

B.SC TEXTILES AND FASHION DESIGN

SYLLABUS

(with effect from June 2015)



DEPARTMENT OF HOME SCIENCE

The Gandhigram Rural Institute – Deemed University
Gandhigram – 624 302 Tamil Nadu

B Sc TEXTILES AND FASHION DESIGN
(Syllabus from 2015 onwards)
SCHEME EVALUATION

Course code	Title of the course	Total contact Hours			CFA	ESE	TOTAL
		Credit	Theory	Practical			
15TAMU0101 15HIDU0101 15MALU0101 15FREU0101	Tamil Hindi Malayalam French	3	3	-	40	60	100
15ENGU01X1	English	3	3	-	40	60	100
15NSSU0101 15SHSU0001 15FATU0001 15SPOU0001	NSS Shanti Sena Fine Arts Sports	1	1	-	20	30	50
15YOGU0101	Yoga	1	-	-	20	30	50
15EVSU0001	Environmental Studies	4	-	4	20	30	50
15TFDU01A1	Elements of Fashion and Design	3+1	3	1	24+24	36+16	100
15TFDU0101	Fiber and Yarn Science	3+1	3	1	24+24	36+16	100
15TFDU0102	Field Exposure I	2	0	2	50	-	50
Total		22	14	8			
15TAMU0202 15HIDU0202 15MALU0202 15FREU0202	Tamil Hindi Malayalam French	3	3	-	40	60	100
15ENGU02X2	English	3	3	-	40	60	100
15CHAU0001 15CHAU0001	Core Hindi Core Tamil	2	2	-	20	30	50
15GTPU0201	Gandhi's Life, Thought and Work	2	2	-	20	30	50
15EXNU0201	Extension Education	2	2	-	20	30	50
15ENGU00C1	Communication skills Soft Skills	2	2	-	20	30	50
15TFDU02A2	Sewing Techniques and Accessories (practical)	4	0	8	60	40	100
15TFDU0203	Fabric Structure	3	3	0	40	60	100
15TFDU0204	Fashion Illustration – I (Practical)	2	0	4	60	40	100
15TFDU0205	Field Exposure II	2	0	2	50	-	50
Total		25	17	12			
15TAMU0303 15HINU0303 15MALU0303 15FREU0303	Tamil Hindi Malayalam French	3	3	-	40	60	100
15ENGU03X3	English	3	3	-	40	60	100
15CHAU0002 15CHAU0002	Core Hindi Core Tamil	2 2	2 2	- -	20 20	30 30	50 50

15CSAU03A1	Computer fundamentals and automation	3+1	3	1	24+24	36+16	100
15EXNU03V1	VPP	2		-	50		50
15TFDU03A3	Children's Apparel	1+3	1	6	(24+24)	(16+36)	100
15TFDU0306	Fashion Illustration- II (Practical)	2	0	4	60	40	100
15TFDU0307	Historic Textiles and costumes of India	3	3	0	40	60	100
15TFDU0308	Industrial Training I	2	0	2	50	-	50
15EXNU03F1	Extension/Field Visit		-	2	20	30	50
Total		29	19	12			
	Non Major Elective	3	3	-	40	60	100
15TFDU04A4	Surface Enrichment	1+3	1	6	24+24	16+36	100
15TFDU04EX	Major Elective	3	3	-	40	60	100
15TFDU0409	Textile Testing	2	2	-	40	60	100
15TFDU04010	Women's apparel (Practical)	1+3	1	6	(24+24)	(16+36)	100
15TFDU04011	Portfolio Presentation	1+4	1	8	(24+24)	(16+36)	100
15TFDU04012	Industrial Training II	2	0	2	50		50
15EXNU04F2	Extension / Field Visit		2	-	50	-	50
Total		25	13	12			
15TFDU05DX	Textile Crafts(Skill Based Elective)	0+2	0	2	20	30	50
	Non Major Elective	3	3	-	40	60	100
15TFDU05EX	Major Elective	3	-	3	60	40	100
15TFDU05013	Entrepreneurship development	3	0	3	40	60	100
15TFDU05014	Apparel CAD (Practical)	0+3	-	6	60	40	100
15TFDU05015	Men's apparel (Practical)	1+4	1	8	(24+24)	(16+36)	100
15TFDU05016	Boutique Management	2+1	2	1	(24+24)	60 (36+16)	100
15TFDU05017	Internship I	2	-	2	50	-	50
15EXNU05F3	Extension/Field Visit		-	2	50	-	50
Total		26	6	20			
15TFDU06MX	(Modular)	2	2	0	50	-	50
15TFDU06MY	(Modular)	2	2	0	50	-	50

15TFDU06018	Technical Textiles	4	4	0	40	60	100
15TFDU06019	Textiles and Fashion Merchandising	4	4	0	40	60	100
15TFDU06020	Care and Maintenance of Textiles	4	4	0	40	60	100
15TFDU06021	Project	4	0	4	40	40+20	100
15TFDU06022	Internship II	0+2	0	2	50	-	50
Total		22	16	6			
Grant Total		149	85	64			

Major Electives

Course code	Title of the course	Total hours			Contact hrs	CFA	ESE	TOTAL
		Credit	Theory	practical				
15TFDU04EX	Wet processing	2+1	2	2	4	24+24	36+16	100
15TFDU05EX	Fashion accessories designing.	3	-	3	6	60	40	100
15TFDU05EX	Home textiles	3	-	3	6	60	40	100

Skill Based Electives

Course code	Title of the course	Total hours			Contact hrs	CFA	ESE	TOTAL
		Credit	Theory	practical				
15TFDU05DX	Textile Crafts	0+2	0	2	2	20	30	50
15TFDU05DX	Soft Toy Making	0+2	0	2	2	20	30	50

Modular Courses

Course code	Title of the course	Total hours			Contact hrs	CFA	ESE	TOTAL
		Credit	Theory	practical				
15TFDU06MX	World Costumes	2	2	0	2	50	-	50
15TFDU06MY	Basic Textile Economics	2	2	0	2	50	-	50
15TFDU06MZ	Fashion Psychology and Grooming	2	2	0	2	50	-	50

ALLIED PAPERS**SEMESTER I
ELEMENTS OF FASHION DESIGN
(Course code: 15TFDU01A1)****Credit: 3+1****Contact Hours: 60****Max. marks: 100****(CFA=40+ ESE= 60)****Objectives:**

- To enable students to gain knowledge of design, textile design and fashion
- To understand the fashion design concept and process

SOL (Specific Objective Learning):

After learning this paper the students will gain knowledge in different textile fibers, its classifications and properties. They will be able to identify different fibre types based on its physical and chemical parameters. They will gain knowledge in different methods involved in spinning of fibres as well as different types of yarn and its Texturization process.

Unit I

Fashion – Definition, Classification, terminologies, cycle, Factors, Fashion psychology and forecasting.

Unit II

Elements of Design and colour– Definition, Types, Elements, Principles and its application in dress design in dress design.

Colour – Prang and Munsell colour system, hue, value and intensity, colour scheme.

Unit III

Figure theory and analysis – 8 Head theory, 10 Head theory, Figure proportions for men, women and children.

Trimmings – Neckline, Collars, Sleeves, Cuff, Pocket and Yokes. Garment Styling – Skirts, Trousers, Tops, Jackets and Coats.

Unit IV

Figure Irregularities – Becoming and unbecoming for the figure types – heavy figure, thin, slender, narrow and broad shoulder, small face, prominent chin and jaw, thick arm and prominent forehead.

Unit V

Fashion Designer – meaning, classification, Male and Female Designers of National and International repute

Practicals

1. Introduction to art media and its applications. Free hand sketching technique, cross-hatching, criss cross, scribbling, stripling
2. Perspective drawing and rendering objects using different art media-wet and dry of objects, natural and human figures. Effect of light.
3. Elements and principles of design – Colour schemes, colour wheel grey scale, value scale.
4. Drawing and colouring of Motifs...: Natural, Stylised, Geometric and Abstract.
5. Design manipulation Enlarging, reduction and various types of design layouts.
6. Colour rendering of fabric swatches – Woven, knitted, and printed
7. Fashion illustration: Basic sketching of 6,8,10 head figures – stick, block and flesh figure of child, female and male.

Reference:

1. Piper, David: "The Joy of Art", , - "Mitchell Beazley Publishers, 1984; 1984.
2. Elements of fashion and apparel design G.J. Sumathi
3. Elements of fashion and apparel design Sumathi 81-224-1371-4
4. Encyclopedia of dress making Raul Jewel
5. Stanyer, Peter, "The Complete Book of Drawing Techniques" – Arcturus Publishing Limited for Book Mart Limited 2003
6. Edith Tomory, "A History of Fine Arts' in India and the West" – Orient Longman Publishers 1982, reprinted 1999.
7. Hideaki Chijiwa, Colour harmony – "A Guide to creative colour Combination".
8. HelIn Goworek, "Drawing Course a step by step Guide" Blackwell Publications.
9. HW. Janson & Anthony Janson, "History of art" the western tradition, revised 6th edition, Upper saddle rivet
10. Roy C. Craven, "Indian Art", Thames & Hudson.

SEWING TECHNIQUES AND ACCESSORIES-(Practical)
(Course code: 15TFDU02A2)

Credit 0+4

Contact hours: 75

Max. Marks= 100
(CFA=60+ESE=40)

Objectives:

- To impart skills in basic techniques of pattern making.
- To provide the knowledge of different machines used for sewing.
- To impart pattern making and grading skills to the students.
- Lay a foundation for pattern development, pattern grading and pattern grading skills.

SOL (Specific Objective Learning):

By learning this paper the students will gain knowledge in taking measurements for preparing metric patterns and commercial patterns. They will acquire knowledge in different pattern manipulation techniques and style development. This paper will give way to understand parts and functions of a basic sewing machine and they will be able to know the mechanism and how to take care of a sewing machine. The students will also know to stitch starting from a simple seam to complex collars and yokes.

