

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

UG COURSES – AFFILIATED COLLEGES

B.Sc. FASHION TECHNOLOGY

(Choice Based Credit System)

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

Se m.	Pt. I/ II/ III/I V/V (2)	Sub No.	Subject status	Subject Title	Con – tact Hrs./ Week	L Hrs. / Week	T Hrs. / Week	P Hrs./ Week	C 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	Concepts Of Fashion Designing	4	4	0	0	4
	III	4	Major Practical - 1	Fashion Drawing And Sketching	2	0	0	2	2
		5	Add on Major (Mandatory)	Professional English for Life Sciences - I	4				4
	III	6	Allied - 1	Textile FibresAnd Yarns	4	4	0	0	3
	III	7	Allied Practical -1	Fashion Illustration -I	2	0	0	2	2
	IV	8	Common	Environmental Studies	2	2	0	0	2
				Subtotal	30				25
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	Elements Of Garment Manufacture	4	4	0	0	4
	III	12	Major Practical - II	Elements Of Apparel Designing	2	0	0	2	2
	III	13	Add on Major (Mandatory)	Professional English for Life Sciences - II	4				4
	III	14	Allied - II	Pattern Making And Grading	4	4	0	0	3
	III	15	Allied Practical -II	Fashion Illustration - II	2	0	0	2	2
	IV	16	Common	Value Based Education /சமூகஒழுக்கங்களும் பண்பாட்டுவிழுமியங்களும் / Social Harmony	2	2	0	0	2
				Subtotal	30				25

Sem.-I /Part-III / Core - 1

SEMESTER-I

CORE PAPER –I

CONCEPTS OF FASHION DESIGNING

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. Wardrobe planning for different age groups, factors influencing wardrobe selection.

Reference:

1. Bina Abling, Fashion sketch Book, Fair child publications, NewYork.
2. Judith Rasband, Wardrobe strategies for women. Delmar publishers London

3. SusheelaDantyagi, 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.

SEMESTER-I

CORE PRACTICAL-I

FASHION DRAWING AND SKETCHING

- 1) Learning object drawing and perspective drawing
- 2) Learning various shading methods
- 3) Learning the techniques of enlarging and reducing the motifs
- 4) Learning the usage of various drawing and sketching medium – pencils, ink, charcoal, brushes, crayons, water colours and poster colours.
- 5) Learning the art of creating textures
- 6) Drawing hands, arms, legs and feet in different angles
- 7) Proportion study – 7 ½ head, 8 1/2 head and 12 head theories – stick, block and flesh figures for men and women
- 8) Learning various types of hair styling and application of cosmetics
- 9) Practice to draw the accessories
- 10) Practice to draw landscape, architecture and interiors
- 11) Practicing of free hand drawing

TEXTILE FIBRES AND YARNS

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, Aramide fibres and their uses.

Brief study of high performance fibres.

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 cone 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, Singapore 1985.
2. Joseph J Pretal, Fabric Science 5 th edition, Fair child Publications, New York.

3. Mishra S.P. A text book of fibre science and Technology, New Age international (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).
5. Phyllis G. Toton, Understanding Textiles.

SEMESTER-I

ALLIED PRACTICAL-I

FASHION ILLUSTRATION – I

LIST OF EXPERIMENTS

1. 10 Head and 12 Head Theory – Men and women – Balance and movement
2. Practicing the illustrations of children based on age group
3. Developing different poses of men, women and children – side - $\frac{3}{4}$ th – front – back – playful pose – Sophisticated pose- Classical pose – Aggressive pose
4. Developing illustrations from the pictures of magazines
5. Creating illustrations with various garments styles for men, women and Children. Casual wear, party wears and sportswear.
6. Drawing the stylized figures of men, women and children

Reference:

1. Patric John Ireland, Fashion Design Illustration – Women B.T. Batsford Ltds., London (1996)
2. Patric John Ireland, Fashion Design Illustration – Children B.T. Batsford Ltds., London (1995)
3. Patric John Ireland, Fashion Design Drawing and presentation B.T. Batsford Ltds., London (1982)
4. Patric John Ireland, Fashion Design Illustration – Men B.T. Batsford Ltds., London (1996)
5. Kathryn Mckelvey & Janine Munslow, Illustrating Fashion Blackwell publication (2005)
6. Kathryn Micklvey & Janine Munslow, Fashion source book, Blackwell publication (2006)
7. Bina Abling, Fashion sketch book, fair child publications, New York (1987)
8. Caroline tatham and julian seaman, fashion design drawing course, james & Hudson publication (2003)
9. Julian seaman, fashion illustration basic techniques, B.T. Batsford Ltd., London (1996)
10. Wolfgang Hageney, Tartans, Belvedere, Milan, Italy (1987).

