

B.Sc. FASHION & APPAREL DESIGN
1st SEMESTER
FIBRE & YARN SCIENCE

FAD 103 A

Total no of Hours- 64

Objectives:

To impart the knowledge of fibres, sources of fibres their identification & properties

To provide students with the knowledge of yarn science & yarn properties

Unit 1

Introduction to textile fibres, Classification of fibres based on source and origin. Identification of fibres by physical and chemical tests (microscopic appearance -longitudinal & cross sectional, burning test and solvent tests). **10**

Unit 2

Basic properties of a fibre forming polymer. Degree of polymerization of different textile fibre forming polymers. Orientation & degree of crystallinity in fibre forming polymers. **8**

Unit 3

Physical and chemical properties of cotton, linen, wool, silk, jute, hemp, viscose rayon, acetate rayon, polyviscose, acrylic, polyester, polyamide, banana, pineapple, tencel and elastomeric fibres. Applications of these fibres with respect to end uses. Commercial fibre blends and selection of fibres for blends. **12**

Unit 4

Sequence of operations and purposes of short/long staple yarn manufacturing processes. Introduction & objectives of opening & cleaning, carding, combing, drafting, roving & spinning. Rotor spinning. Comparison between ring spun & rotor spun yarns. **12**

Unit 5.

Classification of yarns: carded & combed yarns, woollen & worsted yarns, filament & spun yarns. Yarn properties -yarn linear density, size, twist in yarn, twist direction, strength & uniformity. **12**

Unit 6

Introduction to manufacture of Sewing threads and their properties. Fancy yarns -types & uses, Textured yarns-types and applications **10**

References:

Gohl. E.P.G, Vilensky L.D, Textile Science, CBS Publishers, New Delhi, 1999

Mishra S.P, A Text Book of Fibre Science and Technology, New Age Intl, Delhi, 2000.

Eric Oxtoby, Spun Yarn Technology, Butterworth pub, UK, 1987.

Goswami B.C, Textile Yarns: Technology, Structure and Applications, Wiley-Interscience, Newyork, 1978.

Practicals

FIBRE & YARN SCIENCE

FAD 103 B

16 practicals of 3 hrs

Unit 1

Fibre microscopic appearance & burning tests. Solubility tests for fibres. **2**

Unit 2

Visual identification of spun, filament, cords, cable & fancy yarns **2**

Unit 3

Retting of bast, stem & leaf fibres, their yield **3**

Unit 4

Fibre density by density gradient column- chemical dissolution time of fibres using solvents, **4**

Unit 5

Fibre blend analysis **2**

Unit 6

Line sketches of staple yarn manufacturing processes **3**

Theory**ELEMENTS OF FASHION DESIGN**

FAD 104 A

Total no. of hours- 64

Objectives

- To help students understand the design fundamentals, elements and principles of design.
- To understand illustration techniques and Colour theories.

Unit 1

Introduction to art media and its applications- different art media -like pencils, color pencil, crayons, poster, erasers, acrylic, rendering and shading skills 8

Unit 2

Introduction to basic sketching techniques- drawing with different sketching techniques, free hand sketching of objects of day-to-day life 8

Unit 3

Introduction to anatomy and figure drawing- human proportion and figure construction, study of bone and muscle structure 8

Unit 4

Elements of art & design- point, line, form, shape, space, size texture and color 8

Unit 5

Principles of design- harmony, proportion, balance, rhythm, and emphasis 8

Unit 6

Color, dimension of color, hue, value, intensity, color schemes its importance and application. 8

Unit 7

Design- definition, and types. World art appreciation. -Study of art history, evolution of art through, different periods, study of different artist and their techniques 16

References:

Gold Stein and Gold Stein, "Art in every day life", Calcutta- IBH Publishing Co., 1972
 Tate Sharon Lee, "Inside Fashion Design", Francisco Canfield Press, 1977
 Bride M Whelan, " Colour Harmony" Rockfort Publishers, 1992
 Stockton and James, " Designers Guide to Colour", Chronicle Books, San Francisco, 1984
 Chijiwa, Hideaki, " Colour Harmony", Rockfort publishers, USA, 10111 edition, I 992

Practical**ELEMENTS OF FASHION AND DESIGN**

FAD 104 B

16 practicals of 3 hrs

Unit 1

Introduction art media and its applications. 1

Unit 2

The basic drawing and rendering of equipments using pencils, crayon, poster, acrylics, etc.

Unit 3

Introduction to basic sketching techniques 1

Unit 4

Freehand sketching of objects of day-to-day life like flowers, flowerpots, leaves, barks, scenery (natural); houses, computers, (conventional); basic geometrical figures composed into interesting compositions by combining different shapes (geometric); all other kinds of other drawings that does not look natural but also does not convey any straight representative meaning (abstract), 6

Unit 5

Color- color wheel, grey scales, and color schemes 2

Unit 6

Free hand drawing of simple day-to-day objects involving various elements of all -Rendering, shading, color application and finishing of artworks (Min 10 props) 4

Theory**SEWING TECHNOLOGY**

FAD 105 A

Total no. of hours-64

Objectives

To introduce the concept of assembling of patterns by sewing .To impart knowledge of sewing technology

To provide the knowledge of machines used for sewing

Unit 1

Introduction to sewing, history of sewing machine & introduction to sewing system 8

Unit 2

Sewing machines.. Different types of sewing machines, Parts and functions of single needle machine, double needle machine- over lock machine, button hole machine, button fixing machine- their suitability and function, formation of stitch, attachments used in sewing machine, Trends in sewing;machines, Analysis of industrial sewing machines. 18

Unit 3

Sewing machine- maintenance, common problems and remedies. 8

Unit 4

Tools; for clothing construction- cutting tools, measuring tools, marking tools, pressing tools, different types of paper, different types of needles 6

Unit: 5

Sewing threads -importance-selection-characteristics 6

Unit 6 . " Sewing techniques- methods of machine stitching and its importance, basic hand stitches'-

Basting, running; tacking, hand overcast, hemming stitches- plain and blind hemming. 12

Unit 7

Seams and seam finishes- definition, types of seams and seam finishes and their application 6

Reference:

Harold Carr & Barbara Latham, The Technology of Clothing Manufacture, Oxford pub.,USA, 1994
Gerry Cooklin, Introduction to Clothing manufacture, Blackwell science, UK, 1991
Cooklin. G, Fusing Technology, The Textile Institute, UK, 1990

Practical**SEWING TECHNOLOGY**

FAD 105 B

16 practical's of 3 hrs

Unit 1

Sewing machines- different kinds-functions-uses-attachment-stitching on paper 2

Unit 2

Mechanism- care and maintenance of basic sewing machine 1

Unit 3

Tools for clothing construction-cutting, measuring, marking, and pressing tools 2

Unit 4

Sewing techniques- methods of -edge stitching, top stitching, shirring, gathering . 2

Unit 5

Basic hand stitches- Basting, running, tacking, hand overcast, hemming stitches- plain and blind hemming, slip stitch, tailor's tack, and button hole 6

Unit 6

**FASHION & APPAREL DESIGN .
II SEMESTER**

FASHION DESIGN AND ILLUSTRATION

FAD 203A

Total no. of hours- 64

Objectives

To enable students to gain knowledge of figure sketching and drawing,
To understand the fashion design concepts.