1. Sewing machine – Parts, functions, care and maintenance.

2. Accessories of sewing- Bobbin, bobbin case, needle and its types.

3. Sewing Techniques- basic

- Basic hand stitches – Basting, running, tacking, hand overcast, buttonhole,
- Hemming stitches – plain and blind hemming and slip stitch.
- Machine Stitching – plain seam, edge, single top, double top, shirring and gathering.
- Seam & seam finishes – Flat fell, French seam, lapped, piped, slot, pinked, overcast, pinked & stitched.

4. Sewing techniques- decorative

- Fullness – Darts, tucks, pleats, gathers and style line.
- Yokes – with and without Fullness.
- Sleeves – plain, puffed, Raglan and Kimono sleeves.
- Collars – Peterpan, shawl and shirt collar.
- Fasteners – Press button, hook & eye, shirt button, button hole and zips.
- Finishes – Neckline finishes – Facing, shaped, piping / binding, placket finishing – continuous one piece, two piece bound placket.

5. Pattern Making

- Body Ideals – Infant, children, Men & Women (Standard measurement).
- Preparing basic blocks – front, back, sleeve, skirt & trousers for kids, women and men.

- Pattern Grading – Basic bodice – front, back and sleeve, skirt, trousers for kids, women & men.
- Flat pattern techniques and its application – pivot, slash & spread - single dart series, double dart series, radiating, graduating, parallel darts, conversion of darts to tucks, pleats, gathers and seams.

Reference:

1. Helen J Armstrong, Pattern Making for Fashion Design, Prentice Hall
2. Pattern + palette – 2Arrizabalaga
3. Pattern cutting and making up Martin .M,shoben 81-239-1373-7
4. Pattern cutting and making up Martin81-239-1373-7
5. Pattern Making of fashionAmstrong 978-81-317-2459-0, 978-317-2459-
6. Harold Carr & Barbara Lathem, The Tachnology of Clothing Manufacture, Oxford Pub, USA, 1994
7. Gerry Cooklin, Introduction to Clothing Manufacture, Blackwell Science, UK, 1991
8. Metric Pattern cutting & Grading by Winfred Aldrich.
9. Bane Allyne, Flat pattern design. M.C. Graw – Hill Pub. USA
10. Winfred Aldrich, “Metric Pattern Cutting”. Black Well Science. UK
11. Helen J. Armstrong, “Pattern Making for fashion design” Prentice Hall

CHILDREN'S APPAREL-(Practical)
(Course code: 15TFDU03A3)

Credit 1+3
Contact hours: 75

Max.Marks=100
(CFA=60+ESE=40)

Objectives:

- To impart the knowledge in drafting and garment construction for children's wear.
- To impart and develop creative skills in designing and constructing children's wear for different age groups.

SOL (Specific Objective Learning):

This paper will enable the students to prepare patterns based on individual measurement and stitch garments for Children independently without any assistance. The students can develop complex patterns and designs based on the practical skill they acquire.

Unit-I

- Infant Jabla, napkin for 0-1 years
- Bib, panty for 2-3 years

Unit- II

- Waist line frock for girl 2-4 years
- Baby frock with puff sleeve 3-5 years

Unit-III

- Flared frock with Magyar sleeve 4-6 years
- Night wear for kids 4-6 years

Unit-IV

- Knickers, shorts 4-6 years
- Bush shirt, T shirt, slack shirt 6-8 years

Unit-V

- Suspenders, Baba suit for kids 3-5 years
- Apron, Hats for kids

Reference:

1. Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai (1986)
2. Zarapker System of Cutting- Zarapker. K. R, Navneet Publications ltd.
3. Practical cutting and tailoring part II Eshwasri Anwahi, Lakhraj Hans R.B Publications, Delhi
4. Advanced drafting and draping Manmeet Sodhia
5. Metric pattern cutting for children's wear and babies wear Winifred Aloric
6. Singer sewing for children.

SURFACE ENRICHMENT-(Practical)
(Course code: 15TFDU04A4)

Credit 1+3
Contact hours: 75

Max.Marks=100
(CFA=60+ESE=40)

Objectives

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

SOL (Specific Objective Learning):

After completing this course the students will know how to stitch different embroidery stitches appropriate to a particular design. They will gain hands of knowledge in Traditional Indian embroideries, Tribal embroidery of India and many other needle techniques like gold and silver works and zardosi works. They will be able to design appliqués, prepare patch works and do smock work on fabric surface.

Unit 1

Traditional Indian embroidery – History, types of embroidery of different state of India – Kutch, Kathiwar, Sindli, Pulkari, Kantha, kasuthi, Chambarumal, Gold & silver embroidery, Zardosi, Chikankari, Kashida- Material, motifs, colour, stitches, technique, relevance

Unit 2

Tribal Embroidery – Introduction, Types – Nagaland, Manipuri, Lambadi, Thoda with their traditional influence, symbolism, techniques, fabric, stitches & colour combination.

Unit3

Patch work, Applique Quilting-Introduction, tools, material & techniques

Unit 4

Crochet – Introduction, tools, material, techniques and types. Knitting – Basic, Texture, Rib, Diagonal, lace pattern, cable pattern, Cross, Knotted.

Unit5

Special techniques-Braiding, Hooking, Smocking, bead & sequins

Practicals:

1. Embroidery – basic embroidery stitch – Straight stitch stem, Back feathre stitch; Flat stitch,. Satin, Cross; Loop stitch – Herring Bone, Feather stitch; Knotted stitch – French knot, Bullion knot.
2. Knitting – Basic – Pearl. Knit, Garter, Stocking, Rib
3. Crochet – single & Double
4. Applique, quilting, Patch work, Smocking, Braiding, Hooking, Lace and Ribbon work.
5. Traditional embroidery - Kutch, Kathiawar, Kasuthi, Chikankari, Kantha, Kashida, Pulkari, Tribal embroidery.
- 6.

References:

1. Shaylaja; D. Naik, Traditional Embroideries of India – APH corp, New Delhi 1996
2. Sheila Paine: Embroidered Textile- Thames & Hudson Ltd. 1990
3. Usha Srikant: Ethnic Embroideries of India
4. Savithri Pandit: Indian Embroidery.
5. Aasha Kutch works Border Designers book, book no 142, Vol 2
6. Animal embroideries and patterns Serena
7. Basis crochet stitches Erika Knight 978-1843404040
8. Crochet holiday collection 53 crochet designs Donna Scott
9. Embroiders pattern book
10. Embroidery and stitch tools Amrit Bajaj 978-81-8411-352-5
11. Embroidery designs for children's garments Nirmala .C Mistr
12. Embroidery Vol 5, Exclusive designer sarees
13. 100 First Crochet Lesley Stanfield 978-1-84340-612-9
14. 101 Folk embroidery and traditional handloom weaving Shailaja D. Naik
15. Needle craft skills techniques 65 practical projects Lucinda Gandert
16. Surface designing of textile fabrics Shailaja 81-224-1860-0
17. Donna Koolars 555 cross stitch Donna Kooler

MAJOR PAPERS

SEMESTER I FIBRE AND YARN SCIENCE (Course Code: 15TFDU0101)

Credit 3+1

Contact hours: 60

Max. Marks=100

(CFA=40+ESE=60)

Objectives:

- To impart the knowledge of fibres, sources, their identification and properties
- To provide students with, the knowledge of yarn science and their properties.

SOL (Specific Objective Learning):

After learning this paper the students will gain knowledge in different types of textile fibers, origin, its classifications and properties. They will be able to identify different fibre types based on its physical and chemical parameters. They will gain knowledge in different methods involved in spinning process of fibers as well as different types of yarn.

Unit - I

Textile fibers, Definition, Sources, Classification and properties to textile fibres. Cellulose fibers-Cotton, flax origin, manufacture, properties and uses. Protein fibers – Silk, Wool – Properties and end uses.

Unit - II

Minor cellulosic fibers – Jute, Hemp, coir, Kapok - Properties and uses. Regenerated cellulose fibers – Viscose Rayon. Acetate Rayon, manufacture, properties and end Uses.

Unit - III

A Polymers – Polymerization, degree of Polymerization, different types of polymers – addition and condensation, orientation and crystallinity, characteristics of fiber forming polymers, general physical and chemical properties of fibers.

B Synthetic fibers-Nylon, polyester, acrylic and modacrylic – properties and end uses. Polyethylene, polypropylene. olefin. Elastomeric fibers (spandex and lycra) – End uses.

Unit - IV

Spinning-Dry, wet and melt spinning, chemical and mechanical spinning. Yarn definition, meaning, types, process for staple fibers (cotton and wool), Ring spinning and rotor spinning, carded and combed yarns, woolen and worsted yarns and fancy yarns.

Unit- V

Texturization – Methods of Texturization, types (simplex and complex yarns) and uses. Blends and Mixture - Types, uses of blended fabrics. Sewing threads – Types, properties and uses.

Practicals

1. Identification of Textile fibers – Microscopic appearance (longitudinal and cross-sectional) and burning tests.
2. Solubility tests for fibers – Cellulosic, Protein and Synthetic.
3. Visual identification of spun, filament, cords, cable and fancy yams.
4. Fiber blend analysis
5. Line sketches of conventional spinning – Cotton and Wool
6. Visits to various units – filed, spinning, weaving, processing and garment units.

