

**MANONMANIAM SUNDARANAR UNIVERSITY – TIRUNELVELI**

**Course structure for B.Sc. COSTUME DESIGN & FASHION DESIGN**

(with effect from the academic year 2020 – 2021 onwards)

Se m.	Pt. I/ II/ III/I V/V	Sub No.	Subject status	Subject Title	Con – tact Hrs./ Week	<b>L</b> Hrs. / Week	<b>T</b> Hrs. / Week	<b>P</b> Hrs./ Week	<b>C</b> Cre- dites
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
I	I	1	Language	Tamil/Other Language	6	6	0	0	4
	II	2	Language	Communicative English	6	6	0	0	4
	III	3	Core-I	Fashion Designing Concepts	4	4	0	0	4
	III	4	Major Practical - 1	Fashion Illustration	2	0	0	2	2
	III	5	Add on Major (Mandatory)	Professional English for Life Sciences - I	4	4			4
	III	6	Allied - 1	Pattern Making And Grading	4	4	0	0	3
	III	7	Allied Practical -1	Elements of Apparel Designing - I	2	0	0	2	2
	IV	8	Common	Environmental Studies	2	2	0	0	2
				<b>Subtotal</b>	<b>30</b>				<b>25</b>
II	I	9	Language	Tamil/Other Language	6	6	0	0	4
	II	10	Language	English	6	6	0	0	4
	III	11	Core-II	Sewing Technology	4	4	0	0	4
	III	12	Major Practical - II	Construction Of Children's Wear	2	0	0	2	2
	III	13	Add on Major (Mandatory)	Professional English for Life Sciences - II	4				4
	III	14	Allied - II	Technology Of Fibre To Yarn	4	4	0	0	3
	III	15	Allied Practical -II	Elements Of Apparel Designing- II	2	0	0	2	2
	IV	16	Common	Value Based Education /சமூக ஒழுக்கங்களும் பண்பாட்டு விழுமியங்களும் / Social Harmony	2	2	0	0	2
				<b>Subtotal</b>	<b>30</b>				<b>25</b>

## **SEMSTER-I**

## **CORE-I**

### **FASHION DESIGNING CONCEPTS**

#### **UNIT – I**

Terms related to the fashion industry – Fashion, Style, Fad, Classic and Collection, Chic custom made, mannequin, fashion show, trend, forecasting, high fashion, fashion cycle Haute-couture, Couturier, Courtier, Fashion director, fashion editor, line, knock-off Avant garde, bridge, buying house, apparel, fashion merchandising, pre-a-porter, sample.

#### **UNIT – II**

Design – definition and types- structural and decorative design, requirements of a good structural and decorative design. Elements of design- line, shape of form, colour, size and texture. Application of structural and decorative design in a dress, selection and application of trimmings and decorations.

#### **UNIT –III**

Fashion accessories- Shoes, handbags, hats, ties – different types/shapes. Principles of design- Balance- formal and informal, rhythm- through repetition, radiation and gradation, emphasis, harmony and proportion Application of principles of design in a dress.

#### **UNIT- IV**

Colour- definition, colour theories- Prang colour chart and Munsell colour system, Dimensions of colour-Hue, Value and intensity Standard colour harmonies- Application in dress design. Colour in principles of design application of the same in dress design.

#### **Unit –V**

Designing dresses for unusual figures- becoming and unbecoming for the following figure types- stout figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, small face, prominent chin and jaw, prominent forehead.

#### **Reference:**

1. Bina Abling, Fashion sketch Book, Fair child publications, NewYork.
2. Judith Rasband, Wardrobe strategies for women. Delmar publishers London
3. Susheela Dantyagi, Fundamentals of textiles and their care, 5 th edition. Orient Longman Ltd., NewDelhi.
4. Heannette A Jarnow et-al., Inside the Fashion Business, Macmillian Publishing company, NewYork.

