

SEP Syllabus for B.Sc. Fashion Design

COURSE DETAILS

Semester I								
Sl. No	Course Code	Title of the Course	Category of Courses	Teaching Hours per Week	SEE	IA	Total Marks	Credits
1		Textile Science	Theory	4	80	20	100	4
2			Practical	4	40	10	50	2
3		Fundamentals of Fashion Design	Theory	4	80	20	100	4
4			Practical	4	40	10	50	2
5		Basics of Pattern Making and Garment Construction	Practical	6	80	20	100	3
Semester II								
6		Dyeing & Printing in Textiles	Theory	4	80	20	100	4
7			Practical	4	40	10	50	2
8		Fashion Design & Illustration	Theory	4	80	20	100	4
9			Practical	4	40	10	50	2
10		Garment Detailing -I	Practical	6	80	20	100	3

SEP: Course Details

COURSE DETAILS OF B.Sc. Fashion Design							
Sem	Cours ecode	Category of course	Theory/ Practical	Credits	Paper Title	Marks	
						SA	IA
I		DSC	Theory	4	Textile Science	80	20
		DSC	Practical	2	Textile Science	40	10
		DSC	Theory	4	Fundamentals of Fashion Design	80	20
		DSC	Practical	2	Fundamentals of Fashion Design	40	10
		DSC	Practical	3	Basics of Pattern Making and Garment Construction	80	20
		LANG	Theory	3	English	80	20
		LANG	Theory	3	Kannada/Hindi,other	80	20
		COMPULSOR Y	Theory	2	Constitutional Values/Environmental Studies	30	20
TOTAL CREDITS				23	TOTAL MSRKS	650	
II		DSC	Theory	3	Dyeing & Printing in Textiles	80	20
		DSC	Practical	2	Dyeing & Printing in Textiles	40	10
		DSC	Theory	3	Fashion Design & Illustration	80	20
		DSC	Practical	2	Fashion Design & Illustration	40	10
		DSC	Practical	3	Garment Detailing -I	80	20
		LANG	Theory	3	English	80	20
		LANG	Theory	3	Kannada/Hindi,other	80	20
		COMPULSOR Y	Theory	2	Constitutional Values/Environmental Studies	30	20
TOTAL CREDITS				23	TOTAL MSRKS	650	

I Semester

SEP: I Semester B.Sc. **Textile Science (Theory)**

Title of the course: B.Sc. Fashion Design

Number of Theory Credits	Number of lecture hours /semester	Number of practical credits	Number of practical hours /semesters
4	48	2	48
Unit – 1			
Introduction to Textile fibers, terminology, textile yarn, staple & filament, and Sources classification of fibers Natural Fibers- General and chemical properties and end use. - Cellulose fibres- Cotton, Linen - Protein fibres- Silk, Wool - Regenerated Cellulosic fibres- Viscose, acetate rayon, modal, bamboo. Lyocell, banana fibre. Synthetic Fibers – General and chemical properties and end use. -Nylon, polyester, acrylic, modacrylic, polypropylene - Elastomeric fibres (spandex & Lycra). Polymers- Definition, polymerization, degree of polymerization.			12
Unit -2			
Spinning- Definition, types, yarn-ply-2 ply, 3 ply. Thread yarn twist and yarn count system. Spinning process- Ring and open end, Compact Yarn, Air jet spinning. Woollen and worsted yarn, flow chart for manufacturing of carded, combed and twisted yarn, advantages. Blends- Definition, types, advantages and end use of blended yarn P/C, P/V, P/W, W/V. Fancy yarns- Types, properties, and end use, texturization. Types (simple and complex yarns) properties and end use. Sewing threads- types, properties and end use.			12
Unit -3			
Introduction to fabrics- Classification of fabrics. Methods of Fabric formation - woven, knitted and nonwovens. Fabric properties & end use. Woven fabric formation -Flow chart of woven fabric manufacture and objectives. Weaving preparatory, objectives and study of process-winding, warping, sizing, drawing, and denting and weft winder. Introduction to loom- classification, working principle. Study of primary, secondary, and tertiary motion. Classification of woven fabrics-Hand loom & power loom. Elementary weaves Classification of weaves, characteristics, construction, salient features of Plain weave, (Rib, Basket) Twill weave- (RHT, LHT, pointed & herring bone) Satin/sateen weave-fabric design and graphical representation of the above-mentioned weaves. Introduction, properties, and salient features of crepe fabrics- Georgette, chiffon, Brocade, Damask and terry pile.			12
Unit - 4			
Introduction to knitting- Terminology, classification. Warp, weft and crochet knitting. Formation of knitting stitches. Properties and end use. Defects in knitted fabrics. Introduction to nonwovens- characteristics of nonwovens and method of manufacturing of nonwovens - Applications and end use.			12