References

1. E.P.G. Gohl, L.D. Velensky, "Textile Science" CBS Publishers and Distributors, 2003
2. Seema sekhri "Fabric science" 978-81-203-4183-8
3. Kanwar varinder "Fabric studies" 81-272-1904-58
4. Druid "Fabric textile and patterns" 9789057681127
5. Barker "Hand book of textiles"
6. Jaistree "Hand book of textiles" 978-81-7132-717-
7. A.J. Hall. "The standard hand book of Textiles", Wood head Publishing 8th edition 2004.
8. P.V. Vidyasagar, "Hand Book of Textiles", A. Mittal Publications, 2005
9. Sara J. Kadolph, "Textiles", Prentice Hall, 10th edition 2007
10. J. Gordon Cook, "Hand Book of Textile Fibres", Vol – IT Man Made Fibers, Wood Head Publishing
11. Murphy "Preparation of textile of fibres" 81-85733-75-9
12. Susile dantyayi "Fundamentals of textile and their care" 978-81-250-1027-2
13. Bernard P. Corbman, "Textiles Fiber. to Fabric" McGrawhill Publications, 6th Edition 1983
14. Gilbert R. Merrill, "Cotton Opening and Picking"! Universal Publishing Corporation, 1999
15. Gilbert R. Merrill, "Cotton Combing" universal Publishing Corporation, 1999
16. Gilbert R. Merrill, "Cotton Ring Spinning" Universal, Publishing Corporation, 1999
17. Gilbert R. Merrill, "Cotton Drawing and Roving" Universal Publishing Corporation, 1999
18. S.P. Mishra, "A text Book of Fibre Science &. Technology," New Age International Ltd. 978-81-224-1250-5

FIELD EXPOSURE - I
(Course Code: 15TFDU0102)

Credit 0+2
Contact hours: 2

Max.Marks:50
(CFA=50)

SOL (Specific Objective Learning):

Based on the theory discussed in first semester, all students placed in field exposure during semester break. After successful completion of a field visit in textile manufacturing units and processing units the student will have a complete commercial knowledge on textiles, and also on the latest machineries and equipments.

Field Visit:

From a practical point of view, this approach also seems like it might be a very useful way to document the process of getting to grips with the literature on a subject – helping immensely when it comes to putting together. We have one week/ two week exposure visit at the beginning of first semester. During second semester, the students undertake needs assessment exercise at various textile/ fashion field sites. Documentation in the form of report should be submitted by the candidates for evaluation purpose. The field training component is spread over in all academic institutes to place the successful candidates.

SEMESTER - II
FABRIC STRUCTURE
(Course code: 15TFDU0203)

Credit 3+0
Contact hours: 45

Max.Marks=100
(CFA=40+ESE=60)

Objectives:

- To impart knowledge of fabric manufacture and fabric characteristics
- To enable students to understand fabric structures and to analyze them.

SOL (Specific Objective Learning):

After learning this paper the students will be able to design textile fabrics i.e. woven, knitted and non woven fabrics manually and using Computer Aided Textile Designing (CATD). They will acquired knowledge in different types of looms, loom parts and mechanisms of different looms, both handloom and power loom. The students will know the different types of knitting machines, knitting machine parts and functions, as well as they will be able to design knit fabrics using point paper and in CAD.

Unit I

Fabric Construction – Introduction, basics of different methods of fabric formation (weaving, knitting and non woven). Loom- Parts and functions of a loom (primary and secondary motions), Types of looms – Handloom / Power loom, Shuttle 100ml Shuttle less looms (Projectile. Rapier, Water jet and Air et looms. warping . and pirn winding, Sizing.

Unit II

General characteristics of woven fabrics – Yam, count of yarn and ‘fabric, grain, balance, selvedge and its types. Basic weaves, figured weaves. Plain weave – variation (rib and basket variations) Twill weave – variation (RHT, LHT, Pointed / Chevron and Herring bone)Satin weave – variation (sateen)Graphical representation of the above weaves:
Figured weaves- Dobby – mechanism, types – honeycomb huck a – back bird’ s. eye and uses. Jacquard – mechanism, types – damask, brocade, tapestry and uses. Crepe weave – mechanism, types – Warp pile, weft pile, corduroy and uses. Leno – lappet (extra set of warp), swivel (extra set of weft). Elements of woven Design. Fabric design – Design, draft, peg plan and denting plan.

Unit III

Knitting – Definition, mechanism, characteristics, types and uses. Differences between methods and uses. Circular and flat knitting. Structure of knitting- Warp and weft knitting – Knit, Pearland Interlock. Tricot, melanease and Russell.

Unit IV

Non woven’s – method of manufacture – web formation- parallel laid, cross laid, random laid, high velocity sprayed, Air laid, wet laid. Bonding- resin, latex foam, gelatin, thermo plastic, Spun, spun laced, melding, autogenic, radiation, composite, stitch through, printed adhesive, Needle punching. Finishing and uses.

Unit V

Decorative fabric construction- braiding, netting, lace, knotting, crocheting, embroidery.

Practicals:

1. Identification of weaves – Collection of fabrics for basic weaves – sample, uses with checkerboard design.
2. Figures weaves – samples and uses.
3. Analysis of fabrics – design, draft, denting and lifting plan for plain, twill and satin, honeycomb, huck-a-back, mock leno.
4. Knitted fabrics, diagrammatic representation for weft knit – single jersey, inter-lock and rib
5. Collection of various types of fabrics based on application – apparel upholstery and furnishings.
6. Field visits to various textiles designing units.

References:

1. Ormerod A, "Modern Preparation and Weaving machinery", Woodhead Publication, 2004
2. Chitra, chowdhary "Textile design and structure" 978-81-8342-298-7
3. Charu samy "Textile design theory" 978-81-224-3053-0
4. Tanya jain "Textile designing theory and concept"
5. Frank Ames "Woven master recipes of Sikh heritage"
6. W.S. Murphy, "Textile Weaving & Design", Abhishek Publication, 2003
7. J. Gordon Cook, Hand Book of textiles Fibers Vol I & II", Woodhead Publication
8. Amjden C.A "Navaho Weaving Its techniques and History", Abhishek Publication.
9. Z.J. Grosicki, "Watson's Textile Design & Colour, 7th Edition Woodhead Publication.
10. W.S. Murphy, "Handbook of weaving" Abhishek Publication.
11. Deborah Chnadler, "Learning to weave", Interweave Press, 1995.
12. J.J. Pizzuto, "Fabric Science" 6th Edition, Fairchild Publications.

FASHION ILLUSTRATION -I
(Course Code: 15TFDU0204)

Credit 0+2
Contact hours: 61

Max.Marks=100
(CFA=60+ESE=40)

Objectives:

- To enable the students to familiarize with fashion designing and illustration techniques.
- Acquaint with the steps involved in drawing and to gain skill in illustration and design garments for personal / individual taste.

SOL (Specific Objective Learning):

Sketching is an important skill that is required by a fashion designer, textile designer or a graphic designer. After completion of the course the students will have hands on skills in sketching, colouring, rendering and various other techniques involved in sketching. They will be able to illustrate human figures in different postures and garments.

Unit- I

- Basic human proportions, Anatomy and model drawing 8, 10, 12 head theory, Straight, flesh, motion posture.
- Body figures and features – Hair styling, eye, face, arm, legs. (4, each)
- Figure Drawing – body movements (kids, female and male), leg and hand movements, face drawing and detailing.

Unit- II

- Figure stylization – reducing of figure from 8 head to 6 head and elongation of figure from 8 head to 10 head and 12 head.
- Figure foreshortening with 3 D – effect (2 each).
- Figure composition- theme based (2 each).

Unit- III

- Garment details – collars, cuffs, sleeves, yokes, necklines, pockets (3 each)
- Style manipulation Illustrations of skirt, trouser, gowns, frocks, shirt, jackets.

Unit- IV

- Sketching- folds and curves of different fabric drapes.
- Different action poses and composition.

Unit- V

- Rendering Techniques - Pencil, Steadler and Color Pencil, Charcoal. Fabric Rendering 10 Samples of Different Varieties of Fabric.
- Drawing a fully fledged fashion figure with all the parts of the body, front view, back view, side view and also different angles.

References:

1. Advanced Fashion Sketch Book, Bina Abbing, OM Book Service, India (2007)
 2. Basic fashion design Styling 978-2-940411-39-9
 3. Sapna Sarkas "Fashion and sketch book" 978-93-81031-39-1
 4. Harold Carr "Fashion design and product development"
 5. Fashion Design illustration Children Ireland
 6. Verekes "Fashion designers hand book for adobe illustration Centers" 978-1-4051-6055-1
 7. Anmol Roy "Fashion designing and technologies" 978-81-8411-304-4
 8. Fashion Illustration Flat drawing
 9. Pratap Mulick "Sketching"
 10. Eugeniakim "Saturday night ha" t0-307-33794-4
 11. Tatham Seamas, "fashion design drawing course" 978-0-7641-2473-0
 12. Fashion Drawing – The Basic Principles, Anne Allen and Julian Seaman, Anova Books.
 13. Fashion illustration and Presentation, Manmeet Sodhia, Kalyani Publishers.
 14. Fashion Source Book, Kathryn McKelvey, Blackwell Science
 15. Encyclopedia of fashion details, Patrick John Ireland, Batsford.
 16. Fashion Illustration, Colin Barnes, Little Brown and Co. (UK) (April 1995).
 17. Snap Fashion Sketch Book, Bill Glazer, Prentice Hall; 2 edition (2007).
 18. Figure Drawing for Fashion, Isao Yajima, Graphic-Sha; First Edition (1987)
 19. Fashion Art for the Fashion Industry, Rita Gersten, Fairchild Books (1989)
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FIELD EXPOSURE - II
(Course Code: 15TFDU0205)

Credit 0+2

Contact Hours:2

Max. Marks=50

(CFA= 50)

SOL (Specific Objective Learning):

After successful completion of a field visit in a reputed textile manufacturing concern the student will have a complete commercial knowledge on textiles, they will gain knowledge about the latest machineries and equipments.

Field Visit:

From a practical point of view, this approach also seems like it might be a very useful way to document the process of getting to grips with the literature on a subject – helping immensely when it comes to putting together. We have one week/ two week exposure visit at the beginning of first semester. During second semester, the students undertake needs assessment exercise at various textile/ fashion field sites. Documentation in the form of report should be submitted by the candidates for evaluation purpose. The field training component is spread over in all academic institutes to place the successful candidates.

SEMESTER - III
FASHION ILLUSTRATION -I I
(Course Code: 15TFDU0306)

Credit 0+2
Contact Hours: 64

Max.Marks=100
(CFA=60+ESE=40)

Objectives:

- To enable the students to familiarize with fashion designing and illustration techniques.
- Acquaint with the steps involved in drawing and to gain skill in illustration and design garments for personal / individual taste.

SOL (Specific Objective Learning):

Sketching is an important skill that is required by a fashion designer, textile designer or a graphic designer. After completion of the course the students will have hands on skills in sketching, colouring, rendering and various other techniques involved in sketching. They will be able to illustrate human figures in different postures and garments.

