

BANGALORE UNIVERSITY

REGULATIONS GOVERNING THE BACHELORS DEGREE COURSE IN

FASHION AND APPAREL DESIGN

BANGALORE UNIVERSITY

REGULATIONS GOVERNING THE BACHELORS DEGREE COURSE IN FASHION AND APPAREL DESIGN

- 1. TITLE OF THE DEGREE: The degree shall be called Bachelor of Science in Fashion & Apparel Design (B.Sc. FAD).
- 2. ELIGIBILITY FOR ADMISSION:
 - a. A candidate seeking admission to first year B.Sc. Degree in Fashion & Apparel Design shall have passed the pre-university examination of pre-university Board of Karnataka or any other examination considered as equivalent with an aggregate of 35% and above marks.
 - b. Candidates with three years Diploma in Textile Technology / Costumes & Fashion Design or any other three years diploma considered as equivalent and recognized by the state / central government shall be eligible for admission to the III Semester of B.Sc. Fashion & Apparel Design course.
- 3. DURATION OF THE DEGREE COURSE: The duration of study for B.Sc. Degree in Fashion & Apparel Design shall be three academic years comprising six semesters.
- 4. MEDIUM OF INSTRUCTION: Medium of instruction and examination in all the optional subjects shall be English.
- 5. ATTTENDANCE: A candidate shall be permitted to appear for the University examination only if he / she puts in attendance as per University regulations.
- 6. DURATION TO COMPLETE THE COURSE: A candidate who fails to complete the course within a period of three years shall complete the same within the six years from the date of joining the course.
- 7. SCHEME OF INSTRUCTION AND EXAMINATION: Appended herewith.
- 8. INTERNAL ASSESSMENT:
 - a. Internal assessment marks shall be based on tests, attendance, assignments, and presentations conducted during each semester.
 - b. The marks of internal assessment for each subject shall be communicated to the University atleast 15 days before the commencement of examination and the Registrar (Evaluation) shall have access to the records of such periodical assessment. It must be published on the notice boards of the colleges for the information of students.
- 9. ASSESSEMENT OF PROJECT WORK: A project shall be undertaken by each candidate after the V Semester under the supervision of a qualified staff and a report

shall be submitted to the University before the commencement of VI Semester examinations. The University shall evaluate the projects for 80 marks and conduct viva-voce for 20 marks.

- 10. MINIMUM FOR A PASS: No candidate shall be declared to have passed the examination unless he/she obtains not less than
 - a. 35% marks in written examination and 40% marks in aggregate of written examination and internal assessment put together.
 - b. 40% marks in practical examination.
 - c. 40% marks in project.
 - A. SUCCESSFUL CANDIDATES SHALL BE CLASSIFIED AS FOLLOWS:
 - a. 60% and above First class
 - b. 50% and above but less than 60%- Second class
 - c. 35% and above but less than 50%- Pass class
 - B. CLASS AND RANK:
 - a. For obtaining class, marks obtained in all the semesters shall be considered
 - b. For ranking, only those candidates who have passed in all the semesters in the first attempt shall be considered.
 - C. CARRYOVER PROVISION: A candidate shall be allowed to carryover the subjects as per the University regulations for regular degree courses.
- 11. REPITITION OF SEMESTER: A candidate is permitted to repeat the semester in the next academic year if he/she has shortage of attendance in that semester.

Sd/-Chairman-BOS **B.Sc. Fashion & Apparel Design**

		Theory				I			
Paper Code	Subject	No of Hrs/ Week	Max Exam Marks	Internal Assessment marks	Duration of Exam	No of Hrs/ Week	Max Exam Marks	Duration of Exam	Total Marks
FAD 101	Language I	4	90	10	3	-	-	-	100
FAD 102	Language II	4	90	10	3	-	-	-	100
FAD 103A	Fiber & Yarn Science	3	60	10	3				100
FAD 103B						3	30	3	100
FAD 104A	Elements of Design and	3	60	10	3				100
FAD 104B	fashion					3	30	3	100
FAD 105A	Basics of Pattern Making &	3	60	10	3				100
FAD 105B	Sewing					3	30	3	100
TOTAL							500		

B.Sc. FASHION & APPAREL DESIGN I SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION

II SEMESTER

SCHEME OF INSTRUCTION AND EXAMINATION

			Theo	ory		Ι	Practicals		
Paper Code	Subject	No of Hrs/Week	Max Exam Marks	Internal Assessment marks	Duration of Exam	No of Hrs/Week	Max Exam Marks	Duration of Exam	Total Marks
FAD 201	Language -I	4	90	10	3	-	-		100
FAD 202	Language -II	4	90	10	3	-	-		100
FAD 203A	Fabric Analysis	3	60	10	3				
FAD 203B						3	30	3	100
FAD 204A	Basics of Garment Construction	3	60	10	3				
FAD 204B	Construction					3	30	3	100
ADL 2S1	Computer Fundamentals	4	100	-	3	-	-	-	100
TOTAL 5								500	

			The	eory			Practicals		
Paper Code	Subject	No of Hrs/Week	Max Exam Marks	Internal Assessment marks	Duration of Exam	No of Hrs/Week	Max Exam Marks	Duration of Exam	Total Marks
FAD 301	Language I	4	90	10	3	-	-	-	100
FAD 302	Language II	4	90	10	3	-	-	-	100
FAD 303A	Fashion Art Design	3	60	10	3				100
FAD 303B						3	30	3	100
FAD 304A	Pattern Making &	3	60	10	3				100
FAD 304B	Clothing Construction					3	30	3	100
FAD 305A	Wet Processing	3	60	10	3				100
FAD 305B						3	30	3	100
	Indian Constitution	4	100	-	3	-	-	-	100
						TO	TAL		600

III SEMESTER

SCHEME OF INSTRUCTION AND EXAMINATION

IV SEMESTER

		Theory				Practical	s		
Paper Code	Subject	No of Hrs/ Week	Max Exam Marks	Internal Assessment marks	Duration of Exam	No of Hrs/Week	Max Exam Marks	Duration of Exam	Total Marks
FAD 401	Language I	4	90	10	3	-	-	-	100
FAD 402	Language II	4	90	10	3	-	-	-	100
FAD 403A	Traditional Textile	3	60	10	3				100
FAD 403B	Art					3	30	3	100
FAD 404A	Historic Costumes	3	60	10	3				100
FAD 404B						3	30	3	100
FAD 405	Entrepreneurship Development	4	90	10	3	-	-	-	100
SESS41	Environmental Studies	4	100	-	3	-	-	-	100
TOTAL								600	

SCHEME OF INSTRUCTION AND EXAMINATION

		Theory				Practica	ls		
Paper Code	Subject	No of Hrs/Week	Max Exam Marks	Internal Assessment marks	Duration of Exam	No of Hrs/Week	Max Exam Marks	Duration of Exam	Total Marks
FAD 501A	Fashion Accessories	3	60	10	3				100
FAD 501B						3	30	3	100
FAD 502A	Garment Surface	3	60	10	3				100
FAD 502B	Ornamentation					3	30	3	100
FAD 503A	Textile Testing	3	60	10	3				
FAD 503B						3	30	3	100
FAD 504A	Apparel Production	3	60	10	3				100
FAD 504B						3	30	3	100
FAD 505A	Apparel Computer	3	60	10	3				100
FAD 505B	Aided Design					3	30	3	100
FAD 506	Fashion Business Management	4	90	10	3	-	-	-	100
							ΤΟΤΑ	4L	600

