A2

UNIT-I

(17L)

Introduction to the field of textiles, **classification of fibres** –natural and chemical, primary and secondary characteristics of textile fibers.

UNIT-II

(15L+2T)

Manufacturing process, **properties and uses of natural fibres** – cotton, linen, Jute, pineapple, hemp, silk, wool, hair fibers, **man-made fibres** –Viscose rayon, acetate rayon, nylon, polyester, and acrylic.

UNIT-III

(15L+2T)

Spinning –Definition, Classification – Chemical and mechanical spinning, blending, opening, cleaning, doubling, carding, combing, drawing, roving, spinning. **Yarn classification** – definition, **classification** – simple and fancy yarns, Sewing threads and its properties.

UNIT-IV

(16L+2T)

Weaves – weaving mechanism, parts of a loom and basic process, **basic weaves** –plain, twill, satin. **Fancy weaves**- pile, double cloth, leno, swivel, dobby and jacquard.

UNIT-V

(17L+4T)

Non-Woven- felting, fusing, bonding, lamination. **Other fabric forming Techniques** - netting, braiding, tating and crocheting.

RECOMMENDED TEXT

1. Textiles –fibre to fabric, Corbmann B.P, International student's edition, McGraw Hill Book Company, Singapore 1985.

REFERENCE BOOKS

1. Fabric Science 5th edition, Joseph J Pretal, Fairchild Publications ,Newyork 1990.

WEBSITE AND E-LEARNING SOURCES

1. <https://textilelearner.net/different-types-of-man-made-fibers-with-their-application/>
2. <https://textilelearner.net/characteristics-of-nonwoven-fabric-uses/>

TUTORIAL:

1. **Unit II** - Discussing about the properties of fibers based on their characteristics.
2. **Unit III** – Discuss about spinning process
3. **Unit IV**- Demonstrating the types of weaves.
4. **Unit V**- Discussing about different fabric forming techniques.

**Part-IV B.Sc. Costume Design & Fashion / Semester – II /Skill
Enhancement Course – II (NME)**

Surface Embellishment – II-U23CF2S2

Lecture Hours	: 25	Tutorial Hours	: 05
Practical Hours	: -	No. of Credit	: 02
Contact Hours per Semester	: 30		
Contact hours per Week	: 02		
Internal Marks	: 50		
External Marks	: -		
Total Marks	: 50		

Objectives of the course

The course aims at giving an overall view of the

- Understanding the fundamentals of embroidery and manipulating techniques of fabrics in fashion design.
- Knowing the world of textile crafts of India through the finer nuances of embroidered, printed traditional textile crafts

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Identify the fundamentals of surface embellishments and the techniques

CO2: Understand the elements, creates the designs on surface

CO3: Apply the design in different places based on the fabric.

CO4: analyze the trims, designs and prints to improve the designing skill

CO5: evaluate the techniques used in Indian traditional embroideries.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	2	2	3	3	2	3	3	3	3
CO2	3	3	3	3	2	2	3	3	3	3
CO3	2	3	2	2	3	2	2	3	3	3
CO4	2	2	3	2	2	2	3	3	2	2
CO5	2	3	3	2	2	2	2	3	3	3
Total contribution to CO to PO	11/15	13/15	13/15	12/15	12/15	10/15	13/15	15/15	14/15	15/15
Weighted Percentage of COs Contribution to POs	73.3	86.6	86.6	80	80	66.6	86.6	100	93.3	100

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

SURFACE EMBELLISHMENT – II-U23CF2S2

UNIT I

ELEMENTS OF DESIGN AND DEVELOPMENT (5L)

Elements of design – Line, Shapes, Natural Design, Stylized design, Geometric Design, Abstract design, Space, Texture, Colour, Colour schemes.

UNIT II (5L+2T)

TRIMMINGS FOR EMBELLISHMENT

Trimmings and application – Functional Trimmings, Facing, Piping, Decorative Trimmings, Laces, Braids, Buttons, Tassels, Patch work, Ornamentation materials.

UNIT III (5L+1T)

FABRIC MANIPULATION

Fabric Manipulation- Gathering, Shirring, Ruffle, Flounces, Pleating, Types of pleats, Tucking, Smocking- English and Canadian. Quilting.

UNIT IV (5L+1T)

INDIAN PRINTED TEXTILE

Printed Textiles–Printing Equipment, Printing Process Bagru from Rajasthan, Sanganer, Jaipur, Kalamkari from Andhra Pradesh 3D Printing.

UNIT V (5L+1T)

TRADITIONAL EMBROIDERY

Embroidered textiles of India– Chamba Rumal of Himachal Pradesh, Phool patti ka kaam of Uttar Pradesh, Toda Embroidery of Tamil Nadu, Pipli Applique, Zardozi.

RECOMMENDED TEXT

1. Shailaja D. Naik. D., Folk Embroidery and traditional handloom weaving. (1997), KPH Publishing Corporation.
2. Reader's Digest, Complete Guide to Needle Work.