Textile Science (Theory)

References

- Bernard P. Corbman, “Textiles: Fibre to Fabric”, McGraw Hill Education, 6th edition, 1985.
- Billie J. Collier, Phyllis G. Tortora, “Understanding Textiles”, Pearson, 6th edition, 2000.
- Gohl E.P.G. Velensky, L.D, “Textile Science” CBS Publishers and Distributors, 2nd edition, 2005.
- Gordon Cook J, “Hand Book of Textile Fibres”, Woodhead Publishing, 5th revised edition, 1984.
- Gilbert R. Merrill, “Cotton Opening and Picking”, Universal Publishing Corporation, 1999.
- Hall A.J., “The standard Hand Book of Textiles”, Wood Head Publishing, 8th edition, 2004

SEP: I Semester B.Sc. Textile Science (Practical)

No. of practical Credits - 2	Number of practical hours - 48
Unit 1	14
Identification of different fibers by physical method - feel test, burning test, microscopic test and chemical method - solubility test Natural fibers - Cotton, Silk, Wool. Man-Made - Polyester, Viscose, Nylon	
Unit 2	10
Determination of Yarn Twist and Yarn Count. Determination physical properties of Sewing thread – No. of ply, yarn twist, yarn count, yarn defect, visual inspection of various sewing thread packages. Identification of yarns by physical method – Spun, Filament yarns, ply and novelty yarns.	
Unit 3	14
Sample Development of 5x5 inch size Woven sample for the weaves – plain and its variation (Rib and Matt weave), Twill weave (RHT and LHT), Satin and Sateen with drafting and denting plan for all weaves.	
Unit 4	10
Collection and portfolio preparation of different commercial samples with different Weave structures, Knit structures and Non-Woven. Collection and development of fabric portfolio of the different commercial samples with different weaves and weight. A) Apparel - Women's wear (formal, casual, party, sports/active wear, leisure wear)- 4 samples for each category (sample size - 2x2 inch). B) Furnishing - Fabric used for curtains, upholstery (furniture cover cloth) (sample size - 4x4 inches). C) Household application - Kitchen towels. Mop cloth, carpets, and tablecloth etc. - 2 samples for each category (sample size 4 x 4 inches). D) Support materials for garments and trims - Interlinings, linings, tapes, elastic, shoulder pad, etc.	

Note: Record should be spiral or book binded in A3 size.

SEP: I Semester B.Sc. **Fundamentals of Fashion Design** (Theory)