**FASHION ILLUSTRATION**

1. Basic FigureDrawing
  - a. StickFigure
  - b. Blockfigure
  - c. Fleshfigure
  - d. 8 head theory
  - e. 10 head theory
  - f. Facetheory
2. Prepare the followingCharts
  - a. Prang colourchart
  - b. ValueChart
  - c. IntensityChart
3. Illustrate garment designs for the Elements ofDesign
  - a. Line
  - b. Colour
  - c. Texture
  - d. Shape orform
  - e. Size
4. Illustrate garment designs for the Principles ofDesign
  - a. Balance indress
  - b. Harmony indress
  - c. Emphasis indress
  - d. Proportion indress
  - e. Rhythm indress
5. Illustrate the colour harmony in dressdesign
  - a. Monochromatic colourharmony
  - b. Analogous colourharmony
  - c. Complimentary colourharmony
  - d. Double complementary colourharmony
  - e. Split complementary colourharmony
  - f. Triad colourharmony.
6. Designing dresses for figure irregularities- becoming and unbecomingstout figure,thin figure, slender figure, narrow shoulder, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, small face.

**Semester - I / Part-III / Allied - 1**

**SEMESTER-1**

**ALLIED – I**

**PATTERN MAKING AND GRADING**

**UNIT – I**

Methods of pattern Making- 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**

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

**UNIT – III**

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.

**UNIT-IV** Fitting- Definition-Principles for good fit. Causes for poor fit, checking the fit of a garment, Fitting techniques. Pattern alteration – importance of altering patterns. Principles for pattern alteration.

**UNIT – V**

Grading- Definition, Types (Manual and Computerized). Manual- Master grade Basic back, Basic Front, Basic Collar and Basic facing grading. Computerized grading technology- Information Flow, System description,

**Reference:**

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, Blackwell Science Ltd.
4. Winfred Aldrich Metric Pattern Cutting for children's wear, Blackwell Science Ltd., England (1994).
5. Gerry cooklin Pattern Grading for Men's clothes, Blackwell Science Ltd., English.
6. Gerry cooklin Pattern Grading for Children's clothes, Blackwell Science Ltd.,English.
7. Gerry cooklin Pattern Grading for Women's clothes, Blackwell Science Ltd., English.

**ELEMENTS OF APPAREL DESIGNING -I**

1. Preparation of samples for seam and seamfinishes.
2. Preparation of samples forhems.
3. Preparation of samples forfullness.
4. Preparation of samples for facing andbinding.
5. Preparation of samples for plackets andfasteners.
6. Preparation of samples forsleeves

**Reference:**

1. Mary Mathews “Practical Clothing Construction” – Part I and II Cosmic Press,Chennai.
2. The Complete Book of Sewing, Dorling Kindersley Limited,London (1986).
3. Sewing and Knitting – A Readers Digest, Step by step guide, Readers Digest Pvt.Ltd.
4. Injoo Kim and Mykyung Uh, Apparel Making in Fashion Design, Fairchild Publications, New York.
5. Sumathi G.J. Elements of Fashion and Apparel Design, New Age International (P) Ltd., New Delhi (2002).

**SEWING TECHNOLOGY****UNIT-I**

Sewing machineries- classification of sewing machines ,parts and functions of single needle machine, Double needle machine ,Over lock machine ,ar tacking machine ,Button hole making machine ,Button fixing machine ,blind stitching machine, care and maintenance ,common problems and remedies.

**UNIT – II**

Stitching mechanism - Needle, Bobbin case, Bobbin and its winding, shuttle, shuttle hook, Loops and Loop spreader,threading finger ,Upper and Lower threading ,Auxiliary hooks ,Throat plate, presser foot and its types, Take-up lever, Tension guide and their functions.

**UNIT-III**

spreading methods and tools used for spreading ,Types of spreading. Marking methods, positioning marking , types of markers , efficiency of a marker plan , requirements of marker planning.