Unit- I

- Rendering techniques – water colour, poster colour, oil and acrylic (fabric rendering of different varieties of fabric).
- Stylized rendering - Different Rendering Style.
- Development of Costumes- on Croquis using elements of fashion.

Unit- II

- Experimenting with collage as a method of illustration.
- Croquis and flat sketches, male, female and kids.

Unit- III

- Fashion Figure: composition and stylizing figure.
- Photo Analysis - Different garments of Kids, Male and Female.

Unit – IV

- Illustrations for packaging, presentation, freelance, stills.
- Flats and Spec Sheets - Draw Flats and garment Spec Sheets.

Unit- V

- Portfolio presentation.
- Product development through fashion illustration in apparels and accessories.

References:

1. Advanced Fashion Sketch Book, Bina Abling, OM Book Service, India (2007)
2. Basic fashion design Styling 978-2-940411-39-9
3. Sapna sarkas "Fashion and sketch book" 978-93-81031-39-1
4. Harold Carr "Fashion design and product development"
5. Fashion Design illustration Children Ireland
6. verekes "Fashion designers hand book for adobe illustration Centers" 978-1-4051-6055-1
7. Anmol Roy "Fashion designing and technologies" 978-81-8411-304-4
8. Fashion Illustration Flat drawing
9. Pratap Mulick "Sketching"
10. Eugeniakim "Saturday night ha" t0-307-33794-4
11. Tatham Seamas, "fashion design drawing course" 978-0-7641-2473-0
12. Fashion Drawing – The Basic Principles, Anne Allen and Julian Seaman, Anova Books.
13. Fashion illustration and Presentation, Manmeet Sodhia, Kalyani Publishers.
14. Fashion Source Book, Kathryn Mckelvey, Blackwell Science
15. Encyclopedia of fashion details, Patrick John Ireland, Batsford.
16. Fashion Illustration, Colin Barnes, Little Brown and Co. (UK) (April 1995).
17. Snap Fashion Sketch Book, Bill Glazer, Prentice Hall; 2 edition (2007).
18. Figure Drawing for Fashion, Isao Yajima, Graphic-Sha; First Edition (1987)
19. Fashion Art for the Fashion Industry, Rita Gersten, Fairchild Books (1989)

HISTORIC TEXTILES AND COSTUMES OF INDIA **(Course Code: 15TFDU0307)**

Credit 3+0

Contact hours: 44

Max.Marks=100

(CFA=40+ESE=60)

Objectives:

- To understand the various century's costumes and historic textiles in India.
- To have concepts on colour, motif and specialization in different state costumes of India.
- To enhance the students knowledge regarding accessories and jewellery of different Eras.

SOL (Specific Objective Learning):

After learning this paper the students will gain knowledge in Historical textiles and Designs starting from the evolution to human to till date. The students will gain knowledge on traditional woven textiles of India and the Traditional embroideries of different states of India. They will even learn about the Traditional costumes of different states of India spread on varied diversity.

Unit I

Evolution of clothing – Origin & functions of clothing – beginning of civilization – Greek, Roman and Egyptian. Study of Historical designs of different countries – Persian, Mughal, Chinese, Japanese and American.

Unit II

Northern traditional textiles

Traditional Woven textiles of North India – Brocades of Banaras, Balucheri, Chanderi and Tanchoi.

Traditional Embroideries of North India – Kashida, Phulkari, Chambarumal and Chikankari.

Traditional costumes of North States of India – Jammu & Kashmir, Punjab, Himachal Pradesh, Haryana, Uttaranchal and Uttar Pradesh.

Unit III

Southern traditional textiles

Traditional woven textiles of Southern states of India – Paithani and Pitamber, Pochampalli, Kancheevaram, Himrus, Kalamkari, Pipli, Mysore silk, Aarni Silk.

Traditional embroideries of South India – Thoda embroidery, Kasuti of Karnataka and Aari embroidery.

Traditional costumes of Southern states of India – Tamil Nadu, Kerala, Karnataka and Andhra Pradesh.

Unit IV

Eastern traditional textiles

Traditional woven textiles of Eastern states of India – Dacca muslin, Applique work of Bihar.

Traditional embroideries of East India – Kantha of Bengal, Sujaini embroidery, Manipuri embroidery and Nagaland embroidery.

Traditional costumes of Eastern states of India – West Bengal, Bihar, Jaharkand, Arunachal Pradesh, Assam, Sikkim, Nagaland, Manipur, Mizoram, Meghalaya and Tirupura.

Unit V

Western textiles

Traditional woven textiles of Western states of India – Maheshwari sarees of Madhya Pradesh, Patola, Bandhini and Amrus.

Traditional embroideries of Western India – Sindhi embroidery – Kutch, Ari Bharath, Kanbi Bharath, Mochi Bharath, Shisha embroidery.

Traditional costumes of Western states of India – Rajasthan, Gujarat, Maharashtra, Madhya Pradesh, Chhattisgarh and Goa.

References:

1. John Gillow & Nicholas Barnad, "Traditional Indian Textiles". Thames & Hudson, 1993
2. Martand Singh, "Saris' of India – Bihar & West Bengal", Wiley Eastern Ltd. 1993
3. Rta Kapur chishti & Amba Sanyal, "Saris of India – Madhya Pradesh," Wiley Eastern Ltd. 1989
4. Ancient Indian Costume, Roshen Alkazi, Art Heritage (1983)
5. Costumes and textiles of Royal India – Ritu Kumar Published by Christie's Books.
6. The Guide to Historic Costumes, Karen Baclawski, Drama Publishers (1995).
7. Ikat textiles of India - G.K. Ghosh
8. Impressions – a classic collection of Indian textiles design (with cd) Prakasha. K
9. India by design Boroian
10. Indian fashion designing Prakash
11. Indian ikat textiles Rosemary crill 1-85177-242-1
12. Indian textiles ethnic and beyond (with cd) R.M. Lehri
13. Paisleys patterns and motifs for embroidery and prints (with cd) RM. Lehri
14. Jute handlooms of india 1-890206-18-0
15. Shifting sands Kutch Textiles Traditions : Transformation Archana Shah
16. Textiles and crafts of India, Arunachal Pradesh, Assam, Manipur Vandana Bhandra
17. Traditional Embroideries of India Shailaja D. Naik
18. Traditional Indian Costumes and Textiles Bhatnagar
19. Traditional Japanese embroidery Julia D. Gray
20. Vintage dress patterns of the 20th century Anne Tyrrell
21. Warli paintings, Traditional folk arts from India K. Prakash
22. World of flowers in wool -Lily Simons
23. Phulkari
24. Susan Kay 978-1-4081-3450-4
25. Sustainable fashion and textile design Anmol Roy 978-81-8411-310-5
26. Suvasas the beautiful costumes Vishnu arora 978-81-8247-196-2
27. Textile and dress of Gujarat Eiluned Edwards
28. Textile art of India - Kokyo Hatanaka
29. Textile arts of India Vastra Satheesan
30. Myths and Legends of Indian, Egypt, China and Japan -Rachel Storm
31. Making Kimono and Japanese cloths Dobson
32. Madhu Priya, "An innovative Collection of Indian Textile designs," Honesty Publishers & Distributors
33. "Traditional Indian costumes & textiles", by Dr. Parul Bharnager, Abhishek Publication.
34. "The Costumes and textiles of India", by – Jamila Brij Bhusan, Taraporevala – Bombay.
35. "A history of fashion in the 20th Century", by – Konemann

INDUSTRIAL TRAINING - I
(Course Code: 15TFDU0308)

Credit 0+2
Contact Hours:2

Max. Marks=50
(CFA=50)

Objectives:

- To expose students to experience and knowledge which is required in industry, where these are not taught in the lecture rooms.
- To apply the knowledge taught in the lecture rooms in real industrial situations.
- To use the experience gained from the 'Industrial Training' in discussions held in the lecture rooms.
- To get a feel of the work environment.
- To gain experience in writing reports in works/projects.
- To expose students to the responsibilities and work ethics.
- With all the experience and knowledge acquired, it is hoped at the students will be able to choose appropriate work upon graduation.

SOL (Specific Objective Learning):

After successful completion of a field visit in a reputed textile manufacturing concern the student will have a complete commercial knowledge on textiles, they will gain knowledge about the latest machineries and equipments.

Industrial Training

Industrial Training refers to work experience that is relevant to professional development prior to graduation. One of the requirements for the award of Bachelor of Science is that students must complete at least 2 weeks of Industrial Training. Industrial Training is normally accumulated during the semester breaks at the end of the second year. Students should note that Industrial Training is an essential component in the development of the practical and professional skills required of a candidate and an aid to prospective employment. Many employers regard this period as a chance to vet new employees for future employment.

All students should make considerable effort and give sufficient thought into obtaining the most relevant and effective Industrial Training. Whilst difficult, it is desirable to obtain experience in a range of activities, such as e.g. design office, laboratory and on-site situations. It should also be noted that developing an awareness of general workplace behavior and interpersonal skills are important objectives of the Industrial Training experience.

SEMESTER - IV
TEXTILE TESTING
(Course Code: 15TFDU0409)

Credit 2+2
Contact Hours: 60

Max.marks=100
(CFA=40+ESE=60)

Objectives:

- To impart the knowledge of Testing of fiber, Yarn and Fabric to the students.
- Enables to know about different Textile Testing Instruments and Machines as well as their working principles.
- Helps in determining the Quality parameters and Testing conditions required in a Textile testing Lab.
-

SOL (Specific Objective Learning):

Textile Testing is an important paper dealing with different physical and functional parameters required for textiles. After learning the paper the students will be aware of testing principles and procedures for fibre, yarn and fabric. They can handle textile testing equipments without any external assistance and prepare testing data more effectively and accurately.

Unit I

Textile testing - Objectives and selection of samples- factors - fiber, yarn, fabric sampling methods, terminologies.