Unit 1

Introduction to fashion illustration and brief history of fashion illustration 6

Unit 2

Fashion model drawing. Basic human proportion, body figures and shapes sketching postures. 12

Unit 3

Elements of fashion- a) Fashion terminologies-fashion, style, change, acceptance, taste, fashion cycle, fads, classics, boutique, croquis, fashion trend, haute couture, designer, pret-a-porter, and silhouette. b) Study of garments -different types of collars, sleeves, pockets, cuffs, and yokes 12

Unit 4

Fashion origin, evolution, cycles, length of cycles, fashion of different eras till French revolution. **Unit 5**
Fashion theories- traditional fashion adoption (Trickle -Down theory), reverse adoption (Trickle - Up or Bottom -Up theories), Mass Dissemination (Trickle -Across theory) 14

Unit 6

Fashion psychology- clothing, first impression- role of socio-psychological aspects of clothing. 12

Reference:

Ireland, Patrick *John*, "Fashion Design Drawing and Presentation", B. T. Batsford, London, 1996 Seamn,
Julian, "Professional Fashion Illustration". B. T. Batsford, London, 1995
Allen and Seaman, "Fashion drawing- The Basic Principles", B. T Batsford, London, 1994 Drake and
Nicholas, "Fashion illustrations", Thames and Hudson. London, J 994

Practical

FASHION DESIGN AND ILLUSTRATION

FAD 203 B

16 practicals of 3 hrs

Unit 1

Figure stylization

Illustration Basic croquis, division of the body to make the 8-head figure, increase to 10-head and 0 reduced to 6-head. At least 6 different illustrations for 12 drawings (6 each of 10-head and 6-head)- total 18 illustrations. 3

Unit 2

Figure in motion. Basic straight line drawing of different postures. Geometrical blocks to make different postures. Segregate into postures as normal standing, walking, running and sitting (each 1) Addition of fabrics as clothing and the techniques of fall of the garment and their movements across the body in specific directions could be the conclusion of this exercise. (Total 5 in no) 4

Unit 3

Figure composition. Combination of 2 or more figures in different postures (2 compositions).	3
Unit 4	
Figure foreshortening. Sketching with foreshortening effect -(2 nos.).	4
Unit 5	
Visual Communication. Depict words, emotions and feelings using lines and manipulating the negative and positive space (5 nos)	2

Theory

FABRIC SCIENCE AND ANALYSIS

FAD 204 A

Total no. of hours- 64

Objectives

To impart knowledge of fabric manufacture & fabric properties.
To enable students to understand fabric structures & to analyse them

Unit 1

Different method of fabric formation; classification of fabrics: end use, material, weave, construction, thickness, surface characteristics, etc. Fabric construction methods, basic motions of weaving, loom types and parts-shuttle and shuttle less looms, and basic weaving concepts. Woven

structure representation: plain weave, warp section, weft section & graphical representation. Translation of weave into fabric, design, draft, denting and lifting plans & interrelationships. 14

Unit 2

Elementary weaves: Plain, twill and satin. Influence of these weaves on fabric characteristics.

Unit 3

Plain weave derivatives: warp, weft rib, matt weaves and their influence on fabric characteristics. Examples of their applications in fabrics. Modification of twill weaves: Pointed, herringbone and diamond twills. Regular and irregular satin weaves and their applications in fabrics. 12

Unit 4

Fancy Decorative weaves -dobby, jacquard, pile, leno, surface figure -lappet and double weave 08

Unit 5

Knitting -History, Difference between woven and knitted fabrics. Basic concepts of knitting -loop formation, gauge, weft knits, warp knits and comparison between them. 10

Unit 6

Other fabric construction- felts, Non woven, films, stitch-bonded fabrics, leather, foams, braiding, and multi-component fabrics its manufacture and uses 10

Unit 7

Glossary of fabrics. 04

References:

- Robinson and Mark, Woven cloth construction, The Textile Institute, Manchester 1973.
Blinov and Belay, Design of woven fabrics, MIR Publishers, Moscow.
Grosicki, Z, Watson's textile design and colour, Blackwell Science, U.K. 1998.
Nisbet, H, Grammar of textile design, Taraporewala sons and Co, Mumbai, 1994. E.P.G. Goel and Vilensky, Textile Science, CBS Publishers, New Delhi, 1987.

Practical**FABRIC SCIENCE AND ANALYSIS**

FAD 204 B 16

practicals of 3 hrs

Unit 1

Collection of fabrics used in apparels and recent trends in fabric development. 2

Unit 2

Development of fabrics on fabrics - cotton, wool, silk, synthetics, blends, plain, twill, satin weaves, damask, brocade, tapestries, woven stripes, woven checks, lace etc 4

Unit 3

Analysis of following fabrics for design, draft, denting and lifting plans, particulars of warp and weft yarn counts, ends and picks per inch, crimp, fabric area density, thickness and cover factors. Satin/Sateen, Pointed/Herringbone twill, Honeycomb/Brighton honeycomb, Gauze/leno, Huck-a-back/Mockleno, Denim, Gabardine/Drill, Voile/ Mockvoile, Georgette/ Crepe, Matt/Matty, Turkish toweling/Velvet, Corduroy/Velveteen, Bedford cord/Pique 10

BASIC PATTERN MAKING

FAD 205 A

Total no. of hours- 64

Objectives:To introduce students to basic pattern making concepts
To impart knowledge of basic blocks & flat pattern techniques.**Unit 1**Introduction to pattern making and garment construction. Terminology- notches, grain, grain line, construction lines, perforations, center front line- front and back, bias, true bias, breast line, waistline, seat line, seam, seam allowance, jog seams, darts, dart points, direction of dart excess, dart shape at pattern edge. 12 **Unit 2**

Figure analysis- body ideals- body proportion height and weight distribution, individual figure analysis. 08

Unit 3

Study of all body measurements for all age groups- infants, children, women and men, standards of body measurement, importance, standardization, and size charts. 08

Unit 4

Principles of pattern construction- Drafting, draping and flat pattern- principles, advantages and disadvantages. 04

Unit 5

Methods and preparation of basic blocks-front, back, sleeve skirt front and skirt back for infants, 8 children, women, and men, muslin pattern. 10 c'. Unit 6 / 'or. Flat pattern techniques- pivot and slash-spread methods, single dart series, double dart series, , parallel darts, graduating darts, conversion of darts to tucks, pleats and gathers. 14

Unit 7

Commercial patterns: definition-merits-demerits, sizes and their understanding. 08

References:Goulbourn Margaita, Introducing Fashion Cutting, Grading & Modelling, Batsford pub. UK Bane Allyne, Flat pattern design, McGrawHill pub., USA
Winfred Aldrich, Metric Pattern Cutting, Blackwell Science, UK

Practical
FAD 205 B

BASIC PATTERN MAKING

16 practicals of 3 hrs

Unit 1

Figure analysis-body ideals-proportion, height and weight distribution, individual figure analysis. 2 0