**UNIT-IV**

Cutting technology – definition, function and scope. Cutting equipments and tools, Stright knife cutting machines. Rotary cutting machines, Band knife cutting machine, Die cutters, drills and computerized cutting machines. Pressing Equipments-purpose , pressing equipments and methods – iron, steam press ,steam air finisher , steam tunnel .

**UNIT – V**

Definition and types of stitches and seams as per Federal standards- Application of stitches and seams in clothing.Brief study on various industrial finishing machines- Pressing, fusing, stain removing, needle detecting machines.

**Reference:**

1. Marymathews Practical Clothing Construction- Part I and II, Cosmic Press,Chennai.
2. Harold Carr and Barbara Latham Technology of clothingManufacture.
3. Gerry Cooklin Introduction to clothing manufacture, Blackwell Science,1996.
4. Gerry cooklin Garment Technology for fashion designers, Blackwell Science Ltd1996.

**CONSTRUCTION OF CHILDREN'S WEAR**

- 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
2. Panty- Plain or plastic lined panty
3. Jabla- without sleeve, front open (or) Magyar sleeve, back opens
4. A-Line petticoat- double pointed dart, neck line and arm hole finished with facing (or) petticoat with gathered waist.
5. Yoke frock- yoke at chest line, with open, puff sleeve, gathered skirt 9ORO frock with collar, without sleeve, gathered/circular skirt at waist line (or) Princess frock
6. Umbrella frock – Body, round skirt, no gathered, puff sleeve
7. Summer Frock – with strap
8. Knicker – elastic waist, side pockets
9. Shirt- open collar, with pocket

**TECHNOLOGY OF FIBRE TO YARN****UNIT – I**

Introduction to the field to textile – definition and classification of textile fibres- General Properties of textile fibres – Identification of textile fibres – Microscopic test, Burning Test, Solvent test.

Brief study on important properties and uses of Natural Fibres – Cotton, Silk, Wool and Best fibres.

**UNIT – II**

Spinning – definition, classification – chemical and Mechanical spinning. Manufacturing process flow of Regenerated fibres – Viscose rayon, Acetate Rayon Modal, Lyocell, and their uses

**.UNIT – III**

Manufacturing process flow of Synthetic fibres – Polyester, Nylon, Poly acrylic and spandex, Aramidefibres and theiruses.

Brief study of high performancefibres.

**UNIT – IV**

Principles of short staple spinning – Brief study on the sequence of process involved, and their functions. Passage of material through Blow room, carding, combing, Drawing, Speed frame, Ring frame, Doubling machine and come winding Machine. Texturisation– Definition, process, properties of yarn.

**UNIT – V**

YARN – definition and classification – simple and Fancy yarns. Yarn Twist – types and effect.Sewing thread – types, properties – ticket numbering.

**Reference:**

1. Corbmann.B.P. Textiles – fibre to fabric, International student's edition, MC Graw hill book Company, Singapore1985.
2. Joseph J Pretal, Fabric Science 5 th edition, Fair child Publications, NewYaork.
3. MishraS.P. A text book of fibre science and Technology, New Age internation (P)Ltd. Publishers, New Delhi.(2000)
4. Gordon Cook, J. Hand book of Textile Fibres – Vol I, II wood head publishing Ltd., Cambridge, English (1984). Phyllis G. Toton, UnderstandingTextiles.

**ELEMENTS OF APPAREL DESIGNING -II**

1. Preparation of samples yoke with fullness and within the yoke supporting fullness.
2. Preparation of samples for collars.
3. Preparation of samples for pockets.

**Reference:**

1. Mary Mathews “Practical Clothing Construction” – Part I and II Cosmic Press, Chennai.
2. The Complete Book of Sewing, Dorling Kindersley Limited, London (1986).
3. Sewing and Knitting – A Readers Digest, Step by step guide, Readers Digest Pvt. Ltd.
4. Injoo Kim and Mykyung Uh, Apparel Making in Fashion Design, Fairchild Publications, New York.
5. Sumathi G.J. Elements of Fashion and Apparel Design, New Age International (P) Ltd., New Delhi (2002).