Unit II

Moisture relations- Regain, moisture content, humidity, standard atmosphere. Wet and dry hygrometer, factors affecting regain of textile materials, effects of regain on fiber properties. Fiber testing – measurement of fiber length, comb sorter, fibro graph, measurement of fiber fineness air flow instruments, measurement of maturity of cotton.

Unit III

Yarn testing – yarn count, Yarn twist, twist direction, amount of twist, and effects of twist on fabric properties, measurement of twist. Yarn evenness- causes of irregularity, effects of irregularity, measurement of irregularity.

Unit IV

Fabric testing - woven, knitted fabric, nonwoven– dimensions- length, width, thickness, determination of fabric weight, cover factor, air permeability, stiffness, crease resistance, abrasion resistance, pilling, strength.

Unit V

Determination of colour fastness to laundering, rubbing, light and perspiration.colour matching cabinet.

Practicals

- Fibre testing: Fibre length, fineness, maturity of cotton.
- Yarn testing: yarn count, yarn twist, yarn strength
- fabric construction particulars: aerial weight, thickness, thread count, cover factor.
- Evaluation of fabric properties: bending, tensile strength, tear strength, crease recovery, pilling.
- Determination of colour fastness – washing, sunlight and rubbing.

References:

1. J.E. Booth, “ Principles of Textile Testing” CBS publishers and Distributors, 1996.
2. Textile testing Raul Jewel
3. B.P. Saville, “Physical testing of Textiles”, Woodhead publishing Ltd. 1999.
4. Pradeep V. Mehta. “Managing quality in apparel industry”, New Age international ltd.
5. J.N. Mandal, D.G. Divshikar, “ A Guide to GEO Textiles Testing”, New Age International Ltd.,
6. Arindam Basu, Textile Testing, SITRA Publications.

WOMEN'S APPAREL- (Practical)
(Course Code: 15TFDU0410)

Credit 1+3

Contact Hours: 75

Max.marks=100
(CFA=60+ESE=40)

Objectives:

- To impart the practical knowledge in pattern drafting and construction of women's garments.
- To the style variation in women's wear.
- To develop creative skills in construction for different age group of women's wear.

SOL (Specific Objective Learning):

This paper will enable the students to prepare patterns based on individual measurement and stitch garments for women independently without any assistance. The students can develop complex patterns and designs based on the practical skill they acquire.

Unit-I

- Saree petti coat, six panel, four panel skirt
- Saree Blouse with plain sleeve, kathori blouse with puff sleeve

Unit-II

- Salvar, kameez for teenage girls
- Nightie, Maxie for women

Unit-III

- Middi and middi tops for girls
- Skirts – plain with waist band, wrap around skirt

Unit-IV

- Flare skirt, circular skirt for girls
- Night gown with sleeve

Unit-V

- Ladies shirt, ladies pant
- House coat with shawl collar

References:

1. Scientific garment quality –K M Illege and Sons , Plot No. 43 , Somuvar Peth pune 411011 Easy cutting –Juvekar commercial Tailors Corporation p vt 166 Dr. Ambedkar Road dadar.
2. A stitch in time-Frederick0-19-512615-7
3. Aasha Blouse Design Vol 24, book no 209
4. Aasha Blouse Design Vol 28, book no 213
5. Aasha Blouse Design Vol 34, book no 220
6. Aasha Designer's Blouse , book no 215
7. Aasha Golden Collection Blouse , Vol 3, book no 222
8. Cutting and tailoring course illustrated Gayathri Verma
9. Cutting and tailoring theory Vol 1 Eshwari Anwani
10. Cutting and tailoring theory Gayathri Verm,
11. Garment construction skills Premalatha mullick 81-272-0267-3, 81-272-0267-3
12. Commercial system of cutting - Juvekar commercial Tailors Corporation p vt 166 Dr. Ambedkar Road dadar.
13. Zarapker system of cutting –K.R Zarapker ,Navneet publication ltd.

PORTFOLIO PRESENTATION
(Course Code: 15TFDU04011)

Credit 1+4

Contact Hours: 68

Max.Marks=100
(CFA=60+ESE=40)

Objectives:

- To make students understand the importance and concepts of Portfolio presentation.
- To impart practical skills for portfolio presentation

SOL (Specific Objective Learning):

Portfolio is the collection of designs by a designer organized systematically. After gaining handful knowledge in the paper the student will be able to create portfolio on any theme that is provided to them. An effective and creative portfolio is required by each and every student to get into fashion designing career. Hence portfolio will act as mind of the student and will enable every recruiter to judge the students designing skill based on the portfolio they have prepared.

Unit- I

Design a garment based on the following categories. (Choose any one category)

- Indian inspiration
- World costume
- Printing techniques

Unit-II

Design a garment based on the following categories. (Choose any one category)

- Workers costume
- Back to school
- Seasonal wear
- Western wear

Unit- III

Design a garment based on the following categories. (Choose any one category)

- Party wear
- Bridal wear
- Festival wear
- Dance costume

Unit- IV

Design a garment based on the following categories. (Choose any one category)

- High fashion wear
- Classic
- Ethnic
- Sports wear

Unit- V

Prepare a portfolio with the following boards – Theme board, Mood board, Colour board, Swatch board, Trim card, Design Board, Flat sketch, Illustration, Pattern board and Photographs of final garment.

References:

1. J Jarnow and KG Dickenson, “ Inside the fashion Business” Prentice Hall
2. Be stylish with Bernia Quleshi Bernia Gureshi
3. Comdex Fashion Design Vol -1 Fashion Concepts Vikas Gupta
4. Cooklins garment tech note for fashion design Steven 978-81-265-3537-8
5. Costumes and textiles of Awadh Sushana Swarup
6. Fashion designing Ritu bal 817573776
7. Comdex Fashion Design Vol -2 Esembles for your body type Vikas Gupta
8. Gini stephens Frings “ Fashion – from concept to consumer” Pearson Education
9. Jerligan Easterling “ Fashion Merchandising and Marketing” Person Education
10. Polly Guerin “ Creative fashion Presentation” Fairchild Publications
11. Drake / Spoone/ Greenwald “ Retail fashion promotion and Advertising”

INDUSTRIAL TRAINING - II
(Course Code: 15TFDU04012)

Credit 0+2

Contact Hours:2

Max. marks=50

(CFA=50)

Objectives

- To expose students to experience and knowledge which is required in industry, where these are not taught in the lecture rooms.
- To apply the knowledge taught in the lecture rooms in real industrial situations.
- To use the experience gained from the 'Industrial Training' in discussions held in the lecture rooms.
- To get a feel of the work environment.
- To gain experience in writing reports in works/projects.
- To expose students to the responsibilities and work ethics.
- With all the experience and knowledge acquired, it is hoped at the students will be able to choose appropriate work upon graduation.

SOL (Specific Objective Learning):

After successful completion of a field visit in a reputed textile manufacturing concern the student will have a complete commercial knowledge on textiles, they will gain knowledge about the latest machineries and equipments.

Industrial Training

Industrial Training refers to work experience that is relevant to professional development prior to graduation. One of the requirements for the award of Bachelor of Science is that students must complete at least 2 weeks of Industrial Training. Industrial Training is normally accumulated during the semester breaks at the end of the second year. Students should note that Industrial Training is an essential component in the development of the practical and professional skills required of a candidate and an aid to prospective employment. Many employers regard this period as a chance to vet new employees for future employment.

All students should make considerable effort and give sufficient thought into obtaining the most relevant and effective Industrial Training. Whilst difficult, it is desirable to obtain experience in a range of activities, such as e.g. design office, laboratory and on-site situations. It should also be noted that developing an awareness of general workplace behavior and interpersonal skills are important objectives of the Industrial Training experience.

SEMESTER - V
ENTREPRENEURSHIP DEVELOPMENT
(Course Code: 15TFDU05013)

Credit 3+0

Contact Hours: 42

Max. marks=100

(CFA=40+ESE=60)

Objectives

- To develop entrepreneurship skills among the students in textile field.
- To familiarize the students with the process and procedure of setting up, new enterprises.

SOL (Specific Objective Learning):

After learning this course the students will have a basic understanding about entrepreneurship and the types and role of an entrepreneur. This paper will enable the students to know how to become an independent entrepreneur, various financial agencies available to acquire funds and asset benefits, they will have knowledge on world trade practices, and several other managerial aspects that are required by a successful entrepreneur.

Unit I

Scope of Entrepreneurship

Introduction to entrepreneurship, development of entrepreneurship, role of entrepreneurs in development of apparel and fashion industry, entrepreneurship with reference to fashion and apparel industry in India.

Unit – II

Organizations

Entrepreneurial support by state, central financial institutions, organizations. Government policies with reference to textile and apparel industry.

Unit - III

Entrepreneurship in apparel industry

Business planning – Starting a new venture related to apparel industry, essentials of a successful centre; Location & plant layout-factors, influencing plant location, building, structure, lighting, ventilation, material handling, availability of labour, material management and transportation.

Unit IV

Industrial Management

Industrial sickness and remedies, tax planning, VAT, Patent Rules, Factory Act, Minimum wages, knowledge of exemptions & deductions. Health and safety Measures in Textiles and garment industries.

Unit V

Management and the entrepreneur- Equipment Management, Inventory control- production control- quality control, cost control and business communication.

Reference:

1. RajaGopal, Entrepreneurship & Rural markets
2. H.B.S. press, Harward Business Review on Entrepreneurship Harward business review, USA
3. Michele Gananger, Fashion Entrepreneurship Retail Business planning.
4. Harrel W. For Entrepreneurs only. Career Publishing
5. Jain G R & Gupta D, New Initiatives in Entrepreneurship Education & Training.
6. Chunawalla S.A. Sales Management, Himalayan publishing House, New Delhi, 1999.
7. Dr.N.Rajan Nair, Sajith R. Nair Marketing, Sutanchand and Sons, New Delhi, 2002.
8. Vasant Desai, Project Management and entrepreneurship, Himalaya Publishing House, New Delhi, 2009.
9. David H.Moli, Entrepreneurship, prentice Hall of India, New Delhi, 1999.
10. Frank Jerkins, Advertising, prentice Hall of India, New Delhi, 2000.