Unit 2

Body measurements- infant-children.;men-women-standard measurement 3

Unit 3

Drafting of master slopers using standard measurement-Infant (I age group), children (3 age groups), men (size 40 and 42) and women (size 8 and 10). 6

Unit 4

Flat pattern techniques and its application- pivot and slash-spread. 3

Unit 5

Preparation of muslin pattern for choli 2

B.Sc. FASHION & APPAREL DESIGN
IIIrd SEMESTER
INDIAN CONSTITUTION

Theory

FAD 301

Total teaching hours -64 hrs

Objectives:

.To acquaint students to the Indian Constitutional aspects

.To impart basic knowledge of State & Central Governance

Unit 1

Framing of the Indian Constitution: Role of Constituent Assembly
Philosophy of the Constitution; objectives resolution, preamble, fundamental right & duties, directive principles of state policy, human rights & environment protection. 12

Unit 2

Special rights created in the constitution for dalits, backward class women and children and religious and linguistic minorities. 08

Unit 3

Directive Principles of State Policy: need to balance fundamental rights with directive principles 10 **Unit**

4

Union Executive: President, Prime Minister and the Council of Ministers; powers and functions, coalition Government, problems in their working. Union Legislature: Lok Sabha and Rajya Sabha and powers and functions, recent trends in their functioning. 12

Unit 5

State government: Governor, Chief Minister and Council of Ministers, Legislature.
Centre-State relations- Political, financial, administrative: recent trends 06

Unit 6

Judiciary-Supreme Court, Judicial review, Writs, public interest litigations. Enforcing rights through writs -Certiorari mandamus, quo-warranto and Habeas Corpus. 08

Unit 7

Emergency provisions.

Amendments to the Constitution:42nd, 44th, and & 74th amendments. References:

Basu DD, Introduction to the Indian Constitution

Narang AS, Indian Constitution, Government and Politics.

Nani Phalkiwala, We, the people, UBS Publishers, New Delhi, 1999.

Noorani, Indian Government & Politics

Objectives

1. To help students to understand the fundamentals and principles of figure design
2. To understand different illustration techniques and dynamic figure sketching.

Unit 1

Understanding design and design development. Design manipulation. 16

Unit 2

Visual communication.. 08

Unit 3

Figure stylization- head the unit of measurement -methods of determining individual proportions. Basic drawing of fashion figure. methods of determining standards of women figure. 10

Unit 4

8 -head figure and 10 head figure -How to draw *lay* figures -front back and side view of mens women's and kids-proportions of measuring 8 -head figure and 10 head figure. 16

Unit 5

Figure in motion -Basic straight line drawing of different postures as normal standing. Walking. running and *sitting*. Figure composition and Figure foreshortening. 14

References:

- Patrick John Ireland, " Fashion Design *illustration*- Men", B. T. Batsford, London, 1996
 Patrick John Ireland, " Fashion Design *illustration*- Women", B. T. Batsford, London, 1996 Patrick John Ireland, " Fashion Design *illustration*- Children", B. T. Batsford, London, 1996
 Lauzzana and Raymond, "International Director Of Design", Peurose, USA, 11rd edition, 1995
 Bush. G, " *Psychology* of clothing", London 1990
 John Wiley, "Theory. of Fashion Design" John Wiley and sons. Inc, New York, 1990
 Stecker P, " The Fashion Design manual" Macmillan, Australia, 1997
 Peacock J, " Fashion Source Books", Thames and Hudson, London, 1997/98

Practical**FASHION ART & DESIGN**

FAD 302 B

16 practicals of 3 hrs

Unit 1

Figure *stylization* -illustration Basic croquis, division of the body to make the 8-head figure and 0 then increased to a 10-head and reduced to a 6-head. At *least* 6 different illustrations could be used to make another 12 drawings (6 each of 10-head and 6-head) -total 18 *illustrations*. 4

Unit 2

Figure in motion.

Basic straight line drawing of different postures and then the geometrical blocks could be used appropriately to make different postures. Segregate into postures as *normal* standing, walking, running and sitting (each I). Addition of fabrics as clothing and the techniques of *fall* of the 1 garment and their movements across the body in specific directions *could* be the conclusion of this ' exercise. (Total 5)

4

Unit 3

Figure composition -com.bination of 2 or more figures in different postures (2 compositions). 3 Unit 4

Figure foreshortening -sketching with 3D effect -(2 nos.). 3 Unit 5 Visual Communication- Depict words, emotions and feelings using lines and manipulating the negative and positive space. (5 nos) 2

Theory**GARMENT CONSTRUCTION**

FAD 303 A

Total teaching hrs -64

Objectives:

- .To introduce the concept of garment making
- .To impart knowledge *or* different garment components

Unit 1

Fabric preparation for garment constructive Layout and estimation- principles of layout, types of layout, correct method of *laying* patterns on the material, importance of fabric estimation, advantages. Easy method of estimating material required for garment and formula method of estimation

12

Unit 2

Fullness- darts, tucks, pleats. gathers- definition, terms, types and application

06

Unit 3

Yokes-definition- Purpose, yokes with fullness and without fullness. Their application and construction

08

Unit 4

Sleeves- definition, sleeve terms, types of sleeves- puff, bell, Kimono and raglan sleeve and construction.

08

Unit 5

Collars-definition- collar terms, types of collars-flat, partial, roll- Peter pan, Turtleneck, Shawl collar, Chinese collar and construction.

06

Unit 6

Pocket-patch-welt-seam.

04

Unit 7 .

Skirts- Basic-circular-tier-pleat -Basic waistband.

08

Unit 8

Fasteners-definition, types, present trends. Finishes- Neckline finishes-piping, facing, Plackets -/ definition, types of placket finishes. Trimming-definition, types- lace work, fringes, tussles, mirror' work, beadwork, and sequins.

12

References:

- Harold Carr & Barbara Latham; The Technology of Clothing Manufacture, Oxford pub.,USA, 1994
 Gerry Cooklin, Introduction to Clothing manufacture, Blackwell science, UK, 1991
 Bane Allyne, Flat pattern design, McGrawHill pub., USA
 Winfred Aldrich, Metric Pattern Cutting, Blackwell Science, UK

Practicals**GARMENT CONSTRUCTION**

FAD 303 B

No. of practicals -16, each 3 hrs

Unit 1

Preparation of~ seams: superimposed, lapped & bound

1

Unit 2

Fullness- darts, tucks, pleats, gathers

2

Unit 3

Yokes- yoke with-without fullness

2

Unit 4

Sleeves- Plain, Puff, Raglan, Kimono

2

Unit 5

Collars- Flat, partial Peter pan Turtle neck Chinese Shawl

3

Unit 6

Fasteners-Press buttons, hook and eyes, shirt button and buttonhole and zip

2

Unit 7

Neckline finishes- facing, binding, piping

1

NEEDLE CRAFT

FAD 305 A

Total no. of teaching hrs -64

Objectives

.To enable students learn methods of surface ornamentation of fabric using different techniques to produce value-added products.