ELEMENTS OF GARMENT MANUFACTURE

UNIT I

Scams: Definition of seams, Federal classification, factors to be considered in the selection of seam, seam finishes, Seam defects.**Stitches:** Definition, stitch classes, Federal classification, stitch parameters, factors to be considered in the selection of stitches. Stitching defects.

UNIT II

Sleeves: Types of sleeves, plain, puffs, gathered, bell, bishop, circular, leg-o-mutton, Magyar sleeves, raglan, dolmen, kimono.**Collars:** Classification of collars, types of collars – convertible, shirt collar with stand, straight collar, flat collars (peter pan, scalloped collar, flared, puritan collar, Sailor collar) square collar, rippled collar mandarin, tie, shawl, rever and notch collar.

UNIT III

Pockets: Types – patch pocket, patch with lining/ flap, front hip, set-in seam, slash pocket with flap – single lip, double lip.**Cuffs :** Types, square shape, round shape. Application of zippers-fly, kissing lap, button & button holes, hooks and eye snaps. Velcro, eyelets, cords.

UNIT IV

Plackets: kurta plackets. Sleeve placket: faced placket, continuous bound placket and diamond placket.**Yokes:** Definition – Selection of Yoke design, different styles of yoke. Simple Yoke – yokes with or without fullness – midriff yokes, methods of attaching yokes.

UNIT V

Fullness : Definition types – Darts single, double, pointed darts – Tucks; pin tucks, cross tucks, piped tucks, shell tucks, - pleats; knife pleats, box pleats, invertible box pleats, kick pleats – flare – godets – gathers – shirring – single or double frills – ruffles and flounces.

Text Books:1. Cooklin Gerry, “**Garment Technology for Fashion Designers**”, Blackwell Science Ltd., 1997.

2. ClaireShaeffer, “**SewingforApparelIndustry**”, PrenticeHall, 2000.
3. MaryMathews, “**Practical Clothing Construction Part I & II**”, Paprinpack, Chennai, 2000.

SEMSTER-II

COREPRACTICAL-II

ELEMENTS OF APPAREL DESIGNING

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.
7. Preparation of samples yoke with fullness and within the yoke supportingfullness.
8. Preparation of samples forcollars.
9. Preparation of samples forpockets.

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. Injoo Kim and Mykyung Uh, Apparel Making in Fashion Design, FairchildPublications, NewYork.

Sumathi G.J. Elements of Fashion and Apparel Design, New Age International (P) Ltd., New Delhi (2002).

PATTERN MAKING AND GRADING**UNIT – I**

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. Draping- Preparation of dress form, Draping techniques-draping of basic bodices front,-draping of basic bodice back- draping of basic sleeve – draping of basic skirt. Flat pattern techniques- Definition, Pivot, Slash and Spreadmethod.

UNIT – II

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 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. Rules for placement of fabric if not sufficient.

UNIT – IV

Fitting and Pattern 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. Common pattern alterations in a blouse.

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, Software pattern grading process and principles.

Reference:

1. Helen Joseph Armstrong Pattern making Fro 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 ScienceLtd.
4. Winfred Aldrich Metric Pattern Cutting for children's wear, Black well ScienceLtd., England (1994).
5. Gerry cooklin Pattern Grading for Men's clothes, Blackwell Science Ltd.,English.

SEMESTER-II

ALLIEDPRACTICAL-II

FASHION ILLUSTRATION – II

List of Experiments

1. Men Illustration the background ofParty
2. Men Illustration on the background ofOffice
3. Men Illustration on the background ofplaygrounds
4. Women Illustration on the background ofParty
5. Women Illustration on the Background ofOffice
6. Women Illustration on the background of Shopping.
7. Men and Women Illustration on the background ofParty
8. Men and Women Illustration on the background ofShopping
9. Men and Women Illustration on the background ofTemple
10. Children Illustration on the background of Playground andPicnic.