APPAREL CAD – (Practical)
(Course Code: 15TFDU05014)

Credit 0+3

Contact Hours: 75

Max.marks=100

(CFA=60+ESE=40)

Objectives:

- To acquaint students with CAD and CAM based applications in Textiles and Apparel industry.
- To impart knowledge of computer applications in design, draft, cut, production and management information systems.
- To bring the awareness of computer application to the field of fashion designing.
- To provide the knowledge about fashion software's and its application.

SOL (Specific Objective Learning):

Computer aided designing is an important skill that is required by a fashion designer, textile designer or a graphic designer at the present Era. After completion of this course the students will have hands on skills in sketching, colouring, rendering and various other techniques involved in sketching using CAD software. They will be able to illustrate human figures in different postures and garments. They will be able to create design patterns; do texture mapping, 3d Visualization and simulation of fabrics on garments.

Unit-I

Computer process planning, functions, types benefits of CAP, MRP.CAD applications in Fabric pattern designing, modification for size and fit, making, grading computerized marker making and market efficiency using pattern making software's.

Unit-II

Motifs development – Symmetrical / asymmetrical, Balanced / Unbalanced repeat (arrangements) $\frac{3}{4}$ drop, $\frac{1}{2}$ drop , H/V, $\frac{1}{3}$ drop H/V, $\frac{1}{4}$ drop H/V Drop Reverse, design placements on borders, pallu & all over.

- Scanning Images from Photographs, Magazines
- Editing the Scanned images for Design Changes
- Developing Small Designs, Motifs for necklines, embroidery designs for hand kerchiefs

Unit-III

Fabric lay planning, its types manual and computerized cutting, sorting and labelling, bundling.

- Texture Mapping- in fashion apparel, texture mapping in home furnishings
- 2D Designing, slides with color changes in garment, design changes in garment
- Label Designing
- Logo Designing for branded apparel.

Unit-IV

Software applications in production department, garment designing.

Unit-V

Developing Women's and Men's Garments - Casual dressings, Party wears, Formal wear (Any One)

Reference:

1. Mikell. P. Groover, Emory W. Zimmers; Jr, " CAD /CAM computer aided design and maufacturing", Printice Hall of India PVL. Ltd.
2. Veinsinet D D, " Computer aided drafting and Design Concept & Applications, 1987
3. Digital fashion illustration Kesin Tallon978-0-7134-9058-9
4. Alison Beazley & Terry bond", Computer Aided pattern Design and Product development" Blackwell Science, 2004.
5. Carr H & Barbara Latham B, "Technology of clothing manufacture" 3rd edition, Black well sciences Publication 2000
6. Winfred Aldrich, " CAD In clothing ' and textiles, Blackwell science, 1994
7. Taylor P, "Computers in Fashion industry", Heinemann publishers 1990.

MEN'S APPAREL- (Practical)
(Course Code: 15TFDU05015)

Credit 1+3
Contact Hours:75

Max.marks=100
(CFA=60+ESE=40)

Objectives:

- To impart the practical knowledge in pattern drafting and garment construction skills in men's wear for the students.
- To develop creative skills in designing and constructing men's wear for different age groups.

SOL (Specific Objective Learning):

This paper will enable the students to prepare patterns based on individual measurement and stitch garments for men independently without any assistance. The students can develop complex patterns and designs based on the practical skill they acquire.

Unit-I

- T-shirt with U neck line and V neck line
- Slack shirt with Shirt collar with band and without band

Unit-II

- Full sleeve shirt with yoke
- Shorts, trousers with fly

Unit-III

- Tracks with waist band
- Knickers with waist band and side pocket

Unit-IV

- Night suits for boys
- Pyjama and kurtha for men

Unit-V

- SB Vest with bound pocket
- Men's coat with shawl collar and pocket.

References:

1. Scientific garment quality –K M Illege and Sons , Plot No. 43 , Somuvar Peth pune 411011
2. Easy cutting –Juvekar commercial Tailors Corporation p vt 166 Dr. Ambedkar Road dadar.
3. Commercial system of cutting - Juvekar commercial Tailors Corporation p vt 166 Dr. Ambedkar Road dadar.
4. Zarapker system of cutting –K.R Zarapker ,Navneet publication ltd.
5. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college ,32 North park street ,Ambattur , channi. Pratical clothing construction – Part I and II Mary Mathews, cosmic Press Chennai.

BOUTIQUE MANAGEMENT
(Course Code: 15TFDU05016)

Credit 2+1
Contact Hours:42

Max. marks=100
(CFA=40+ESE=60)

Objectives

- To acquaint the students for better managerial skills on Boutique.
- To enable the students to understand the intricacies of retail business.

SOL (Specific Objective Learning):

By learning this paper the students will know how to plan and organize a store, gain knowledge in interior and exterior decoration, know how to visually merchandize the fashion product. They will have knowledge in different fashion brands and organize commercial shows like trade show, fashion show and exhibitions.

Unit I

Introduction to Boutique management and terminologies. Fashion Retailing – History, Scope, Importance. Types of retailing (Domestic & International), techniques. Boutique market place and its role.

Unit II

Business options and plans for boutique. costing and funding agencies. Boutique display, Exterior of Boutique, Illumination, Masking and Proscenia Mannequins and 3D Dressing. Props & promotions on floor. Visual merchandising and colour pallets.

Unit III

Boutique interior planning – Boutique interiors and display locations, fixture & dressings, purchase display systems. Boutique management – types of Boutique, planning, layout and storing

Unit IV

Inventory control – definition, types, importance, remedies. Buying for boutique, Pricing merchandise and hiring.

Unit V

Effective Sales techniques, Boutique operations, Brand Building, Competitive strategies and survey, market research, trade shows, Exhibitions, Fashion shows, Trade organizations.

References

1. LAURA I BLISS, Guide Visual Merchandising and Display III Edition, 1995 Fairchild Publications.
2. Fashion marketing and merchandizing Manmeet sodhia 81-272-1184-2
3. Gastelino. M. Fashion Kaleidoscope, Rupa & Co. 1994.
4. Gibson. G. Vedomani, Retail Management, jaico Publishing house, Bangalore
5. Elaine Stone, The Dynamics of Fashion, Fairchild Publication
6. Brenda Sternquist international Retailing, Fairchild Publication, New York
7. Martin. M. Pegler, Store Window No.14, No 12, Visual reference Publishers, Newyork.
8. Jonny Tuckers, "Retail Desire" Rotovision SA UK.

INTERNSHIP - I
(Course Code: 15TFDU05017)

Credit 0+2
Contact Hours :2

Max. marks=50
(CFA=50)

SOL (Specific Objective Learning):

After successful completion of an internship in a reputed textile manufacturing or garment manufacturing concern the student will have a complete commercial knowledge on textiles and garments, they will gain knowledge about the latest machineries and equipments.

Internship

Period of supervised training required for qualifying for a profession. It follows a specified number of academic credits or classroom years. To provide a valuable opportunity to gain work experience in a student's chosen field before graduation. A student or a recent graduate undergoing supervised practical training. Since relevant work experience is one of the key qualifications companies look for when comparing candidates for a job or internship, completing several internships during college greatly increases the chances of being selected for a job after graduation. Even though college students learn the knowledge required for succeeding in a specific career through their college courses and curriculum, internships are one of the best ways to develop the required skills necessary to gain the experience required to be successful in the field.

Completing an internship can help a student decide if a particular career is actually the right fit for them, and through an internship, students can establish contacts or even earn college credit while working in a part-time, temporary position. Additionally, in a competitive job market, internships for college students give recent graduates an edge over other potential candidates who do not have any relevant work experience.

SEMESTER - VI
TECHNICAL TEXTILES
(Course Code: 15TFDU06018)

Credit 4+0

Contact Hours: 60

Max.marks=100
(CFA=40+ESE=60)

Objectives:

- To acquaint students with the application of Non woven & technical textiles in industry.
- To impart knowledge of technical textiles with their properties and applications.
- To understand the concepts of smart textiles, nano textiles and other technical textiles.

SOL (Specific Objective Learning):

After learning the paper the students will understand the complexity of the textile industry. They will gain knowledge in Technical textiles its classifications, technical fibers and its applications. They will have a lot of options for their project during their final semester and also learn about different career options they have got in various different fields of textile application.

Unit - I

Technical textiles – Meaning, Definition, Classification, Scope of technical textiles, Application of technical textiles,

Fibers suitable for technical textiles – Developments in fibres-natural fibres, polyamide, polyester, viscose rayon, polyolefin, high performance fibres, glass and ceramics,

Technical fabric structure - Woven and non woven

Unit – II

Automobile tech – Introduction, Textiles in cars, train, air craft's, marine and other vehicle applications.

Build tech – Introduction, fibres and composites, Interior design , acquastic, false fencing, hoardings, signage, scaffolding nets, awnings , canopies, taurpaulins, architectural membranes, roofing materials and concretes.

Unit - III

Geo tech – Introduction, Geosynthesis, properties of Geo textiles, Applications of Geo textiles – soil erosion control, land slide, road construction, dam construction, Geo textiles structural forms.

Agro tech – Introduction, application of Agro textiles and Agro textile products.

Agro textile for horticulture and floriculture, Textiles in animal husbandary, fishing and Aquaculture applications

Unit - IV

Sports tech – Introduction, classification – sporting equipments, sport wears, personal protective textile materials in sports.

Pro- tech – Introduction, Classification – self protection, protection against calamities, external Protective materials, heat protection, Ballistic protective materials. Fire proof, Flame retardant finish, UV protective materials.

Unit - V

Pack tech – Introduction, classification of Pack textiles, applications and uses.

Home tech- definition, bed linens, floor coverings, wall coverings and window treatments, table and kitchen linens.

References

1. Meachm Lewin & Jack Preston, and book of Fiber Science & Technology. Volume III, High technology fibers part A; Marcel Dekker. Inc 1993
2. Menachem Lewin & Jack Preston; Handbook of Fiber Science & Technology Volume III, High technology fibers, part B; Marcel Dekker Inc 1993
3. Menachem Lewin & Jack Preston, Hand book of Fiber Science & Technology Volume III, High technology fibers part C Marcel Dekker. Inc 1993
4. Sarah. E Braddock and Marie O' Mahony" Techno textiles – Revolutionary fabrics for fashion & design", Thames & Hudson 2002.