.To enable the students. to develop practical skills in needle craft techniques

Unit 1

Embroidery-introduction-tools, materials, techniques, and types of embroidery-cut work, cross stitch, couching, glass-work and drawn threadwork 12

Unit 2

Patch work and Qu'ilting- introduction-tools, materials and techniques 10

Unit 3

Applique -introduction-tools, materials and techniques. 08

Unit 4

Knitting- introduction-terminology, hand knitting tools, materials, techniques and types of knitting-basics, textures, diagonal, ribs, laces, cables, cross and knotted 12

Unit 5

Crochet- introduction-tools, materials, techniques and types- single, double and circular 08

Unit6

Special techniques- Braiding carpets, hooking carpets, smocking, ribbon work, beads, and sequins work 14

Reference:

Gail L., cc Inspirational Ideas for embroidery On clothes and accessories", Search press Ltd, 1993
Shailaja Naik, " Traditional Embroideries Of India", APH Publishing corporation, New Delhi, 1996 '
Barbara Snook, " Creative Art of Embroidery", Numbly Pub. Group Ltd, London, 1972 "
Anne Mathew, "Vogue Dictionary of Crochet Stitches", David and Charles, London,1989

Practical

NEEDLE CRAFT

FAD 305 B

16 practicals of 3 hrs

Unit 1

Embroidery -the best used stitches of about 30-40 .-which includes line, chain, loop, flat, knotted, cut work, cross stitch, couching glass work and drawn thread work. 5

Unit 2

Knitting- samples about 10-15 samples. 4

Unit 3

Crochet -samples 3-5 samples. 2

Unit 4

Applique, quilting, patch work, braiding carpet, hooking carpet. smoking, ribbon work, beads and sequins work one sample each. 4

Unit 5

Develop one product based on anv one technique of needle craft 1

Theory

CHEMICAL PROCESSING

FAD 306 A

Total of teaching hrs 48

Objectives:

.To impall the knowledge of textile & garment Processing

.To introduce students to various chemicals dyes & auxiliaries used for chemical processing

Unit 1

Introduction to wet processing, sequence of wet processing operations for cotton, silk, wool, . viscose,

polyester and nylon. Classification of textile & garment processing machineries.	6
Unit 2	
Preparatory processes: singeing, scouring, degumming, bleaching and mercerization.	6
Unit 3	
Dyeing: Introduction, classification & application of dyes; direct, basic, acid, vat, reactive and disperse dyes. Methods of dyeing: stock, yarn, piece & union.	10
Unit 4	
Printing: methods- block, screen, roller, styles -direct, resist, discharge & transfer.	4
Unit 5	
Ecofriendly dyeing: After treatments for dyed & printed goods.	4
Unit 6	
Textile finishing: processes, types-routine/functional, mechanical/chemical. Tentering, decatizing, brushing, sanforising, weighting, waterproof/repellent, oil/soil repellent, antimicrobial, antistatic & enzymatic finishes	12
Unit 7	
Garment processing & Finishing. Garment dyeing, types of washing machines, centrifuge & drying. Types of garment finishes; softener, enzymatic & denim washes.	
Unit 8	
Principles of laundering: Stain removal, various solvents used, different methods of washing, application of friction, light pressure, suction & tumble wash. Soaps & Detergents	10

Reference: y. Shenai VA, Introduction to the chemistry of dye stuffs, Sevak pub., Mumbai, 1991
Trotman ER, Dyeing & chemical technology of textile fibres, Charles Griffin co., London. 1993 James
Ronald, Printing & Dyeing of Fabrics & Plastics, Mahajan book distb, 1996 .

Practical

CHEMICAL PROCESSING

FAD 306 B 16	practicals of 3 hrs
Unit 1	
Desizing & Scouring of cotton, wool & degumming of silk	3
Unit 2	
Bleaching of cotton, wool & silk	2
Unit 3	
Dyeing cotton & silk with direct, acid, basic, reactive & vat dyes.	8
Unit 4 Block printing on cotton with different motifs	2
Unit 5 Stain removal of oil, soil, grease, blood & beverages	1

BSc. FASHION & APPAREL DESIGN IV TH SEMESTER CLOTHING CULTURE AND COMMUNICATION

FAD 401

Total teaching hrs -64

Objectives

- .To create awareness about clothing culture
- .To impart knowledge of clothing communication and fashion expression

Unit 1

Understanding clothing, purpose of clothing: protection, modesty, attraction & communication 06 **Unit 2**

Individual & Dress, personal communication, personal expression, image building. Psychological & sociological influence on clothing.	10
Unit 3	
Clothing culture and communication, men and women clothing, groups, role & status of clothing.	6
Unit 4	
Clothing culture & communication based on conservative, labor, liberal, social, democrat, customs and marital status	08
Unit 4	
Individual & Dress, personal communication, personal expression, image building. Psychological & sociological influence on clothing.	10
Unit 5	
Fashion, fashion concepts, differences of fashion and non-fashion, recurring cycles of fashion styles & fashion.	08
Unit 6	
Victorian women, their dress & social position, corset culture, fashion in 20th century, women at war, between war and post war. Equality between men & women, sexual revolution, marriage & family, education & employment. Evolution of different types of costumes.	10
Unit 7	
Minis, maxis, unisex, fit woman, glamorous woman. Casual & formal clothing. Fashion for all, ready to wear fashion, mass marketing of fashion.	10
Unit 8	
Youth style & fashion, teddy boy, skins, mods, hippies, punks, taste of youth & their life style.	06

References.

J Anderson Black, " A History of Fashion" Orbis Publishing Ltd, USA 1985
 Elizabeth Rouse, Understanding Fashion, Blackwell Science, UK, 1989.
 T. Wilcox, The dictionary of costume, Batsford Ltd, UK V
 Jane Asheltord, The art of dress: Clothes & Society, ISBN 1500-1914, amazon.com

Theory

TRADITIONAL TEXTILE ART

FAD 402 A Total teaching hrs -64

Objectives:

- .To impart knowledge of traditional designs & motifs of textile
- .To introduce application of these in different textile: alls-khadi, handloom etc.

Unit 1

Introduction to textile all 2

Unit 2

Introduction of history of textile design- stud~. (f \arious hi~torical designs. influence of religion, art, trade and royalty with respect to' their main tl'atureS-pll,duction techniques, types of textiles, relevance to industry today. 10

Unit 3

Design developing study of motif, design and pattern- geometric natura/realistic, and conventional abstract and stylized, design modification. 12

Unit 4

Combination of different motifs in a pattern. Pattern arrangement- Repeats emphasizing Colour theory, composition, and elements of art and principles of design. 14

Unit 5

Khadi- Introduction, history, importance, types and contribution to economy. 6

Unit 6

Hand loom- Introduction, history, importance, types of looms, types of fibers used and types of handloom fabrics. 8

Unit 7

Overview of textiles -textile designs, symbolic motifs of various cultures. Includes both structural and decorative designs like woven, applied, dyed and printed textiles 12

Reference

Gail Lawther, " Inspirational Ideas for embroidery On clothes and accessories", Search press Ltd, 1993
Shailaja D Naik, " Traditional Embroideries Of India", APH Publishing corporation, New Delhi, 1996
Barbara Snook," Creative Art of Embroidery", Numbly Pub. Group Ltd, London, 1972
Anne Mathew, "Vogue Dictionary of Crochet Stitches", David and Charles, London, 1989

Practicals

TRADITIONAL TEXTILE ART

FAD 402 B

16 practicals, each 3 hrs

Unit 1

Tools and equipments used for textile design.