V SEMESTER

SCHEME OF INSTRUCTION AND EXAMINATION

VI SEMESTER

SCHEME OF INSTRUCTION AND EXAMINATION

			The	eory	-		Practicals	-	
Paper Code	Subject	No of Hrs/Week	Max Exam Marks	Internal Assessment marks	Duration of Exam	No of Hrs/Week	Max Exam Marks	Duration of Exam	Total Marks
FAD 601A	Apparel Quality	3	60	10	3				100
FAD 601B	Assurance					3	30	3	100
FAD 602A	Portfolio Presentation	3	60	10	3				100
FAD 602B		5	00	10	5	3	30	3	100
FAD 603	Non Woven & Technical Textiles	4	90	10	3	-	-	-	100
FAD 604	Apparel Export Documentation	4	90	10	3				100
FAD 605	Shop Floor Management	4	90	10	3				100
FAD 606	Project		80+20	(80 ma project evaluat 20 mar viva vo	tion & ks for				100
							ΤΟΤΑ	AL	600

I SEMESTER FIBRE AND YARN SCIENCE

Objectives

Theory **FAD103A**

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

Unit 1

Introduction to textile fibers-Definition, Sources, Classification and properties of textile fibres

Unit 2 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.

Unit 3

Cellulose fibers-Cotton, flax, kapok, hemp, ramie- Properties and end uses Protein fibers-Silk, Wool – Properties and end uses

Unit 4

Regenerated cellulose fibers- Viscose Rayon, Acetate Rayon, Tencel- properties and end uses.

Unit 5

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

Unit 6

Spinning process for staple fibers (cotton and wool), Ring spinning and rotar spinning, carded and combed yarns, woolen and worsted yarns

Unit 7

Texturisation - types (simplex and complex yarns) and uses. Blends- types, uses of blended fabrics.

Unit 8

Sewing threads- Types and properties.

References

- E.P.G. Gohl, L. D. Velensky, "Textile Science" CBS Publishers and Distributors, 1. 2003
- A.J. Hall. "The standard hand book of Textiles", Wood head Publishing 8th edition 2 2004

Total no. of hours - 48

6 hrs

4 hrs

4 hrs

8 hrs

8 hrs

10 hrs

6 hrs

- 3. P.V. Vidyasagar, "Hand Book of Textiles", A. Mittal Publications, 2005
- 4. Sara J. Kadolph, "Textiles", Prentice Hall, 10th edition 2007
- 5. J. Gordon Cook, "Hand Book of Textile Fibres", Vol- II Man Made Fibers, Wood Head Publishing.
- 6. Bernard P. Corbman, "Textiles Fiber to Fabric" McGrawhill Publications, 6th Edition 1983
- 7. Gilbert R. Merrill, "Cotton Opening and Picking" Universal Publishing Corporation, 1999
- 8. Gilbert R. Merrill, "Cotton Combing" Universal Publishing Corporation, 1999
- 9. Gilbert R. Merrill, "Cotton Ring Spinning" Universal Publishing Corporation, 1999
- 10. Gilbert R. Merrill, "Cotton Drawing and Roving" Universal Publishing Corporation, 1999
- 11. S.P. Mishra, "A text Book of Fibre Science & Technology," New Age International Ltd.

FIBRE AND YARN SCIENCE

Practicals FAD103B

16 practicals of 3 hrs each

7

3

2

4

Unit 1

Identification of Textile fibres- Microscopic appearance (longitudinal and cross-sectional) and burning tests.

Solubility tests for fibres- Cellulosic, Protein and Synthetic.

Unit	2
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Visual identification of spun, filament, cords, cable and fancy yarns.

Unit 3

Fibre blend analysis

Unit 4

Line sketches of conventional spinning - Cotton and wool

ELEMENTS OF DESIGN AND FASHION

Objectives

Theory FAD: 104A

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

Unit: 1

Design: Elements and principles of Design-Definition, importance and application.

Unit 2

Colour: Prang colours, Pantone colours, colour wheel, values scale, grey scale, colour schemes, its importance and application.

Unit: 3

Design and Textile: Various types of textile design and their features, function and application-Woven, Knitted and printed design.

Unit: 4

Design and Fashion: Textile and garment designers and their importance and activities. Professional practice of design.

Unit: 5

Elements of Fashion process: Fashion origin, evolution- with examples from different eras till French revolution. Fashion cycles. Fashion theories and terminologies.

Unit: 6

Elements of Fashion illustration: Introduction to Fashion illustration-History, importance, artists and illustrators of national and international repute.

Unit 7

Art appreciation: study of art history from 90's till date. Study of different artists and their technique

References:

- Piper, David, "The Joy of Art", Mitchell Beazley Publishers, 1984. 1.
- 2 Stanyer, Peter, "The Complete Book of Drawing Techniques" - Arcturus Publishing Limited for Book Mart Limited 2003
- 3. Edith Tomory, "A History of Fine Arts in India and the West" - Orient Longman Publishers 1982, reprinted 1999.
- 4 Hideaki Chijiiwa, Colour harmony- "A Guide to creative colour Combination".
- Helln Goworek, "Drawing Course a step by step Guide" Blackwell Publications. 5.
- HW. Janson & Anthony Janson, "History of art" the western tradition, revised 6th 6. edition, Upper saddle river
- Roy C. Craven, "Indian Art", Thames & Hudson. 7.

Total No. of Hours: 48

6 Hrs

6 Hrs

6 Hrs

8 Hrs

8 Hrs

6 Hrs

8 Hrs

ELEMENTS OF DESIGN AND FASHION

FAD 104 B 16 practical of 3 Hrs each
Unit: 1 02 Introduction to art media and its applications. Free hand sketching technique, cross-hatching, criss cross, scribbling, stripling
Unit: 2 04 Perspective drawing and rendering objects using different art media- wet and dry of objects, natural and human figures. Effect of light.
Unit: 3 O2 Elements and principles of design-Colour schemes, colour wheel grey scale, value scale.
Unit: 4 02 Drawing and colouring of Motifs –Natural, Stylised, Geometric and Abstract.
Unit: 5 02 Design manipulation Enlarging, reduction and various types of design layouts.
Unit: 6 02 Colour rendering of fabric swatches-Woven, knitted, and printed.
Unit: 7 02 Fashion illustration: Basic sketching of 6,8,10 head figures –stick, block and flesh figure of child, female and male.

BASICS OF PATTERN MAKING & SEWING

Theory FAD 105A

Practicals

Objectives:

To impart skills in basic techniques of pattern making

To provide the knowledge of different machines used for sewing.

Unit 1

Introduction to pattern making & clothing construction. Terminology- notches, grain, grain line, construction lines, perforations, center front line, center back line, bias, true bias, bust line, waist line, seat line, seam, seam allowance, jog seams, darts, dart points, direction of dart excess, dart shape at pattern edge.