TEXTILES AND FASHION MERCHANDISING
(Course Code: 15TFDU06019)

Credit 4+0

Contact Hours:60

Max.marks=100

(CFA=40+ESE=60)

Objectives:

- To develop and deliver effective presentations, conduct and participate in meetings and use the specific tactics to improve negotiation skills.
- To impart knowledge of merchandising in fashion industry in understanding Production activities and Productivity involved in a garment unit.
- To impart merchandising skills and merchandising knowledge in the field of apparel and textile.
- It helps in merchandising, terminologies, concept and application of merchandising, types of merchandisers.

SOL (Specific Objective Learning):

Merchandizing is the backbone of all industrial activity, a merchandiser is a very important official who deals with the entire production process and is a communicator to the buyer and the manufacturer. Hence after learning this paper the student will understand the role and responsibilities that are required by a merchandiser. They will have a thorough knowledge on various quality aspects that a merchandiser has to follow, gain knowledge in fabric and trims sourcing and will be able to prepare an effective costing plan for a garment.

Unit - I

Merchandising And Merchandiser – Definition – Scope Of Merchandising – Functions And Types of Merchandisers – Role Of Merchandiser- Essential Requisites of A Good Merchandiser – Organization of Merchandising Department. Quality Interface – The Concept of Quality – Quality Assurance And Control – Total Quality Control For Merchandiser – Role of Merchandiser In Quality Management

Unit -II

Apparel industry framework, apparel manufacturer, buying houses, apparel exporters. apparel supply chains and retail segments. Designing and fixturing the retail environment.

Unit - III

Fashion promotion; Media Planning & Production Communication through different media – media ethics, press notes. Fashion Advertising & Public Relations, image management – Brand building, Fashion centers & Trade shows.

Unit - IV

Sampling – Importance, presentation, counter samples, importance of time in sampling, sample costing and preparation of quotations, order confirmation, line planning, style planning, production and quality planning. scouring of fabrics, accessories, lead time for the supplies, cost production prototype and production, sampling.

Unit - V

Retailing merchandiser, concepts, Quick response, just in Time, Merchandising Calendar, trend analysis, forecast analysis, concepts of apparel product lines, planning, directing, co-ordinating and controlling.

References:

1. Apparel merchandising management Vasugi raja 978-81-907757-3-1
2. Encyclopedia of Textiles set of 4 vols S. Naik
3. Encyclopedia of textiles vol (4) 1 Naik 978-93-313-1847-3
4. Statistics for textile apparel management J. Hayavadan
5. Apparel Marketing and merchandizing M.S. Sheshadri
6. Grace I. Kunz, Merchandising: Theory, principles and practices, Fairchild publication.
7. Elaine Stone, Dynamics of Fashion, Fair Child Publication
8. Phillip Kotler, Marketing management, Pearson Prentice Hall,
9. Tim Jackson & David Shaw, Fashion Buying & Merchandising Management.
10. M.S. Sheshadri, Apparel marketing & Merchandising, MS Publication, Bangalore.
11. Fashion Merchandising – Strong Elia
12. Managing Quality In Apparel Industry – Pradeep Metha
13. Human Behaviour At Work – Keith Davis.
14. Marketing Management – Philip Kotler
15. Marketing Management – Sharlekar
16. Fashion Marketing – Mike Eassey (Ed), Blackwell Science
17. Marketing Management – Rajan Nair
18. Fashion from concept to consumer Gini Stephi 0-13-177478-6

CARE AND MAINTENANCE OF TEXTILES
(Course Code: 15TFDU06020)

Credit 4+0

Contact Hours:60

Max. marks=100

(CFA=40+ESE=60)

Objectives:

- The subject focuses on the improvement on the aesthetic values of the textile material.
- To impart knowledge in laundry, laundering agents and their proper use.

SOL (Specific Objective Learning):

After learning this paper the students will gain thorough knowledge in Care and maintenance of textile materials. They will be able to classify different finishing processes of textiles, preparatory process and different bleaching process. They will know different dyeing process, dyeing equipments, printing process, laundering process, soap and detergent manufacturing process, Fusing technology and fusing process.

Unit – I

Laundry Equipment. Minimum requirements – Availability – Effective arrangements of space and equipment – purchase and maintenance of equipment. Water – hard and soft water – Methods of softening water.

Unit –II

Soaps and detergents – manufacture of soap, cleansing action of soap, detergents, soapless detergents, indigenous cleaning agents like Rita nuts. Shikkakai – green gram- bran solutions.

Unit - III

Optical brighteners and starching – stiffening agents – Natural and commercial starches – Preparation of starch; use blueing agents – their application – optical blues, bleaches, types of bleaches and other laundry reagents.

Unit - IV

Principles of laundering – stain removal, methods of washing – Application of friction - hand friction, Rubbing and scrubbing - Application of light pressure, kneading and squeezing suction – washing – use of washing machine.

Unit - V

Dry cleaning and laundering

Methods of finishing damping – Ironing Methods of ironing different garments - Drying equipments. Dry cleaning and storage. Visit to soap manufacturing factory and dry cleaning unit.

References

1. Textiles fabric & Their Selection, Wingate, I.B. Allied Publications Pvt. Ltd., Chennai.
2. Fundamentals of Textiels and Their care. Dantyagi.S. Orient Longman Ltd., New Delhi 1980.
3. Family clothing tate of Glession John wiley & Sons Inc., Illiono is latest Edition.
4. Household textiles and laundry work durga Deulkar, Alma Ram & Sons, Delhi.

PROJECT
(Course Code: 15TFDU06021)

Credit 0+4
Contact Hours:4

Max.Marks=100
(CFA=40+ESE=40+20)

Final year under graduate students at the end of final semester under goes a minor research work. Based on the curriculum/ area of interest by the individual has been focused with objectives, and detailed work on literature, methodology, result analysis and submitting as bound work with summary ,conclusion with evidence of tools used, appendix. This will be evaluated as per the scheme.

INTERNSHIP – II
(Course Code: 15TFDU06022)

Credit 0+2
Contact hours:2

Max.marks: 50
(CFA=50)

SOL (Specific Objective Learning):

After successful completion of an internship in a reputed textile manufacturing or garment manufacturing concern the student will have a complete commercial knowledge on textiles and garments, they will gain knowledge about the latest machineries and equipments.

Internship

Period of supervised training required for qualifying for a profession. It follows a specified number of academic credits or classroom years. To provide a valuable opportunity to gain work experience in a student's chosen field before graduation. A student or a recent graduate undergoing supervised practical training. Since relevant work experience is one of the key qualifications companies look for when comparing candidates for a job or internship, completing several internships during college greatly increases the chances of being selected for a job after graduation. Even though college students learn the knowledge required for succeeding in a specific career through their college courses and curriculum, internships are one of the best ways to develop the required skills necessary to gain the experience required to be successful in the field.

Completing an internship can help a student decide if a particular career is actually the right fit for them, and through an internship, students can establish contacts or even earn college credit while working in a part-time, temporary position. Additionally, in a competitive job market, internships for college students give recent graduates an edge over other potential candidates who do not have any relevant work experience.

WORLD COSTUMES
(Course Code: 15TFDU06MX)

Credit 2+0

Max marks=100
(CFA=100)

OBJECTIVES:

- To impart the knowledge on the costumes of different countries of the world
- To provide a theoretical understanding on different cultural and customary costumes of world nations.

SOL (Specific Objective Learning):

In this paper important costumes and textiles from different selective nations from different Continents will be discussed. After learning this subject the students will gain access to the costumes, designs, stitching principles, embroidery, dyeing and printing works that has been done on the costume. The students will gain knowledge on traditional woven textiles of India and the Traditional embroideries of different states of India. They will even learn about the Traditional costumes of different states of India spread on varied diversity.

UNIT - I

Costumes of European countries – Egypt, Greece, Roman, Sweden, Germany, Poland.

UNIT - II

Costumes of Far Eastern Countries – Japan, Hong Kong , Korea, Srilanka, Pakistan, Malaysia, China, Burma, Thailand & Philippines.

UNIT-III

Costumes of Africa- Mens, Womens, and Children Costumes.

UNIT-IV

Costumes of Asia- India, Bangladesh and Nepal.

UNIT-V

America costumes- Men's, Women's, and Children costumes of different states of America.

REFERENCES :

1. Costumes of India and Pakistan, Das S.N, DB Taraporevala sons & Co, Mumbai 1958.
2. Costumes through the ages lever, Jamession and Schuster, Newyork, 1968.
3. Traditional Indian textiles, Gillow or Barnard, Thames and Hudson, London, 1994.
4. History of Fashion, Anderson Black J, orbis publishing Ltd, USA 1985.
5. Costumes & textiles of Royal India, Ritukumar, Christies Book Ltd, London 1999.

BASIC TEXTILE ECONOMICS
(Course Code: 15TFDU06MY)

Credit 2+0

Max marks=100
(CFA=100)

Objectives:

- To impart knowledge to market mechanism in Economics
- Analyze the environment related to small scale industry and business.
- Develop Management skills through economical study.

UNIT I

Introduction Concepts of Textile Economics, Textile Economics of demand and supply, elasticity of demand, working of textile market mechanism, Theory of Production in textiles short run & long run. Textile environment of business: Introduction to concept of textile business environment and other factor.

UNIT II

Concepts of different types of textile costs and Cost Functions, determination of price and output in perfect and imperfect market conditions, price discrimination. Demand forecasting with reference to different textiles and fashion industries.

UNIT III

Textile industries component of environment: economic, political, legal, social, technological & international Economic systems, economic planning in India, objectives, strategies and evaluation of year plan for domestic and international marketing.

UNIT IV

Textile industrial policy and industrial licensing. New textile economic policies, textile Company regulatory legislations in India, MRTP, FEMA, EXIM in light of liberalization policies. Public sector in India: concepts, philosophy and objectives, performance, problems and constraints, Industrial Sickness, Privatization.