Unit 2

Basic painting and drawing techniques.

2

Unit 3

Development of design using element of art and principle of design for textile materials.

4

Unit 4

Design Organization emphasizing repeats.

3

Unit 5

Adaptation of traditional designs to present trends in apparel The basic motifs developed could be taken as the source to this section. Convert the developments into appropriate requirements and utilize them on trendy designs. The stress should be on to make innovative designs that are unique and relevant to the boundaries specified.

4

Unit 6

Collection of various woven, applied, dyed and printed textiles, Sketching & painting of designs in them

3

Theory

HISTORICAL COSTUMES

FAD 403 A

Total no. of teaching hrs -64

Objectives

.To acquaint students with different types of costume

.To enhance the students knowledge regarding accessories and jewellery of different eras

Unit 1

Introduction- origin of dress, and functions of dress

4 Unit

2

Ancient Indian costumes 1(, .Indus valley civilization & Vedic age

Unit 3

Middle ages 20

Mauriyan's influence

Guptas

Satahanavanas

.Kushan's

Unit 4

Mghal influence

12

Unit 5

Costumes of different regions of India

12

Reference :

Gillow or Barnard, "Traditional Indian Textiles", Thames and Hudson, London, 1994 Dr. Kiran Singh, "Textiles in Ancient India", Vishwa Vidyalaya
 J Anderson Black, " A History of Fashion" Orbis Publishing Ltd, USA 1985
 S N Oar, " Costumes of India and Pakistan", O B Tataporevala Sons and co Ltd, 1982
 Ritu Kumar, "Costumes and Textiles of Royal India", Christies Book Ltd:, London! 1999
 CI Sharada Devivedi, " Maharaj", Lustre Press, 1999

Practical**HISTORICAL COSTUMES**

FAD 403 B 16

practicals of 3 hrs

Unit 1

Sketch costumes for men, women and children and accessories for the following.

a. Indus valley Civilization b. Vedic age

5

Unit 2

Sketch costumes for men, women and children and accessories for the following c. Mauryan d. Mughal

6

Unit 3

Sketch costumes for men, women and children and accessories for the following

East, West, North & South regions of india

5

Theory**FASHION ACCESSORIES**

FAD 404 A

Total teaching hrs -48

Objectives:

.To impart knowledge on fashion accessories and creativity.

.To provide opportunity for skill development in designing accessories.

Unit 1

Introduction to accessory -definition, history and classification.

4

Unit 2

Accessory types. Head gears, footwear. bows, ties and belts, hand bags, and gloves.

4

Unit 3

Materials and processes. Materials required, material sourcing, design development and production

14

Unit - 4

Fashion trends and m. lrl. l' l' l' ng of accessor'e

6

Unit 5

Jewellery design and production. Types of Jewellery Traditional Jewellery

15

Unit 6

Introduction to gems, basic qualities of gems

5

References:

John Peacock, " The complete 20th Century Source Book", Thames and Hurlson, London, 2000 John Peacock, " Fashion Accessories- Men", Thames and Hudson, London, 1996 Claire Billcocks, " Century of Bags", Chartwell Books, New Jersey 1997
 Malolow Blahnk- Co Collin Mac dolw, " Shoes -Fashion and Fantasies", Thames and Hudson, 1989

**Practical
FAD 404 B**

FASHION ACCESSORIES

Unit 1

Sketching and rendering of Head gears & Foot wear (3 each) 3
Sketching and rendering of Hand bags. (3 no.s). 1

Unit 2

Sketching and rendering of Belts and gloves (3 each)

Unit 4

Sketching and rendering of Earrings, necklaces and bangles.(2 each) 2 Unit
Sketching and rendering of Rings, pedants, bracelets and anklets. (2 each) 2 Unit
Preparation of any four accessories. 6

Theory

COMPUTER FUNDAMENTALS

FAD 405 A

Total teaching hrs-64

Objectives:

.To impart basic computer knowledge to students
.To enable students to understand the roles of IT in automation, Fashion and Apparels.

Unit 1

Introduction to computer: Data, Processing, information. Classification and evolutions of computers.
Configurations of computers. Resolution Factor, Raster & Vector Data and image processing. 12

Unit 2

Computer hardware- central processing, main memory, secondary memory, I/O devices 12

Unit 3

Operating system (OS) Basic concepts ofMS-DOS/ Windows 9x/ NT for system management. 10

Unit 4

Word Processing, Work sheet. basic database, Business Charts (Pie, line Bar etc.) operations, and professional presentation formations. 14

Unit 5

Computer Applications in various fields of Fashion industry f:ashion Communication through digital techniques, Fashion Photography. Latest scanners. 12

Unit 6

Current Trends: Internet, latest net explores installation, configuration and applications. search engines

References:

Winfred Aldrich, CAD in Clothing & Textiles, Blackwell science, 1994
Annual World, Computers in the world of textiles, extile Institute, UK, 1984.

Practicals

COMPUTER FUNDAMENTALS

FAD 405 B

16 practical of3 hrs

Unit 1

Introduction to the computer operations. Hardware and Software understanding.
OS and basic System management, trouble-shooting operations. 2

Unit 2

Word processing software, preparation, saving & printing of text documents. 4

Unit 3

Work sheet basic operations- database, chart formation and Spreadsheet management.	3
Unit 4	
Basic image files scanning- and further processing in terms of customized resolution, size and bitmaps	4
Unit 5	
Internet surfing, free exploration, use of search engines and information collection on the current trends in the fashion industry	3

Theory

GARMENT SURFACE ORNAMENTATION

FAD 406 A

Total teaching hrs -64

Objectives:

- .To impart knowledge on various traditional embroideries of India
- .To gain practical knowledge on different embroideries of India.

Unit 1

Introduction to traditional embroidery.

4

Unit 2

Study of traditional Indian embroidery- history and types.

10

Unit 3

Embroideries of different regions of India Introduction, Kutch, Kathiawar, Sindh, Phulkari, Kantha, Kasuti, Chamba rumal with their C traditional influence, symbolism, basic fabrics, decorative techniques, stitches and color combination.

18

Unit 4

Tribal embroidery

Introduction, types- Nagaland, Manipuri, Lambadi of Andhra Pradesh, Thodas of Tamil nadu with their traditional influence, symbolism, basic fabrics, decorative techniques, stitches and color combination.

16

Unit 5

Commercial embroidery -Kasida, mochi of Kutch, Chikankari, Zardozi with their traditional influence, symbolism. basic fabrics, decorative techniques and stitches.

16

Reference.

- Shailaja D Naik, ..Traditional Embroideries Of India", API~ Pub Corp. New Delhi. 1996
- Sheila Paine, " Embroidered Textiles", Thames and Hudson Ltd. 1990
- Usha Srikant, " Ethnic Embroideries of India" Savithri Pandit, " Indian Embroidery"

Practical

GARMENT SURFACE ORNAMENTATION

FAD 406 B

16 practicals of 3 hrs

Unit 1

Make sample of Kasuti of Karnataka traditional embroidery.