Number of Theory Credits	Number of lecture hours /semester	Number of practical credits	Number of practical hours /semesters
4	48	2	48
Unit – 1			
Fashion –Introduction, Terminologies: Fashion, Style, Taste, Trend, Fad, Classics, Cycle, Boutique, Haute Couture, Designer, Prêt A Porter, Silhouette - Types of silhouettes – Natural Body, Slim line, Wedge, Hourglass, Extreme Volume Silhouette, Croqui, Muse, Knock off, Avant Garde, Toile, atelier, bespoke, Collage, Frottage, Montage. Design - definition and types – structural and decorative design - Natural/ Geometric/ Abstract/ Stylized/ Ethnic/ Conventional, Requirements of a good structural and decorative design, Application of structural and decorative design in a dress, selection and application of trimmings and decorations.			12
Unit – 2			
Elements of design – line, shape or form, colour, size, and texture. Principles of design- Balance – formal, informal, and Radial, rhythm- through repetition, radiation and gradation, emphasis, harmony, and proportion. Advantages and uses in fashion. Art Media and Application – Pencils, Colour Pencils, Oil Pastels, Water Colour, Poster Colors, Acrylic Colors, Fabric Colors, Markers. Colour- Introduction, Colour wheel - primary, secondary and tertiary colour. Dimensions-Hue, Value and Chroma, Tint, tone, shade, Colour harmony- Related & contrasting colour harmonies & its subdivisions. Colour Theory – Prang colour system & Munsell. Colour Psychology - Colour and Emotions, Indian Approach to Colour).			12
Unit – 3			
Basic sketching techniques and sketching from life, Perspective, and its uses, Grid technique of rendering. Principles of composition. Principles of composition using grids, symmetrical/ asymmetrical, Rule of Thirds, Center of Interest, and Gestalts Theory of Visual Composition. Introduction to Fashion Art, Proportion and the Fashion Figure- 8 head, 10 head, 12 head theory of fashion drawing.			12
Unit – 4			
Theory of Clothing Origin, Fashion cycle, Length of cycle, Fashion theories– Trickle up, Trickle down and Trickle across, Consumer identification with fashion life cycle – fashion leaders/ Style Icon/ followers/ innovators/motivators/ victims, Fashion for creative and artistic, Principles of Fashion, International Major Fashion Centres. Principles of Fashion movement: Factors influencing fashion movement - Accelerating factors, retarding factors, and Recurring fashions. Predicting the movement of fashion.			12

References

- Elisabetta Drudi, Tiziana Paci, “Figure Drawing for Fashion Design”, Pepin Press Publication, 2002
- Gavin Ambrose, Paul Harris, “The Visual Dictionary of Fashion Design”, Bloomsbury Publishing India Private Limited, 2007.
- James Stockton, “Designers Guide to Colour”, Chronicle Books, San Francisco, 1984.
- Maier, Manfred, “Basic Principles of Design”, Van Nostrand Reinhold, 1980.
- Sharon L Tate, Mona S Edwards, “Inside Fashion Design”, Pearson Education India, 2006.
- Stanyer Peter, “The Complete Book of Drawing Techniques”, Arcturus Publishing

SEP: I Semester B.Sc
Fundamentals of Fashion Design (Practical)

No. of practical Credits - 2	Number of practical hours - 48
Unit 1	6
Introduction to art media and its applications, Line Sketching and Painting techniques, Object Drawing, Simple rendering of art materials using pencil and colour pencils, Still life of simple objects and fabrics draped at a distance using wet media, Nature sketch of flowers and leaves using pastels and charcoal, Landscape painting using mix media.	
Unit 2	16
Elements of design: Point, Line, Shape, Space, Color and texture. Colour Theory - Prang colour system & Munsell. Colour wheel - primary, secondary, and tertiary. Colour Dimensions-Hue, Value and Chroma, Tint, tone, shade, Colour harmony-Related & contrasting colour harmonies & its subdivisions.	
Unit 3	10
Principles of Design- Proportion, Balance, Rhythm, Emphasis and Harmony.	
Unit 4	16
Fashion Illustration: Stick, Block and Fleshing of the Fashion figure- 8 head, 10 head, and 12 head figures in simple standing poses. Free hand drawing and Grid technique of Rendering. Design: Natural/ Geometric/ Abstract/Stylized/ Conventional. Principles of Perspective Drawing - Horizon, vanishing points, landscape drawing. One point, two point and three-point perspective drawing.	

Note: Record should be spiral or book binded in A3 size.