Unit 2

Tools for pattern making and clothing construction- measuring tools, marking tools, cutting tools, sewing tools, pressing tools, different weights of paper, different types of needles, different types of threads,

12

8 hrs

Total no of Hours: 48

Unit 3

Figure types & figure analysis (leg types, arm types, shoulders, abdomen, bust back relationship, waist hip relationship and stance). Body garment relationship. Standardization, importance of body measurements, sizing-zero to plus size.

Unit 4

Pattern Making - drafting, draping, flat pattern techniques - principles, advantages & disadvantages. Flat pattern techniques- pivot, slash & spread method

Unit 5

Commercial patterns - definition, importance, advantages, disadvantages and understanding of their sizes, interpretation of the commercial patterns

Unit 6

Introduction to sewing machines, history of sewing machines, Single needle machine, Double needle machine - overlock machine, button hole machine, button fixing machine - their suitability and function, commonly use and special attachments used in sewing machine.

References

- 1. Helen J Armstrong, Pattern Making for Fashion Design, Prentice Hall
- 2. Harold Carr & Barbara Latham, The Technology of Clothing Manufacture, Oxford Pub., USA, 1994
- 3. Gerry Cooklin, Introduction to Clothing Manufacture, Blackwell Science, UK, 1991
- 4. Metric Pattern cutting & Grading by Winfred Aldrich.

BASICS OF PATTERN MAKING & SEWING

Practical **FAD 105 B**

Unit 1

Sewing machine- different kinds-functions-uses-attachment-practice on paper, stitching on fabric (straight, curves & corners)

Unit 2

Body ideals- size charts- infant, children, men, women (standard measurement)

Unit 3

Drafting of master slopers using standard measurement-Infant (1 age group), Children- pre schooler 2-6 years (1 age group), Women (medium size), Men (medium size)

Unit 4

Preparation of muslin blocks

Unit 5

Flat pattern techniques and its application- pivot & slash spread (single dart series, two' double dart series, radiating, graduating, parallel and conversion of darts to tucks, pleats, gathers, seams)

16 practicals of 3 hrs each

6 hrs

10 hrs

8 hrs

8 hrs

02

02

06

04

II SEMESTER FABRIC ANALYSIS

Theory **FAD203 A**

Objectives:

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

Unit 1

Fabric making- Introduction, basics of different methods of fabric formation (weaving, knitting and non woven).

Unit 2

Loom- Parts and functions of a loom (primary and secondary motions), warping and pirn winding, Sizing.

Unit 3

Types of looms- Handloom/Power loom, Shuttle loom/ Shuttle less looms (Projectile, Rapier, Water jet and Air jet looms.

General characteristics of woven fabrics- Yarn, count of yarn and fabric, grain, balance, selvedge and its types.

Unit 4

Fabric design- Design, draft, peg plan and denting plan.

Unit 5

Elementary weaves- glossary and characteristics of 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.

Unit 6

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- true crepe, balanced and warp crepe and uses. Pile weave- mechanism, types- warp pile, weft pile, corduroy and uses. Leno- lappet (extra set of warp), swivel (extra set of weft)

Unit 7

Fabrics- Handloom, Power loom, Khadi - History, importance, types of fibers used and application.

Total no. of hours - 48

4 hrs

4 hrs

6 hrs

4 hrs

6 hrs

8 hrs

Unit 8

6 hrs

Knitting- mechanism, characteristics, types and uses. Differences between knitted and woven.

Unit 9

6 hrs

Other methods of fabric making- Felts, fur, knotting, braiding- construction methods and uses.

References

- 1. Ormerod A, "Modern Preparation and Weaving machinery", Woodhead Publication, 2004
- 2. W.S. Murphy, "Textile Weaving & Design", Abhishek Publication, 2003
- 3. J. Gordon Cook, Hand Book of textiles Fibers Vol I & II", Woodhead Publication
- 4. Amjden C.A "Navaho Weaving Its techniques and History", Abhishek Publication.
- 5. Z.J. Grosicki, "Watson's Textile Design & Colour, 7th Edition, Woodhead Publication
- 6. W.S. Murphy, "Handbook of weaving" Abhishek Publication
- 7. Deborah Chandler, "Learning to weave", Interweave Press, 1995
- 8. J.J. Pizzuto, "Fabric Science" 6th Edition, Fairchild Publications

FABRIC ANALYSIS

16 practicals of 3hours each

Unit-1

Practicals FAD 203 B

Identification of weaves- Collection of fabrics for basic weaves- sample, uses with checkerboard design.

Figured weaves- samples and uses.

Unit-2

Analysis of fabrics- design, draft, denting and lifting plan for plain, twill and satin, honeycomb, huck-a-back, mock leno.

Unit-3

Knitted fabrics- diagrammatic representation for weft knit- single jersey, interlock and rib

Unit-4

Collection of various types of fabrics based on application- apparel, upholstery and furnishings.

4

6

BASICS OF GARMENT CONSTRUCTION

Objectives:

FAD 204 A

Theory

To introduce the concept of garment making. To impart knowledge and skills required for garment components.

Unit 1

Sewing techniques- Methods of machine stitching and its importance, Basic hand stitchesbasting, running, tacking, hand overcast, button hole, hemming stitches- plain & blind hemming,

Unit 2

Seam & seam finishes- Definition, terminologies-seam, seam line, seam allowance, seam length, seam width, types of seams and seam finishes and their application.

Unit 3

Fullness- darts, dart equivalent, tucks, pleats, gathers & style lines – definition, terms, types and its applications

Unit 4

Yokes-Definitions, purpose, types-with fullness & without fullness. Pocket-patch, welt in seam.

Unit 5

Sleeves- Definition, terms, classification, types-gathered, bell, kimono, raglan & construction.

Unit 6

Collars - Definition, terms, classification, types -peterpan, turtle neck, shawl, Chinese, shirt & its construction.

Unit 7

Skirts – Basic-flared, circular, gathered, pleated, basic waist band application.

Unit 8

Fasteners- Definition, types. Finishes-Edge, piping, facing (bias facing, shaped facing). Plackets- definition, types

References

1. Bane Allyne, Flat pattern design, M C Graw-Hill Pub. USA

2. Winfred Aldrich, "Metric Pattern Cutting", Black Well Science, UK

3. Helen J. Armstrong, "Pattern making for fashion design" Prentice Hall

5 hrs

6 hrs

6 hrs

6 hrs

6 hrs

6 hrs

8 hrs

5 hrs

Total no of hours: 48

BASICS OF GARMENT CONSTRUCTION

Practicals

FAD 204 B

16 practicals of 3 hrs each

Unit 1 2 Sewing techniques - Basic hand stitches- basting, running, tacking, hand overcast, button hole, hemming stitches - plain & blind hemming, slip stitch, tailor's tack. Machine sewing techniques- edge stitching, top stitching, shirring, and gathering Unit 2 2 Seam & seam finishes- Plain, flat fell, French, turned & stitched, lapped, double top, pinked, over lock, hand overcast & pinked and stitched Unit 3 2 Fullness- darts, tucks, pleats, gathers, style lines Unit 4 2 Yokes-With and without fullness 2 Unit 5 Sleeves- plain, gathered, raglan, kimono Unit 6 2 Collars- peter pan, turtle neck, Chinese, shawl, shirt Unit 7 2 Fasteners- press buttons, hook & eye, shirt button & button holes & zips Unit 8 2 Finishes- neckline finishes- facing, shaped facing and piping/binding.