2

Unit 2

Make sample of Chikankari of Uttar Pradesh traditional embroidery.

2

Unit 3

Make sample of Kantha of Bengal traditional embroidery

2

Unit 4

Make sample of Kasida of Kashmiri traditional embroidery.

Unit 5

Make sample of any one tribal traditional embroidery.

Unit 6

Make sample of Phulkari of Punjab traditional embroidery

Unit 7

Illustrate the traditional motifs on any apparel.

Unit 8

Prepare a product on anyone or the combination of different Indian embroidery

Unit 9

Market survey on the trends and uses of the traditional embroidery.

SEMESTER V

Theory FASHION BUSINESS AND COMMUNICATION

FAD 501 Total no. of teaching hrs -64

Objectives:

.To understand the power of verbal, non-verbal and written communication.

.To develop and deliver effective presentations, conduct and participate in meetings and use specific tactics to improve negotiation skills.

Unit 1

Communication Process, Problems and Networks. Verbal communication: Language as a vehicle of communication, Non-Verbal Communication. 12

Unit 2

Study and practice of inter-personal, small group and presentation skills essential to effective social, business and professional interaction. Communicative devices in commercial publicity: letter styles, designs, pictorial presentation, slogans, colour variations. 12

Unit 3

Cultural and intercultural communication theory and behaviour, development of specific communication skills for effective inter-cultural communication. 6

Unit 4

Principles and methods of modern group discussions, press conferences, ; interviews, seminars. 8

Unit 5

Principles of effective public speaking on communication and delivering ideas and concepts to different audiences. 8

Unit 6

Business of fashion, Scope, forms of business ownership, growth and expansion. 8 .

Unit 7

Industry trends, Market weeks, Trade shows, Development of regional fashion centres, Fashion advertising. 10

References:

Bear, David.P, Writing and Speaking in the Technology Professions A Practical Guide, The institute of Electrical and Electronics Engineering. Inc New York, 1982.

Houp,Kenneth and Thomas, Reporting Technical Information, Mcmillan Publishing Co., Inc New york, 1980.

Quible,Zane,Margaret Johns and Dennish Mott, Introduction to Business Communication, Prentice hall of India Private Ltd, 1981.

Easey M, Fashion Marketing, Blackwell Sciences, 1994.

Theory EXPORT DOCUMENTATION & GLOBAL MARKETING

FAD 502

Total no. of teaching hrs -64

Objectives:

To acquaint students with the knowledge of marketing & marketing environments .To impart knowledge of export documentation & legalities concerned

Unit 1

Export marketing of apparel, global scene, prospects for Indian apparels in overseas market,

globalization.	6
Unit 2	
Export credit- short term, anticipatory letter of credit(L/C), packing credit, negotiation of bills, short, medium & long term export credits, methods, role of terms of payment in international trading. Factors responsible for counter trade growth,	10
Unit 3	
Domestic trade vs international trade, regional trade blocks, nature of foreign exchange market, main functions, business & environment -social & logical. Business ethics.	12
Unit 4	
Balance of payment, deficit in balance of payment, debits & credits, commercial bank credit for export trade.	12
Unit 5	
Standard policies- Indian trade policies, India's foreign trade policy: Export & import policy.	10
Unit 6	
Major documents for exports- International codes for products & services, principal, documents auxiliary documents, document for claiming export assistance.	

References:

Jeannette Jarnow, Dickerson, Inside the Fashion Business, Prentice hall, USA,
 Richard Hill, Ralph & James, Industrial Marketing, AITBS pub., 1998
 Phillip Kotler, Marketing Management, Prentice hall, New delhi, 2000
 Dickerson, Textiles & Apparel ,in the Global economy, Prentice Hall, 3rd ed, 1998"
 Darlie Koshy, Effective export marketing of Apparel, Global business press, 1996.

Theory

TEXTILE TESTING

FAD 503 A

Total no. of teaching hrs -48 C

Objectives:

- .To impart knowledge of textile testing of fibre, yam & fabric
- .To introduce & correlate the properties of fibre, yam & fabric

Unit 1

Introduction to textile testing, Terminologies. Moisture & Moisture relations: humidity, content & regain4

Unit 2

Selection of samples for testing, factors to be governed- fibre sampling- yarn sampling- fabric samplingmethods. 4

Unit 3

Fibre testing- Fibre length, fineness, maturity of cotton. 6

Unit 4

Yam testing- yam count, yam twist, evenness of yarn, 6

Unit 5

Fabric testing- fabric dimensions, properties- weight- thickness, length, width, cloth construction parameters, cover factor, relaxation shrinkage, bending, air permeability, pilling, abrasion & drape. 12

Unit 6

Fabric defects, causes, types & remedies. Colour fastness: Laundering, Perspiration, Rubbing & Light 8

Unit 7

Tensile testing of fibre, yarn & fabrics Terms related to tensile testing: load- stress and strain': young's modulus-load elongation- curve- tenacity-elasticity- yield point- work of rupture. Principles & Methods of tensile tests

8

Reference:

Booth JE, Principles of Textile Testing, CBS publishers & distributors, New Delhi, 1996

Grover & Hamby, Hand book of Textile Testing and Quality Control, Willy Eastern P. Ltd, NewDelhi, 1969

Sundaran V, Hand book of textile testing, CTRL publications, Bombay

Practicals**TEXTILE TESTING**

FAD 503 B 16

practicals of 3 hrs

Unit 1

Fibre testing: fibre length, fineness, maturity of cotton.

2

Unit 2

Yarn testing: yarn count, yarn twist, yarn strength.

4

Unit 3

Fabric construction particulars: aerial weight, thickness, thread count, cover factor.

1

Unit 4

Evaluation of fabric properties: bending, tensile strength, tear strength, crease recovery, pilling, drape. 6

Unit 5

Determination of colour fastness- washing, perspiration & rubbing

3

Theory**CAD -CAM IN APPAREL INDUSTRY**

FAD 504 A

Total no. of teaching hrs.- 48

Objectives:

To acquaint students with CAD-CAM based applications in textiles & apparel industries.

To impart knowledge of computer applications in design, draft, production & MIS.

Unit 1

Computer Aided Designing: Fundamentals of CAD Design Process application of computer for design creating the manufacturing database benefits of computer-aided design.

8

Unit 2

Computer Applications Fabric pattern making, grading, marker making laying-cutting, sorting, and labeling, duplicating-marker efficiency. Computer applications in sewing technology, garment designing and stitching Computer & Quality Control.

10

Unit 3

Introduction to Computer Aided Process Planning: Planning function type, process planning e system-generative process planning systems benefits of CAP, MRP.

10

Unit 4

CAD-CAM Integration for textile Industry Computer aided knitting, weaving and embroidery.