REFERENCE BOOKS

1. Nirmal C. Mistry, Embroidery, (1999) Naganeeth Publications Ltd.
2. Kit Pynan and Carole, the Harmony Guide to Decorative Needle Craft, Lyric Books Ltd., 1982.
3. Ritu, Attractive Embroidery Designs, Indica Publishers, 1995.
4. Modern Embroidery Series, MBD Publishers, 1995.

WEBSITE ANDE-LEARNING SOURCES

1. <https://www.fibre2fashion.com/industry-article/1942/machine-embroidery>
2. <https://www.fibre2fashion.com/industry-article/4135/history-of-embroidery>

TUTORIAL:

1. **Unit II** - Discuss about different trimmings used in garments
2. **Unit III** - Discuss about the fabric manipulation.
3. **Unit IV** - Analyze the printing process and its equipment's
4. **Unit V**- Present the traditional embroidery of different states in India

Part-IV B.Sc. Costume Design & Fashion / Semester – II / Skill Enhancement Course (Practical)

Fibre and Fabric Analysis-U23CF2SP

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 30	No. of Credit	: 2
Contact Hours per Semester	: 30		
Contact hours per Week	: 02		
Internal Marks	: -		
External Marks	: 50		
Total Marks	: 50		

Objectives of the course

The course aims at giving an overall view of the

- Testing to the various properties of Fibre, Yarn and Fabric and also analyse the structure of woven and knitted fabrics.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students should be able to

CO1: Understand the methods and procedure for identification of fibres.

CO2: Apply systematic procedures to test the various properties of fibres and yarn.

CO3: Analyze the structure of the fabric.

CO4: Evaluate the quality of textile material.

CO5: Design a draft, peg plan and design for basic weaves

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	2	2	2	3	2	3	3	3	3
CO2	3	3	3	2	2	2	3	3	3	3
CO3	3	3	2	2	3	2	2	3	3	3
CO4	2	2	3	2	2	2	3	3	2	2
CO5	2	3	3	2	2	2	2	3	2	3
Total contribution to CO to PO	12/15	13/15	13/15	10/15	12/15	10/15	13/15	15/15	13/15	14/15
Weighted Percentage of COs Contribution to POs	80	86.6	86.6	66.6	80	66.6	86.6	100	86.6	93.3

1=Slight (Low)

2= Moderate (Medium)

3=Substantial (High)

COURSE CONTENT

FIBRE AND FABRIC ANALYSIS-U23CF2SP

I.FIBRE TESTING (10P)

Identification of textile fibres by

- Microscopical Test
- Solubility Test
- Burning Test

II.YARN TESTING (10P)

Test the following properties and analyse the quality of yarns.

- Yarn count
- Yarn Twist
- Lea Strength
- CSP calculation
- Fabric Count
- Loop length

III.FABRIC ANALYSIS (10P)

Analysis of following fabrics for Design, Draft, Peg Plan, and Ends per inch and Picks per inch,

- Plain weave and its derivatives
- Twill weaves – 2/1,3/1.
- Satin /Sateen
- Honeycomb
- Huck – a –back
- Extra Warp & Extra weft
- Interlock knit
- Rib

RECOMMENDED TEXT

1. T.R. Ashenurst, (2008). Textile Calculation and Structure of Fabric. Abhishek Publications.
2. Sara J. Kadolph, (2009). Textiles. New Delhi: Pearson Education India Pvt. Ltd.
3. N. Gokarneshan, (2009). Fabric Structure and Design. New Age International Pvt.Ltd.

REFERENCE BOOKS

1. Grosichkli Z Newness, (2004). Watson's textile design and colour. London: Butter Worths.
2. W.S. Murphy, (2003). Textile Weaving and Design. Abhishek Publications.
3. K. Green Wood, (2004). Weaving control of Fabric Structure. Woodhead Publications.
4. MeenakshiRastogi, (2009). Textile Forming. Sonali Publications.
5. Z.J.Grosichkli,(2004). Watson's advanced Textile Design. Woodhead Publications.

WEBSITE ANDE-LEARNING SOURCE

1. identification of fibres :http://content.inflibnet.ac.in/data-server/eacharya-documents/53e0c6cbe413016f234436ed_INFIEP_8/3/ET/8_ENG-3-ET-V1-S1lesson.pdf.
2. yarn testing:http://eacharya.inflibnet.ac.in/data-server/eacharya-documents/53e0c6cbe413016f234436ed_INFIEP_8/14/ET/8_ENG-14-ET-V1-S1lesson.pdf
3. fabric testing: http://eacharya.inflibnet.ac.in/data-server/eacharya-documents/53e0c6cbe413016f234436ed_INFIEP_8/15/ET/8_ENG-15-ET-V1-S1lesson.pdf
4. fabricanalysis:https://web.itu.edu.tr/~berkalpo/Weaving_Lecture/Weaving_Chapter1a_06S.pdf.
https://www2.cs.arizona.edu/patterns/weaving/books/pea_fa_1.pdf
5. burning test: <https://www.youtube.com/watch?v=xmKKvepQujo>
6. <https://textilelearner.blogspot.com>.