Placket finishing- continuous/ one piece, bound/ two piece placket

III SEMESTER FASHION ART DESIGN

Total teaching hrs - 48

Objectives

FAD 303 A

Theory

To help students understand the fundamentals and principles of figure design. To understand different illustration techniques and dynamics of figure sketching.

Unit: 1

Design development: Motif, pattern and design manipulation, -inspiration from nature and history.

Unit: 2

Fashion design: Definition, understanding garment design, its features functions and application in various categories of dress-based on Age and activity. Type- Casual, Formal and Ethnic.

Unit: 3

Garment details: Features and function and application. Different types of collor, sleeve, pockets, cuff, yoke and their visual impact on various figure types, to create optical illusion.

Unit: 4

Flat sketch: Its importance and application. Drawing flat sketches and specs. Designer sketching. Ways of layout, flats for kids, women and men's wear.

Unit: 5

Fashion, Dress and Accessories: Elements and principles of design in dress, accessories and fashion. Its importance and application.

Unit: 6

Designers and artists of national and international repute and their creation. National designers-Ritu Beri, Rohit Bal, Ritu Kumar, JJ Valya, Manoviraj Khosla, International Designers-Gucci, Tommy Hilfiger, Donna Karan, Varsachaes.

Unit:7

Fashion clothing psychology: Pattern recognition and perception, Gest alt factors, subjective factors in selection of clothing. Personality, attitude and motivation.

References

- 1. "Signs and symbols their design and meaning"- Translated by- Andrew Bluhm, Studio Editions
- "Fashion Design and illustration for women, Men and children" by Patrick John Ireland 2.
- "Fashion sketch book"4th edition by Bina Abling, Om Publications. 3.
- "Fashion Design Drawing course", by Caroline Tathan, Julian Seaman, Thames & 4 Hudson.
- "Psychology of clothing" by Bush. G, London 1990 5.

6 hrs

8 hrs

6 hrs

6 hrs

8 hrs

6 Hrs

8 Hrs

FASHION ART DESIGN

Practicals16 practical of 3 hrs. eachFAD 303 B16
Unit 1 2 Basic human proportions, Anatomy and model drawing-8, 10, 12 head theory- Straight, slash, motion posture.
Unit: 22Body figures and features-Hair styling, eye, face, arm, legs. (4 each)
Unit 33Fabric rendering- woven- (2 swatches), on croqui (2 Nos.).5Fabric rendering- Knits- (2 swatches), on croqui (2 Nos.).5Fabric rendering- printed- (2 swatches), on croqui (2 Nos.)5
Unit 43Garment details- collars, cuffs, sleeves, yokes, necklines, pockets (3 each)Style manipulation Illustrations of skirt, trouser, gowns, frocks, shirt, jackets.
Unit: 52Figure stylization- reducing of figure from 8 head to 6 head and elongation ofFigure from 8 head to 10 head, 12 head (2 each).
Unit: 62Figure foreshortening with 3D- effect (2 each)2Figure composition –Theme based (2 each).2
Unit 72Sketching – folds and curves of different fabric drapes.
PATTERN MAKING & CLOTHING CONSTRUCTION

Theory

Total no of hours: 48

FAD 304 A

Objectives

To introduce the garment constructional particulars.

To familiarize students with clothing construction for different age groups

Unit 1

8 hrs Definition of layout, importance, principles, types of layout, importance of fabric estimation, advantages, methods of estimating material requirement for garment- easy method & formula

method of estimation

Unit 2

Handling special fabric-factors for consideration while making patterns & garment construction using special fabrics-stretch fabrics, knit, checks, plaids, velvet, leather, fur & lace

19

Intimate garments- Introduction, materials used & types of fitting for men's innerwear briefs & trunk. Women's innerwear brassier & panties.
Unit 54 hrsFitting- principles of fitting, standards for a good fit, e-fitting
Unit 6 6 hrs Pattern alteration techniques- pivot, slash & seam method-length- width- front-back-sleeve- shirt-skirt-trousers
Unit 74 hrsGrading — definition, principles, types & importance
 References 1. Bane Allyne, Flat Pattern Design, McGraw Hill pub., USA 2. Winfred Aldrich, Metric Pattern Cutting, Blackwell Science, UK. 3. Patric Taylor et.al., Grading for the Fashion Industry, Stanley Thomas Ltd., 1990 4. Helen J Armstrong, The Art of Fashion Draping, Fairchild's pub., 2003
PATTERN MAKING & CLOTHING CONSTRUCTION
PATTERN MAKING & CLOTHING CONSTRUCTION Practicals 16 practicals of 3 hrs each
PATTERN MAKING & CLOTHING CONSTRUCTION Practicals 16 practicals of 3 hrs each FAD 304 B Unit 1 6 Designing & construction of garments with style features using drafting, flat pattern
PATTERN MAKING & CLOTHING CONSTRUCTION Practicals 16 practicals of 3 hrs each FAD 304 B 6 Unit 1 6 Designing & construction of garments with style features using drafting, flat pattern technique- infant jabla, waistline frock for girls and bush shirt for boys 3 Unit 2 3 Designing & construction of garments with style features, women's wear using drafting, flat
PATTERN MAKING & CLOTHING CONSTRUCTION Practicals 16 practicals of 3 hrs each FAD 304 B 6 Unit 1 6 Designing & construction of garments with style features using drafting, flat pattern technique- infant jabla, waistline frock for girls and bush shirt for boys J Unit 2 3 Designing & construction of garments with style features, women's wear using drafting, flat pattern technique-Casual wear- Kameez, Salwar/chudidhar. J Unit 3 2

Draping- definition, terminology, principles of draping. Dress form- preparation & uses, measurement & tools used for draping, basic draping techniques- front, back, skirt front, skirt

Interlining-interfacng- materials, types, properties, applications.

back. Dresses- bias, cowl & princess line.

4 hrs

8 hrs

8 hrs

Unit 5 Grading of patterns

Unit 3

Unit 4

Unit 5

	10
Dyeing- Introduction, classification and application of dyes, direct, basic, acid, vat	, reactive
and disperse dyes. Methods of dyeing: stock, yarn, piece and union.	

Unit 4

Unit 5

Printing methods- block, screen, roller, styles- direct, resist, discharge and transfer.

After treatments for dyed and printed goods- washing, steaming and drying.

Unit 6 Finishes- definition, types.

Basic/routine- Tentering, carbonizing, decatising, sanforising, weighting. Functional/special-waterproof, soil repellent, antimicrobial, enzymatic, fire proof, calendering

Unit 7

Garment processing and finishing. Garment dyeing, types of washing machines, centrifuge and drying.