10

Unit 5

Computer Integrated Production Management System (CIM). Advanced Computer assisted Design. 10

References:

Winfred Aldrich, CAD in Clothing & Textiles, Blackwell science, 1994
 Annual World, Computers in the world of textiles, extile Institute, UK, 1984. Taylor P, Computers in Fashion Industry, Heinemann pub., 1990
 The Textile Institute. Winning through Information Technology, UK.
 Berkstresser. Buhanan & Graddy, Automation in the Textile Industry: from Fibres to Apparels, The Textile institute, UK.1995
 Veinsinet DO. Computer Aided Drafting & Design-Concept & Application, 1.987

Practical CAD -CAM IN APPAREL INDUSTRY

FAD 504 B

16 practicals of 3 hrs

Unit 1

Making of a. Concept Board (Mood Board) b. Client/ Customer Board. .
 c. Color Card & Texture effects. d. Logo Design (Label, Tags etc. used in Ready to wear apparel)

Design Collection (Five Illustrations).

3

Unit 2

Motifs Development

Symmetrical/Asymmetrical, balanced/ unbalanced, Repeat (Arrangements) 1/2 --drop H/V, 1/3- drop H/V, 1/4 drop H/V

Drop Reverse. Design Placements Deploy motifs on Border, pallu & Allover.

4

Unit 3

Design CROQUIE and Drape it for the Different age groups (Men, Women & Children) for the following wears-Casual wear, Party wear, Nightwear Sports were, office wear/ formal wear.

3

Unit 4

Garments to be designed for children, A-line frock Yoke frock Bush shirt & Trousers (boys) shorts Size: 4,6,6x Women's Salwar Kameez Darts top Skirts Trousers Gown(Size: 8&10) Men's Shirt Jacket Trousers Kurta Size:38,40,42,44

3

Unit 5

Sloper Development and Manipulation in CAD software (get the printouts with explanations)

Manipulation and types of darts, Manipulation of seams, 3. Explain seam allowances; Manipulate a hem allowances, Demonstrate cross markers and notches, Demonstrate ability to manipulate grain line. 3

Theory**APPAREL PRODUCTION**

FAD 505 A

Total teaching hours 48

Objectives:

To impart knowledge ~f apparel production in various stages of manufacture .

To introduce techniques of process evaluation to improvise production

Unit 1

Cutting department: Machineries, Fabric laying, Marker preparation, Sorting, Numbering and Bundling

8

Unit-2

Fusing department: Interlining and its importance, Methods of fusing, Fusing machineries 8

Unit-3

Production department: Selection of production system, Production planning. Sewing machines: Different types of sewing machines, Parts and functions of single needle lockstitch machine, double needle, over-lock, button hole and buttoning machines. Formation of stitch, attachments used in sewing machine, Trends in sewing machines

14

Unit-4

Finishing and pressing department, Trimming department, Packing department

8

Unit 5	Introduction to Industrial engineering concepts in improving apparel productivity: Method study, Work study & Standard time calculations. Balancing.	6
Unit 6	Apparel accessories & components	4
Reference		
Chutler A J. Introduction to Clothing Production Management. Blackwell science, UK, 1998		
Harold Carr & Barbara Latham. The Technology of Clothing Manufacture, Oxford pub., USA, 1994		
Rajesh Bheda. Managing productivity In the Apparel Industry. CBS Publications. New Delhi, 2003		
Ruth E C. Apparel Manufacturing & Sewn Product Analysis,		

Practical APPAREL PRODUCTION

FAD 505 B 16 practicals of 3hrs

Unit1	Analysis of simple spec sheets and sampling	2
Unit 2	Stitching of Waist coat using block including consumption calculation	2
Unit 3	Stitching of Skirts: Umbrella, Gored & Gathered using block including consumption calculation	3
Unit 4.	Stitching of Shirts: Formal, Casual using block including consumption calculation	4
Unit 5	Stitching of Shorts and Trousers using block including consumption calculation	4
Unit 6	Folio on all accessories & components	1

Theory MEN'S, WOMEN'S & CHILDREN'S WEAR .

FAD 506 A Total no. of teaching hrs - 48

Objectives:

To introduce students to various men's, women's & children's wear.
To acquaint students to various stages of garment construction for them

Unit	Pattern laying, methods of layout for asymmetric designs, stripes, checks, one way & two way designs for Men's, Women's & Children's garments.	6
Unit	Study of various types of kids wear: Children's wear, measurements required, Introduction & sketching of baba suit, baby frock, shorts, rompers & pedal-pushers.	2
Unit3.	Garment construction stages & consumption particulars for men's shorts; shirts-formal, casual; trouser-formal, casual, pleated & flat fronts; men's suits- 2 piece, 3 piece, -single & double breasted suits.	10
Unit	Garment construction stages & consumption particulars for women's nighties, blouses, tops, various skirts, formal trousers & salwar kamiz.	4

Unit 5

Intimate garments -introduction, material used & types of fitting for innerwear, constructional steps for men's innerwear briefs & trunks, women's innerwear-brassiers & panties. 8

Reference:

Gerry Cooklin Pattern grading for children's, Ombook service, New delhi, 1991
 Singer, Sewing active wear, Cy DeCosse Incs, 1986
 Singer, Sewing pants that fit, Cowles creative pub., 1989
 Singer, Sewing lingerie, Cy DeCosse Incs, 1991
 Anna Hagggar, Pattern cutting for lingerie, beachwear & leisurewear, Blackwell science, UK, 1990
 E, Changing world of fashion, GP Putnam & Sons, NY.

Practical**MEN'S, WOMEN'S & CHILDREN'S WEAR****FAD 506 B 16****Practicals of 3hrs****Unit 1**

Develop designs, fashion sketch and style features for children's wear- baba suit, baby frock, rompers (2 each) 4

Unit 2

Develop designs, fashion sketch and style features for men's shorts, shirts-casual, formal, trouser- casual, formal, suits -2p, 3p. (2 each) 6

Unit 3

Develop designs, fashion sketch and style features for women's tops, skirts, trousers and salwar c3 kameez (3 each) 6

**VI SEMESTER
 ENTREPRENURESIIP**

Theory.

Total teaching hours -64

Objectives :

To impart the management concepts required fur entrepreneurship
 To introduce the project planning, location selection & related aspects to students

Unit 1

Principles of Management: Process of Management: Planning -types & strategies, Organizing business organization & types, office management, Actuating- leadership, motivation & Communication and Control- authority, power centralization/decentralization, delegation. 14

Unit 2

Entrepreneurship: Introduction. Management strategies. Starting a new venture, essentials of a successful centre. Activities of a modern business entrepreneurship. Project planning, formulation & appraisal. 16

Unit 3

Location of enterprises. Guidelines on location, factors. influencing plant location- availability of labor, raw material, transportation, market & Govt. policies. 14

Unit 4

Plant layout-building structure, lighting, ventilation & heating, material handling 10

Unit 5

Financial planning, Role of Government & financial institution in entrepreneurship development. Industrial sickness & remedies. Tax planning, knowledge of exemptions & deductions. 10

References:

Harell, For entrepreneurs only, Career pub., New Jersey, 1995
 Vikram Sarabhai, Management for Development, Vikas pub., 1974
 Rajagopal, Entrepreneurship and Rural markets.
 Ormerod A, Textile Project Management, The Textile Institute, 1992
 Terry & Franklin, Principles of Management, AITBS, 2002