UNIT V

Textile Management: 6Ms of textile industries planning, Organising, Staffing, Leading, Communicating, Controlling. Marketing Management, Trade practices, promotion, Theory of textile business cycles, Concept causes and Measures to control business cycles. Theories of inflation: causes and control of inflation, monetary and fiscal policy. Balance of Payments: concept, causes of disequilibrium and remedial methods

References:

1. R.G. Lipsey : An Introduction to Positive Economics, ELBS, Oxford
2. JP Gould Jr. and E.P. Lazer : Micro-Economic Theory
3. S.Mukherjee, M. Mukherjee & A. Ghose : Microeconomics, Prentice-Hall
4. Sundaram & Black: The International Business Environment; Prentice Hall
5. P. Chidambaram: Business Environment; Vikas Publishing
6. Dutt R and Sundharam KPM: Indian Economy; S. Chand
7. Entrepreneurship and management of Small business study material.

FASHION PSYCHOLOGY AND GROOMING (T)
(Course Code: 15TFDU06MZ)

Credit 2+0

Max marks=100
(CFA=100)

Objectives:

To enable students to: Understand the trends in Clothing behavior Gain an insight on the planning process involved in Clothing selection.

UNIT I

Introduction to Clothing Understanding clothing, Purpose of clothing:- protection, modesty, attraction etc.

UNIT II

Clothing Values, Clothing Culture, men and women clothing and ornamentation, groups, Role and status of clothing. Clothing according to climatic conditions,- Arctic region- African, Asia and Arabs etc.

UNIT III

Modern Clothing-Youth style and fashion, Teddy boy, skins modes, hippies, punks, taste of youth and their life style. Ancient to modern clothing, minis maxis, unisex, fit women, glamorous woman. Casual and formal clothing. Fashion for all, ready to wear fashion, mass marketing of fashion.

UNIT IV

Selection of clothes:-Clothes for children, middle age, adults, Types of clothes according to human figure ,Different materials for different clothes. Colors suitable for different garments. Kids to teenage clothing.

UNIT V

Planning for clothing needs, Clothes for school, Clothes for parties, Clothes for sports, Clothes for resting, Wardrobe Planning, Social and Psychological Aspects of Fashion

Reference:

1. Black A.J. (1985) , ‘ A History of Fashion’ ,USA Orbits Publishing Ltd.
2. Rouse E. (1989), ‘Understanding Fashion’,UK, Blackwell Science.

ELECTIVE PAPERS
WET PROCESSING
(Course Code: 15TFDU04EX)

Credit 2+ 1
Contact Hours: 42

Max. Marks = 100
(CFA = 40 + ESE = 60)

Objectives

- To impart knowledge of textile and garment wet processing
- To introduce students to various chemicals, dyes and auxiliaries used for chemical processing.
- To impart the knowledge of textile coloring and various printing methods to the students.
- To bring an awareness on the industrial techniques of dyeing and printing

SOL (Specific Objective Learning):

After learning this paper the students will gain thorough knowledge in Wet Processing of textile materials. They will be able to classify different finishing processes of textiles, preparatory process and different bleaching process. They will know different dyeing process, dyeing equipments, printing process, laundering process, soap and detergent manufacturing process, Fusing technology and fusing process.

Unit - I

Wet processing- definition- classification- process of wet processing on cotton, silk, wool. Equipments and machineries used for wet processing.

Unit – II

Finishes – definition, need, types. Basic/ routine finishes- singeing, desizing, scouring, bleaching, stiffening, weighting, mercerization, carbonizing, decatizing, sanforizing.

Mechanical finishes- napping, gaging, sueding, emersing, flocking, brushing and shearing, beetling, tentering, calendaring, schrenrising.

Unit – III

Functional finishes- classification- absorbent, antistatic, abrasion resistant, antislip, stain and salt resistant, durable, shrink resistant, flame retardant, water repellent, water proof. Moth proof, anti microbial.

Recent finishes- nano, microencapsulation, plasma.

Unit-IV

Dyeing – Introduction, classification – natural and synthetic. Natural- definition, selection, mordant and mordant techniques. Synthetic- direct, basic, acid, vat, reactive and disperse dyes, sulfur. Methods of dyeing: stock, top, yarn, piece, dope, garment dyeing.

Unit- V

Printing methods – definition - classification – methods – styles- direct- screen, block, roller, rotary, transfer, discharge – white and colored, resist – stencil, dye and tie, batik.

Identification of dyeing and printing defects.

Practicals

- Desizing and Scouring
- Bleaching of cotton Dyeing of yarns with – direct, acid, reactive and vat dyes.
- and wool – Using hydrogen peroxide
- Block printing – direct and reactive dyes.
- Screen printing – direct and reactive dyes.
- Tie and dye – direct dyes.
- Batik – reactive dyes.
- Stain removal of oil, soil, grease, blood and beverages.

References:

1. A.J.Hall “The Standard Hand Book of “Textiles”, Woodhead Publication, 2004
2. Natural dyeing Jackie crooks 978-1-85675-280-0
3. Needles: tufted couplet textile fiber dyes 978-93-80931-82-1
4. Textile chemical processing Jaitendra kumar 8190402558
5. Textiles and Laundry Poonam Sinha
6. Toxicity of Dyes and Intermediates Shenai
7. Dyeing printing and finishing Hust silk 81-8247-007-2
8. J.E. Smith “Textile Processing – Printing, Dyeing, Abhishek Publishing 2003
9. Kate B Broughton, Textile Dyeing”, Rockport publishers, 1996.
10. W.S. Murphy, “Textile Finishing”, Abhishek Publication, 2000.
11. Rosi Robinson, “Creative Batik”, Search Press, 2004
12. Janice Gunner, “Shibori for textile Artists”, Batsford London
13. 1. Textiles – Ninth edition ,Sara J Radolph and Anna L Langford, Prentice hall, New Jersey (2002).
14. Textile processing – J L Smith, Abhishek publications, Chandigarh (2003).
15. Textile Chemistry – Peters R H , Vol I, & II, Textile Institute Manchester (1970)
16. Beginners Guide to fabric dyeing and printing – Stuart & Robinson, Technical books, London (1982).
17. Thickening agents and Emulsion thickenings in textile printing – Herbert Barthm, New Delhi (1994).

FASHION ACCESSORIES DESIGNING- (Practical)
(Course Code: 15TFDU05EX)

Credit 0 + 3

Contact hours: 60

Max.Marks=100

(CFA=60+ESE=40)

Objectives:

- To provide opportunity for skill development in designing accessories.
- To impart knowledge on fashion accessories and creativity.

SOL (Specific Objective Learning):

This paper will enable the students to design fashion accessories for men, women and children independently without any assistance. They will be able to develop and design complex fashion accessories by learning to design different accessories manually and using CAD software. They will be able to coordinate the fashion accessories to the dress style as well as to the purpose for which they design the garment formal or informal.

Unit- I

- Hand bag – any three types
- Hat – any two types

Unit-II

- Bow – Decorative bow and formal bow
- Belt – for boy and girl

Unit- III

- Foot wear – any three types
- Jewellery designing – Teracotta, Quilling jewellery, Antique jewellery, Kundan Jewellery – necklace, ear ring, chain, studs, bangles, anklets and finger rings.

Unit-IV

- Crystal jewellery, Bead jewellery, wooden jewellery
- Purse and pouches – any two types

Unit-V

- Hair band and head bands – any four types
- Watches – any two types

References:

1. “Quick style”, by- Christine Kunzerlman.
2. 1000 Ideas by fashion designers Carolina Cerime
3. 150 Beaded & motifs Kenneth D King
4. 21st Century Jewellery Mr the Le Van
5. Accessories options : Shrugs scaxues stoles
6. Bead Fantasies 2 – More beautiful easy to make jeweler Takako Sanejima
7. Child encyclopedia of fashion accessories -Phyllis Tortora
8. Complete jewelery easy techniques and 25 great projects Mary Helt
9. Necklace the art of collectibles pendants crosses Sautoirs cameos Soraya Feder
10. Accessories options : Shrugs scaxues stoles
11. “Know your Fashion Accessories” by – Celia Stall-meadows, Fair child publication.
12. “ Master piece of Indian Jewellery”, by Jamila Brij Bhusan. Taraporevala- Bombay
13. Fashion Designing, Sumathi G.J, New Age International Pvt. Ltd. Chennai.
14. Understanding Fashion, Elizabeth Rouse, BSP Professional Books, London.
15. Fashion Source Book, Kathryn Mckelvey, Blackwell Science
16. Encyclopedia of fashion details, Patrick John Ireland, Batsford.

HOME TEXTILES- (Practical)
(Course Code: 15TFDU05EX)

Credit 0 + 3

Contact hours: 60

Max.Marks=100

(CFA=60+ESE=40)

Objectives:

- To understand the Home Textiles and Furnishing concepts and production techniques.
- To enhance the knowledge on the types and uses of Home Furnishing to the textile students.

SOL (Specific Objective Learning):

This paper will enable the students to design Home Textiles based on different mapping, of home layout. They will be able to develop, design, and constructs different style of Home textiles. They will be able to coordinate the Home textiles to the Home Layout.

Unit-I

Table Linens- Table cloths, Runners, Placemats and napkins.

Unit-II

Bed Linens- Bed covers, Pillow Covers, Bolsters.

Unit-III

Kitchen Linens- Aprons, Mittens.

Unit- IV

Window Textiles- Curtains, Draperies.

Unit-V

Upholstery- Sofa Covers, Cushion Covers

Reference Books:

1. Carpets : Back to Front, Textile progress, Vol.19, No.3 by – L Cegielka MA, The Textile Inst. Publication
2. Textile Floor coverings by G.H. Crawshaw, Textile Progress, Vol.9, No.2, The Textile Inst. Publisher.
3. Interior Furnishings, Textile Progress, Vol.11, No.1, By Mortimer O. Shea, The Textile Inst. Publication
4. Interior Furnishing by Mortimer O.Shea, Textile Progress, Vol.11, No.1, The Textile Institute, Publication.