Unit 8

Care of fabrics- Principles of laundering, Stain removal, various solvents used and different methods of washing, application of friction, light pressure, suction and tumble wash, soaps and detergents.

References

- 1. A.J. Hall "The Standard Hand Book of Textiles", Woodhead Publication, 2004
- 2. J.E. Smith "Textile Processing Printing, Dyeing, Abhishek Publishing, 2003
- 3. Kate Broughton, Textile Dyeing", Rockport publishers, 1996
- W.S. Murphy, "Textile Finishing", Abhishek Publication,2000
 Rosi Robinson, "Creative Batik", Search Press, 2004
- 6. Janice Gunner, "Shibori for textile Artists", Batsford London

WET PROCESSING

To impart knowledge of textile and garment wet processing To introduce students to various chemicals, dyes and auxiliaries used for chemical processing

Unit 1

Theory **FAD 305A**

Objectives

Introduction to wet processing, sequence of wet processing operations for cotton, silk and wool. Equipments and machineries used for wet processing.

Unit 2

Preparatory processes: singeing, scouring, degumming, bleaching and mercerization

Unit 3

8 hrs

6 hrs

6 hrs

21

Total no. of hours-48

4 hrs

6 hrs

8 hrs

6 hrs

WET PROCESSING

Practicals	
FAD 305 B	16 practical of 3hrs each
Unit 1 Desizing and Scouring	2
Unit 2 Bleaching of cotton and wool- Using hydrogen peroxide	3
Unit 3 Dyeing of yarns with - direct, acid, reactive and vat dyes.	6
Unit 4 Block printing-direct and reactive dyes Screen printing- direct and reactive dyes Tie and dye- direct dyes Batik- reactive dyes	4
Unit 5 Stain removal of oil, soil, grease, blood and beverages.	1

IV SEMESTER TRADITIONAL TEXTILE ART

Theory FAD 403 A

Unit 1 Introduction to traditional textile art.

Unit 2

Study of historical designs of different countries and their influence on textiles-Persian, Mughal, Egyptian, Chinese, Japanese and Roman

Unit 3

An overview on influence of religion, art, trade, royalty and culture in Indian textiles.

Unit 4

Symbolic motifs - Paisley, creeping wine, lotus, tree of life, fish, tortoise, elephant, conch, colours, peepal leaf, protective elements, temple motif, lion, goose, peacock, swan, geometric motifs, god and goddesses, etc.

Unit 5

Traditional textiles of India- types and uniqueness Woven- Brocades of Banaras, Baluchuri, Chanderi, Tanchoi, Kanjivaram, himru, amru, mashrus and Dacca muslins. Dyed- Tie & dye, ikat, double ikat, bandhini Printed- block printed fabrics Applied- Dyed and Painted textiles (Kalamkari, Madhubani, Wali)

Unit 6

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

Unit 7

Development of design- Motif, design, pattern and repeats- drop repeat (full drop, 1/4, 1/2, 2/3, 3/4th drop), brick repeat, mirror repeat (vertical, horizontal, vertical and horizontal). Combination of different motifs in a pattern, pattern arrangements- Bases- ogee leaf base, diagonal base, square base, vertical, horizontal, counter change and borders.

Unit 8

Repeats emphasizing colour theory, composition and elements of art and principles of design in relation to traditional textiles.

8 hrs

5 hrs

8 hrs

8 hrs

4 hrs

3 hrs

8 hrs

4 hrs

Total no. of hours- 48

References

- 1. Z.J. Grosicki, "Watson's Textile Design & Colour, 7th Edition," Woodhead publishing Ltd, 2004
- 2. Susanne Hahn, "A Complete Guide to Silk Painting", Search Press, 1995
- 3. Kazz Ball & Valerie Janitch, "Hand Painted Textiles", A. David & Charles Craft Book 1991
- 4. John Gillow & Nicholas Bernad, "Traditional Indian Textiles". Thames & Hudson, 1993
- 5. Martand Singh, "Saris of India- Bihar & West Bengal", Wiley Eastern Ltd. 1993
- 6. Rta Kapur chishti & Amba Sanyal, "Saris of India -Madhya Pradesh," Wiley Eastern Ltd,1989
- 7. Madhu Priya, " An innovative Collection of Indian Textile designs," Honesty Publishers & Distributors
- 8. Satheesan, "Innova-Indian Ethnic designs", Honesty Publishers & Distributors, 2004
- 9. Lebeau Dirand & Corbett, "Fabrics The decorative Art of Textiles," Thames & Hudson, 2004

TRADITIONAL TEXTILE ART

Practicals FAD 403 B

16 practicals of 3hrs each

Unit 1 Tools and equipments used for traditional textile design- dyeing, printing, painting.	1
Unit 2 Design-Structural and Decorative, Development of design using element of art and princip of design for textile materials.	3 ples
Unit 3 Design organization emphasizing repeats- drop, block, brick, mirror and its variations.	4
Unit 4 Saree designing- border, all over and pallu.	4
Unit 5 Adaptation of traditional designs to present trends in apparel. (Men, Women).	3
Unit 6 Folio Presentation of various woven, applied, dyed and printed textiles- 4 samples from eatype and end use.	1 ach

HISTORIC COSTUMES

Total teaching hrs - 48 hrs

To acquaint students with different types of costumes. To enhance the students' knowledge regarding accessories and Jewellery of d	ifferent eras.
Unit: 1 Introduction to origin & functions of clothing. Indus Valley civilization, Vedic ag	6 hrs ge
Unit: 2 Costumes of the world – Egyptian, Roman, Greek, Japanese, American, French. Costume and fashion of different eras- Victorian to II world war	10 hrs
Unit: 3 Middle Ages-Mauryan, Guptas, Satavahanas, Kushans.	10 hrs
Unit: 4 Mughal Influence	6 hrs
Unit: 5 Influence of change in costumes – Women and Men at war, between war and post Equality between men & women, sexual revolution, French revolution.	8 hrs t war.
Unit: 6 Costumes of the different regions in India.	8 hrs
References	

- "Traditional Indian costumes & textiles", by Dr. Parul Bhatnagar, Abhishek Publication. 1.
- "The Costumes and textiles of India", by Jamila Brij Bhusan, Taraporevala- Bombay. "Master piece of Indian jewellery", by Jamila Brij Bhusan, Taraporevala- Bombay 2.
- 3.
- "A history of Fashion in the 20th Century", by Konemann 4.
- "Survey of historical costumes, A History of western dress", by- Phyllis Tortora, Keith 5. Eubank, Fairchild Publication
- "Traditional Indian Textiles", by- John Gillow, Necholas Barnard, Thames & Hudson 6.

HISTORIC COSTUMES

16 practical of 3 hrs. each

Practicals FAD 404 B Unit: 1

Sketching costumes and accessories for men and women for the following; Indus Valley civilization and Vedic age

Unit: 2

Theory FAD 404 A Objectives

Sketching costumes and accessories for men & women for the following: Egyptian, Roman, Greek, Japanese, American

3

Unit: 3

Sketching costumes and accessories for men & women for the following: Mauryan, Kushan, Gupta, Mughal

Unit: 4

Sketching costumes and accessories for men and women for the following - regional costumes of India – East, West, North & South (Two each)

ENTREPRENEURSHIP DEVELOPMENT

FAD 405

Objectives

Theory

To develop entrepreneurship skills among the students To familiarize the students with the process and procedure of setting up new enterprises.