Theory**FASHION MARKETING & MERCHANDISING**

FAD 602

Total teaching hours -64

Unit 1

Introduction to Merchandising. Role of Merchandiser, product development & product cycle 10

Unit-2

Domestic & Export Market environments, Domestic & International Marketing 12

Unit -3

Channels of Distribution 8

Unit-4

Promotional Activities of Govt. Organisation. Buyers and Sellers Meet 8

Unit-5

Apparel Products & Style Development 10

Unit-6

Costing -Basic Costing, Domestic & Export Pricing 10

Unit- 7

Retail management- scope, technique, types of retailing 6

Theory**APPAREL QUALITY ASSURANCE**

FAD 603 A

Total teaching hrs 48

Unit-1

Introduction to quality control Definition of Quality, Importance of quality assurance, fabric inspection, IPQC, AQL, MIL Standards & Final inspection 12

Unit-2

Concepts of TQM, tools used for quality assurance. 8

Unit-3

Care labels, International care labeling system, Japan/Canada/British care labeling systems. Eco labels 6

Unit-4

Accessories testing, Inspecting garments using spec sheets, Inspecting garments using measuring tapes / without using measuring tapes, Button quality testing, Interlining quality testing, Packing a shirt and identifying faults. 12

Unit-5 .

Applying quality assurance programmes in Fabric department, Cutting department and Production department 10

References:

Pradip V Mehta, Quality Control in Apparel Industry, NIFT pub., New Delhi, 2001

Harold Carr & Barbara Latham, The Technology of Clothing Manufacture, Oxford pub.,ITSA, 1994

Gerry Cooklin, Introduction to Clothing manufacture, Blackwell science, UK, 1991

Chutler A J, Introduction to Clothing Production Management, Blackwell science, UK, 1998

Ruth E C, Apparel Manufacturing & Sewn Product Analysis. , Pradip V Mehta, Introduction to quality Control, ASCQ quality Press, Marcel Dekker Inc, New . York, 1992

Practical**APPAREL QUALITY ASSURANCE**

FAD 603 B

16 Practicals of 3 hrs

Unit 1

Fabric inspection (4 & 10 point) 2

Unit-2

Inspection of apparel care labels, contents, dimensions & position 2

Unit 3

Identification of garment defect 2

Unit 4

Inspecting garments using spec sheets & measuring tapes for children, men & women's wear (2 each)

Faults in apparels, Packing a shirt and identifying faults, Accessories testing 10**Theory****APPAREL MACHINERIES & MAINTENANCE**

FAD 604 A

Total teaching hours- 48

Objectives:

To acquaint students with various machines used in apparel industry .

To introduce students to maintenance of sewing machines

Unit-1

Types of cutting machines & their maintenance.

Unit 2Introduction to sewing machines, Machine nomenclature, maintenance of sewing machine SNLS DNLS, Over lock & Flat lock **10****Unit 3**Mid processing machines: Fusing machines, Collar turning, Cuff turning & pressing. Collar, contour cutting machine, Pocket creasing & turning M/c. **08****Unit 4**Finishing machines, Thread sucking machine, Toppers, Blowers, Stain removers & Needle detectors **10****Unit 5**Machine handling & Maintenance Understanding needles specifications, Needle to hook timing, Feed dog timings, Changing of pulleys & belts, Different types of belt systems, Different types of lubrication mechanisms, Different types of needle systems, Different types of feed mechanisms, Different types of beds, Different types of motors and their maintenance. **12****Unit 6**Preparation of mini marker, Calculation of marker efficiency **04****References:**

Chutler A J, Introduction to Clothing Production Management, Blackwell science, UK, 1998

Harold Carr & Barbara Latham, The Technology of Clothing Manufacture, Oxford pub.;USA, 1994 Ruth

E C, Apparel Manufacturing & Sewn Product Analysis.

Practical**APPAREL MACHINERIES & MAINTAINANCE**

FAD 604 B

Total teaching hours- 48

Unit 1

Identification, sketching & function of different parts of SNLS sewing machine 2

Unit 2

Threading the machines, Fixing & removing of needles and Loading of bobbin & bobbin case SNLS, DNLS & Overlock machines 3

Unit 3

Dismantling & assembling of sewing machine SNLS & DNLS 3

Unit 4

Schedule of maintenance of sewing machines. 6

Unit 5

Preparation of mini marker 8

Calculation of marker efficiency 2

Theory**SALES PROMOTION AND PORTFOLIO PRESENTATION**

FAD 605 A

Total teaching hours- 48

Objectives:

To make students understand the importance of portfolios and presentations.

To impart practical skills for portfolio presentations.

To enable students to understand the importance of promotional activities.

Unit 1

Fashion categories Clothing categories. styling, price ranges and size ranges for men's, women's and kids wear. 4

Unit 2

Fashion forecasting.

Unit 3 .

Visual merchandising: window display, interiors, material study. store planning Elements of visual merchandising. 8

Unit 4

Fashion retailing and store management. 8

Unit 5

Fashion advertising and promotion. 6

Unit 6

Product development

Mood board Spec sheet, Brand building-with competitive strategies and surveys Sourcing, trims and Accessories. 10

Unit 7

Portfolio presentation. Material management and presentation skills. 6

Reference :

Vijay Barotia, "Marketing Management", Mangal Deep Publication, 2001

J. Jarnow and K. G, Dickerson, "Inside the Fashion Business", Prentice Hall, 1997

Laine Stone, Jean A Samples, " Fashion Merchandising", Mcgraw Hill Books, 1985

Practical**SALES PROMOTION AND PORTFOLIO PRESENTATION**

FAD 605 B

16 practicals of 3 hrs each

Unit 1

Portfolio presentation -Individual assignment
Minimum of 4 collections of 5 ensembles each.

4

Unit 2

Fashion show production with the theme -One collection to be designed and produced
The sequence of the collection -conceptualization, mood board, designing, fabric sourcing,
working on muslin pattern, construction, presentation with spec sheets and cost sheets.

5

Unit 3

Window display

Props used, on a particular theme (Christmas/ Diwali/ Holi / Valentine-any one)

Inclusive of color, texture and line scheming, A 3-d structure, apropos to interior decoration techniques.

4

Unit 4

Designer portfolio (anyone).

2

Unit 5

It should include all the work done as collection both in fashion and apparel-design as well as textile projects, photographic shoots, Design projects etc, undertaken Introduction to men, women's and kid's wear,

1

Note: visit to shopping areas for studying window display and for market survey

Industrial Apprenticeship (Dissertation)**FAD 606 Dissertation Report**

Each candidate has to compulsory undergo an industrial apprenticeship in any one of the garment industry or research & development institute or any organization for a period of 8 weeks. This has to be carried out after completion of IVth semester examination before commencement of Vth semester. Each student is has to carry out the dissertation work under the guiding of one of the qualified staff members. After completion of the dissertation work, student has to submit the report to the principal, before appearing VIth semester examination. Dissertation shall be evaluated by the approved examiners.