Unit-1

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-2

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

Unit -3

Business planning- Starting a new venture related to apparel industry, essentials of a successful centre.

Unit-4

Location & plant layout-factors influencing plant location, building, structure, lighting, ventilation, material handling, availability of labour, material management and transportation.

Unit -5

Industrial sickness and remedies, tax planning, VAT, Patent Rules, Factory Act, Minimum wages, knowledge of exemptions & deductions

Unit-6

Environmental considerations and social responsibilities

References

- 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. Harrell.W. For Entrepreneurs only, Career Publishing.
- 5. Jain G R & Gupta D, New Initiatives in Entrepreneurship Education & Training

10 hrs

10 hrs

Total No. of Hours 64

16 hrs

10 hrs

14 hrs

4 hrs

V SEMESTER FASHION ACCESSORIES

Theory	
FAD 501	A

Total teaching hrs - 48 hrs

Objectives To impart knowledge on fashion accessories and creativity. To provide opportunity for skill development in designing accessories.	
Unit 1 Introduction to Fashion accessories- Definition, History, Classification.	4 hrs
Unit 2 Accessories with garments – Traditional & Contemporary styles Types of accessories – head wear/head gear, handbags, gloves, hats, scarves, ties, foot wear-shoes/sandals/slip ons.	8 hrs bows, belts,
Unit 3 Material & Process-Design development, material, sourcing, production.	8 hrs
Unit 4 Jewellery design – Definition, types – gold, silver, terracotta, Menakari, Kun Jewellery, platinum, zardosi, swaroski, junk, bridge etc.	8 hrs dan, Thevva
Unit 5 Traditional Indian jewellery – Temple, traditional, Mughal, Contemporary jewelle	8 hrs ry
Unit 6 Gems – Introduction to gemology, Types of gems & its classification Qualities of gems & healing power of gems	6 hrs
Unit 7 New trends & marketing of accessories & Jewellery.	6 hrs
References:	
1. "Quick style", by- Christine Kunzerlman.	

- 2. "Know your Fashion Accessories" by- Celia Stall-meadows, Fair child publication.
- 3. "Master piece of Indian jewellery", by- Jamila Brij Bhusan, Taraporevala- Bombay

FASHION ACCESSORIES

16 practical of 3 hrs each

 FAD 501 B
 4

 Unit: 1
 4

 Sketching & rendering of accessories – headgear, footwear, handbags, ties, belt, gloves, Hats.
 2

 Unit: 2
 2

 Sketching & rendering of jewellery – ear wear, nose wear, hand wear, neck wear, arm wear, finger ring, anklet etc
 2

 Unit: 3 : Sketching of Accessories – Women, Men, Children (on croquie)
 4

 Creation of accessories – Theme based – headgear, earring, hand wear, neck wear, finger wear, anklet, waist wear, footwear.
 4

Unit: 5 : Folio on Accessories – Fiber, thread, buttons, wood, leather

GARMENT SURFACE ORNAMENTATION

Theory FAD 502 A

Practicals

Total teaching hrs – 48 hrs

Objectives

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

Unit: 1 : Introduction to Traditional embroideries

Unit: 2

Traditional Indian embroidery- History, types of embroidery of different states of India – Kutch, Kathiwar, Sindh, Pulkari, Kantha, Kasuthi, Chamba rumal, Gold & Silver embroidery, Zardosi, Chikankari, Kashida - Material, motifs, colour, stitches, technique, relevance

Unit: 3

10 hrs

8 hrs

4 hrs

12 hrs

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

Unit: 4 : Patch work, Applique, Quilting- Introduction, tools, material & techniques. 6 hrs

Unit: 5

Crochet - Introduction, tools, material, techniques and types

Knitting - Basic, Texture, Rib, Diagonal, Lace pattern, Cable pattern, Cross, Knotted

Unit: 6 : Special techniques-Braiding, Hooking, Smocking, Bead & Sequins. 8 hrs

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

40.1

GARMENT SURFACE ORNAMENTATION

16 practical of 3 hrs. each

Practicals FAD 502 B

3 Unit 1 Embroidery – basic embroidery stitch – Straight stitch-Stem, Back, feature stitch; Flat stitch-Satin, Cross; Loop stitch - Herring Bone, Feather stitch; Knotted stitch-French knot, Bullion Knot

Unit 2 : Knitting – Basic- Pearl, Knit, Garter, Stocking, Rib	5
Unit 3 : Crochet – Single & Double	2

Unit 4: Applique, Quilting, Patch work, Smocking, Braiding, Hooking, Lace and Ribbon work. 2

Unit: 5

Traditional embroidery – Kutch, Kathiawar, Kasuthi, Chikankari, Kantha, Kashida.Pulkari, tribal embroidery

TEXTILE TESTING

Theory

FAD 503A

Unit 1

Introduction to textile testing, objectives of testing, Selection of samples for testing- factors to be governed- fiber sampling, yarn sampling, fabric sampling methods, Terminologies

Unit 2

Moisture relations- Regain, moisture content, humidity, standard atmosphere. Wet and dry hygrometer, factors affecting regain of textile materials, effects of regain on fiber properties.

Unit 3

Fiber testing- measurement of fiber length, comb sorter, fibro graph, measurement of fiber fineness- air flow instruments, measurement of maturity of cotton.

Unit 4

Yarn testing- yarn count, Yarn twist, twist direction, amount of twist, effects of twist on fabric properties, measurement of twist.

Yarn evenness- causes of irregularity, effects of irregularity, measurement of irregularity.

Unit 5

Fabric testing- fabric dimensions- length, width, thickness, determination of fabric weight, cover factor, air permeability, stiffness, drape, crease resistance, abrasion resistance, pilling.

6 hrs

6 hrs

8 hrs

10 hrs

6 hrs

Total no. of hours- 48

Unit 6

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

Unit 7

Tensile testing of textiles- Terminology and definition- load, elongation, stress, strain, yield point, work of rupture, elastic recovery. Tensile strength, Tear strength and Bursting strength

References

Practicals

- J.E .Booth, "Principles of Textile Testing," CBS Publishers and Distributors, 1996 1.
- B.P. Saville, "Physical testing of Textiles", Woodhead Publishing Ltd. 1999 2.
- Pradeep V. Mehta, "Managing Quality in Apparel Industry," New Age 3. international Ltd.
- J.N. Mandal, D.G. Divshikar," A Guide to Geo Textiles Testing," New Age 4. International Ltd
- Arindam Basu, Textile Testing, SITRA Publications. 5.

TEXTILE TESTING

FAD 503 B	16 practicals of 3hrs each
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	2 l count, cover factor.
Unit 4 Evaluation of fabric properties: bending, tensile strength, tear spilling.	6 strength, crease recovery,
Unit 5 Determination of colour fastness- washing, sunlight and rubbin	ng. 2

30

4 hrs

APPAREL PRODUCTION

FAD 504 A

Objectives

Theory

To introduce the students to various departments of an apparel industry To impart skills in apparel production

Unit 1:

Introduction to Apparel production

Unit 2:

Sampling department- importance of sampling department, objectives, types of sample- size set, fit sample, prototype sample, production sample

Unit 3:

Cutting department: Machineries, fabric laying, marker preparation, sorting, numbering & bundling, Fusing department- methods of fusing, fusing machines

Unit 4:

Production department: selection of production system- progressive bundle system, unit production system, modular manufacturing, piece work. Production planning

Unit 5:

Finishing & pressing department, Trimming department, packing department

Unit 6:

Industrial Engineering - Method study & Work study, Ergonomics, Standard time calculation, Balancing

Unit 7:

Apparel accessories & components - fasteners, labels, support materials, decorative trims, tapes & packing materials

References

- 1. Chutler A J, Introduction to clothing Production Management, Blackwell Science, UK, 1998
- 2. Harold Carr & Barbara Latham, The Technology of Clothing Manufacture, Oxford Pub., USA, 1994
- 3. Rajesh Bheda, Managing productivity in the Apparel Industry, CBS pub., New Delhi, 2003
- 4. Ruth E C, Apparel Manufacturing & Sewn Product Analysis

6 hrs

8 hrs

6 hrs

Total No. of Hrs: 48

4 hrs

6 hrs

10 hrs

APPAREL PRODUCTION

Practicals16 Practical of 31FAD 504 B16	ırs each
Unit 1: Analysis of spec sheet	2
Unit 2: Stitching of executive suit- Skirt and jacket using block including consumption &	4 calculation
Unit 3: Stitching of formal shirt using block including consumption & calculation	n 4
Unit 4: Stitching of trouser using block including consumption & calculation	4
Unit 5: Folio on all accessories & components	2

APPAREL COMPUTER AIDED DESIGN

FAD-505 A Objectives

Theory

To acquaint students with CAD and CAM based applications in Textiles and Apparel Industry.

To impart nnowledge of computer applications in design, draft, cut, production and Management information systems.

Unit-1

Introduction to CAD, Fundamentals of CAD design process and application. Computer process planning, functions, types benefits of CAP, MRP

Unit-2

10 hrs

9 hrs

Total no. of Hours: 48

CAD applications in Fabric pattern designing, modifications for size and fit, making, grading, computerized marker making and marker efficiency using pattern making softwares.

Unit-3

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

Unit-4 : Software applications in production department, garment designing. 5 hrs

Unit-5

CAD Technology for customization, inventory management, Product data management system (PDM system)

65.

6 hrs

Unit -6

Computer aided Quality control, terminologies, inspection methods, its uses.

Reference books

- 1. Mikell. P. Groover, Emory W. Zimmers, Jr," CAD/CAM Computer Aided Design and Manufacturing", Printice Hall of India Pvt. Ltd.
- 2. Alison Beazley & Terry bond," Computer Aided Pattern Design and Product development." Blackwell Science, 2004
- 3. Carr H & Barbara Latham. B," Technology of clothing manufacture," 3rd edition, Black well science Publication 2000
- 4. Winfred Aldrich, "CAD In clothing and textiles, Blackwell Science, 1994
- 5. Taylor P, "Computers in Fashion industry," Heineman publishers, 1990
- 6. Veinsinet D D, "Computer aided drafting and Design Concept & Applications, 1987

APPAREL COMPUTER AIDED DESIGN

Practicals FAD-505 B

16 practicals of 3 hrs each

Unit -1

3 Development of Concept Board (Mood board), Client / Customer Board, Colour Card & Textured Effects, Logo Design (Label, Tags etc. used in ready to wear apparel).

Unit – **2**

Motifs development- Symmetrical/asymmetrical, Balanced/unbalanced, repeat (arrangements) 3/4 drop, ½ drop, H/V, 1/3 drop H/V, ¼ drop H/V Drop Reverse, design placements on borders, pallu & allover.

Unit-3

Design Croquie and draping of the same on Men's. Women's & children's casual, party, night, sports, Office/Formal wear. (One Each)

Unit-4

Designing of Garments for children-A-line, Yoke frock, Bush shirt, trouser, Shorts. (Size 4, 6 and 8) Women's-Salwar Kameez, Dart tops, Skirts, Trousers, Gown (Size 8 & 10) Men's – Shirt, Jacket, Trouser, kurta (Size 38, 40, 42)

Unit-5

Sloper development and Manipulation using any Pattern Making Software. Manipulation of darts, seam allowance, notches, hem line manipulation of Grain lines.

8 hrs

4

3

3

FASHION BUSINESS MANAGEMENT

Theory **FAD 506**

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

Unit: 1

Communication Process- Definition, types, scope, process, problems Networks of communication, intra and intercultural communication

Unit: 2

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-3

Introduction to Merchandising, terminologies, concept and application of merchandising, types of merchandisers

Unit-4

Apparel industry framework, apparel manufacturer, buying houses, apparel exporters, apparel supply chains and retail segments.

Unit-5

Sampling-Importance, presentation, counter samples, importance of time in sampling, sample costing and preparation of quotations

Unit-6

Order confirmation, line planning, style planning, production and quality planning. Sourcing of fabrics, accessories, lead time for the supplies, cost, production of prototype and production sampling.

Unit-7

Retailing merchandiser, concepts, Quick response, Just in Time, Merchandising calendar, trend analysis, forecast analysis, concepts of apparel product lines, planning, directing, coordinating and controlling.

References

- 1. Grace I. Kunz, Merchandising: Theory, principles and practices, Fairchild publication
- 2. Elaine Stone, Dynamics of Fashion, Fair Child Publication
- 3. Phillip Kotler, Marketing Management, Pearson Prentice Hall,
- 4. Tim Jackson & David Shaw, Fashion Buying & Merchandising Management,
- 5. M.S. Shesahdri, Apparel marketing & Merchandising, MS Publication, Bangalore.

8 hrs

10 hrs

Total No of Hours-64

12 hrs

6 hrs

6 hrs

10 hrs

VI SEMESTR APPAREL QUALITY ASSURANCE

Theory FAD 601 A

Objectives

To acquaint students with the quality control and quality assurance practices To acquaint students with quality testing procedures.

Unit 1

Introduction to quality control: definition of quality, importance of quality assurance, fabric inspection, IPQC, AQL, MIL standards and final inspection.

Unit 2

Concepts of TQM, tools used for quality assurance.

Unit 3

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

Unit 4

Accessories testing, inspecting garments using measuring tapes / without using measuring tapes. Spec sheet analysis, button quality testing, packing of shirt and identifying faults.

Unit 5

Applying quality assurance Programmes in fabric, cutting and production department.

Unit 6 : Fabric defects, causes & remedies

References

Practicals

- 1. J.E. Booth, "Principles of Textile Testing," CBS Publishers & Distributors
- 2. Kenneth L. Arnold & Michael Holler, "Quality Assurance Method & Technologies," McGraw Hill Publishers, USA
- 3. Pradeep V. Mehta & Satish Bharadwaj, "Managing Quality in Apparel Industry," New Age International, Ltd.1998
- 4. Amubhai Patel, "Towards Zero defect," Meena Publishers

APPAREL QUALITY ASSURANCE

FAD 601 B **Unit 1 :** Fabric inspection (4 & 10 point) 4 Unit 2: Designing and inspection of apparel care labels, contents, dimensions and position. 4 Unit 3 : Identification of fabric and garment defects. 2 Unit 4 6

Preparation of spec sheets for children, men and women's wear Faults in apparels, packing a shirt and identifying faults.

10 hrs

8 hrs

6 hrs

10 hrs

Total no. of hours-48

10 hrs

4 hrs

16 practical of 3hrs each

PORTFOLIO PRESENTATION

Theory To FAD 602 A	otal teaching hrs – 48 hrs
Objectives To make students understand the importance of portfolios an To impart practical skills for portfolio presentation.	d presentations
Unit: 1 Port folio – Definition, different revolution, types Fashion forecasting and its importance	8 hrs
Unit: 2 Fashion portfolio- advertisement & promotion	6 hrs
Unit: 3 Sources of information & literature on fashion clothing- Indian &	4 hrs International.
Unit: 4 Fashion categories Clothing categories based on age, gender, season & occasion, se men's, women's, kids wear	8 hrs tyling, price, size range for
Unit: 5 Product Development Inspiration board, Mood Board, Color Board, Story Board, Theme Swatch board, Spec sheet	10 hrs Board, Client Board,
Unit: 6 Material Management & Presentation Skills Costing & Spec for Portfolio collection	6 hrs
Unit: 7 Fashion Photography – Methods, types, location, lighting & its im	6 hrs portance.
 References : 1. J Jarnow and KG Dickenson, "Inside the Fashion Business" 2. Gini stephens Frings "Fashion- from concept to consumer 3. Jerligan Easterling "Fashion Merchandising and Marketing 4. Polly Guerin "Creative fashion Presentations" Fairchild Put 5. Drake/ Spoone/Greenwald "Retail fashion promotion and A 	" Pearson Education " Pearson Education blications

PORTFOLIO PRESENTATION

Practicals

16 practical of 3 hrs each

FAD 602 B	~
Unit 1 Theme Based portfolio presentation – 4 collections of 2 ensembles of each based	5 l on themes
Unit 2 : Presentation of your designs inspired by any designer of your choice	2
Unit 3 Preparation of Portfolio of one collection –5 garments Mood board, Story board, colour board, texture board, client board, logo, flat pat Development of Costing & Spec with style, colour, design details, fabric, trims e	
Unit 4 Preparation of Folio on Fashion Photography. Indoor Location, Outdoor Location Based on Location, time, Lighting	5 on.
NONWOVEN AND TECHNICAL TEXTILES Theory Total No. o FAD 603	of Hours-64
Objectives To acquaint students with the application of Non woven & technical textile To impart knowledge of technical textiles with their properties and applica	
Unit-1 Introduction to non-woven and technical textiles, terminologies, scope of non-wo technical textiles in India.	10 hrs oven &
Unit-2 Classification of non-woven-felt, film, stitch, bounded, leather, foa multicomponent fabric-its manufacture & applications.	12 hrs m, braiding,
Unit-3 : Important technical textiles and their applications	12 hrs
Unit-4 : Intelligent textiles and their applications.	8 hrs
Unit-5 : Nano technology in woven and non woven textiles.	10 hrs
Unit-6 : Performance fibers and their application-optical fibers, silicon fibers.	10 hrs
References : 1 Menachem Lewin & Jack Preston Hand book of Fiber Science & Technolo	οgv

- 1. Menachem Lewin & Jack Preston, Hand book of Fiber Science & Technology Volume III, High technology fibers Part A; Marcel Dekker. Inc 1993
- 2. Menachem Lewin & Jack Preston, Hand book 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

APPAREL EXPORT DOCUMENTATION

Theory FAD 604

Total No of Hours 64

10 hrs

8 hrs

16 hrs

6 hrs

8 hrs

10 hrs

Objectives

To acquaint students with export and import trade To impart the regulative & legislative laws governing EXIM trade

Unit-1

Introduction to export documentation, objectives, terminologies

Unit-2

Current scenario of Indian Apparel Industry, Globalization & its effects.

Unit-3

Documentation – Principal documents, auxiliary documents, documents for claiming export assistance.

Unit-4

Balance of payment, deficit & surplus in BOP, debits & credits, risk coverage, insurance and ECGC, buyer-exporter incentives.

Unit-5

India's foreign trade policy-Exim policy, Role of Govt. institutions in export promotion

Unit-6

Export credit-short, medium & long term export credits, packing credit, negotiation of bills, role of terms of payment in international trading.

Unit-7:

6 hrs

Quality control and pre-shipment inspection, clearance of cargo and customs export clearance, containerization and exchange of documents

REFERENCES:

- 1. Darliekoshy, Effective Export marketing of Apparel, Global business press.
- 2. N. Kumar, R. Mittal, "Export Management", Anmol Publication Pvt. Ltd, New Delhi
- 3. P. Subba Rao, "Introduction to International Business", Himalaya publication
- 4. Richard M. Jones "The Apparel Industry" 2 Edition, Black well Science
- 5. Philip Kotler, Marketing Management, Pearson Prentice Hall

SHOP FLOOR MANAGEMENT

Total No of Hours-64 Theory FAD 605 **Objectives** To acquaint the students for better managerial skills on shop floor. To enable the students to understand the intricacies of retail business. 4 hrs Unit -1 Introduction to shop floor management and terminologies. Unit -2 10 hrs Fashion Retailing-History, Scope, Importance. Types of retailing – (Domestic & International), techniques. Unit-3 12 hrs The Store Window display, Exterior of store, Illumination, Masking and Proscenia Mannequins and 3D Dressing. Props & promotions on floor. Visual merchandising and colour pallets. 10 hrs Unit-4 Store interior planning – Store interiors and display locations, fixture & dressings, Purchase display systems. Unit -5 10 hrs Store management – types of stores, planning, layout and storing

Unit -6 Inventory control – definition, types, importance, remedies.

Unit-7

Brand Building-Competitive strategies and survey, market research, fashion promoting and advertising, Trade shows, Exhibitions, Fashion shows, Trade organizations

References

1. Laura L Bliss, Study Guide Visual Merchandising and Display III edition, 1995-Fairchild Publications.

6 hrs

12 hrs

- 2. Castelino. M. Fashion Kaleidoscope, Rupa & Co. 1994.
- 3. Gibson. G. Vedomani, Retail Management, Jaico Publishing House, Bangalore
- 4. Elaine Stone, The Dynamics of Fashion, Fair Child Publication
- 5. Brenda Sternquist, International Retailing, Fairchild Publication, New York
- 6. Martin. M. Pegler, Store Window No.14, No 12, Visual reference Publishers, NewYork
- 7. Jonny Tucker, "Retail Desire" Rotovision SA UK

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