SEP: I Semester B.Sc
Basics of Pattern Making and Garment Construction
(Practical)

Number of Theory Credits	Number of lecture hours /semester	Number of practical credits	Number of practical hours /semesters
NA	NA	3	72
Unit – 1			
Introduction to Pattern making, tools used for pattern making and garment construction - measuring tools, marking tools, cutting tools, sewing tools, pressing tools. Types of papers used for pattern making. History of sewing machine, domestic sewing machine, industrial sewing machine, stitch formation, difference between domestic and industrial sewing machine, sewing machine - Types, functions, attachments and uses. Sketching the basic sewing machine and parts and learning threading of single needle lock stitch machine, loading bobbin and bobbin case, fixing and removing the needle and care and maintenance of sewing machines. Stitching Mechanism-needles, bobbin and bobbin case, bobbin winding, upper and cover threading, auxiliary hooks, throat plates, take up lever, tension disc.			16
Unit -2			
Demonstration on types of Sewing threads - function, performance, characteristics, causes of defects and remedies. sewing machine needles - types, parts and functions Stitch classification - ASTM Standards, stitch dimensions and properties. Development of basic hand stitches - Temporary and permanent stitches, methods, importance and applications of basting, running, tacking, hand overcast, chain, buttonhole, hemming stitches - plain and blind hemming. Machine stitches - Lock and over lock stitches. Seams - Definition, classification, ASTM Standards, seam and seam finishes, seam dimensions, SPI, Seam defects causes and remedies. Development of Machine stitches - seam and seam finishes - plain, flat fell, French, turned and stitched, lapped, double top, pinked, over lock, pinked and stitched. Stitch classification			20
Unit -3			
Introduction to pattern making techniques - Drafting, draping and flat pattern technique, advantages and uses. Pattern - Introduction, types of patterns - Commercial, custom made and made-to-measure patterns. Pattern making terminologies - Marks and symbols (notches, punch/circles,) pattern information (grain, part, piece, cut symbols) seam allowance, fabric terms (grain, bowing, skewing). Development of patterns using the above methods. Anthropometric study - Body measurements, types of body measurements, body measuring method and standardization of body measurement. Analyzing of body measurement minimum of 10 people.			16
Unit -4			
Preparation of basic block - Pattern set (bodice front, back, sleeve, skirt - front and back), development of Basic Block. Flat pattern technique - Introduction, types, application and uses (pivot and slash technique), development of Samples. Fullness - Introduction, types of fullness, application and uses, development of Samples. Garment detailing - Dart manipulation - single dart and double series. Conversion of darts to tucks pleats, gathers, and seamlines. Radiating and graduating darts. Flat pattern technique - Introduction, types, application and uses (pivot and slash technique), development of Samples. Fullness - Introduction, types of fullness, application and uses, development of Samples.			20

References

- Allyne Bane, “Flat Pattern Design”, McGraw-Hill Inc. US, 1972.
- Gerry Cooklin, “Introduction to Clothing Manufacture”, Wiley-Blackwell, 2nd edition, 2008.
- Harold Carr & Barbara Latham, “The Technology of Clothing Manufacture”, Oxford Publications, USA, 1994.
- Helen J Armstrong, “Pattern Making for Fashion Design”, Pearson Education India, 5th edition, 2013.
- Winfred Aldrich, “Metric Pattern Cutting”, John Wiley & Sons, 3rd edition, 1994

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**SEP Syllabus for
B.Sc. Fashion Design
II Semester**

SEP: II Semester B.Sc.**Dyeing and Printing in Textiles (Theory)**

Number of Theory Credits	Number of lecture hours /semester	Number of practical credits	Number of practical hours /semester
4	48	2	48
Unit – 1			
Introduction to wet processing - Terminologies, sequence of wet processing operations for cotton, silk and wool, synthetic fabrics. Preparatory and dyeing process of cellulosic fibers. Preparation - Singeing, desizing, scouring, bleaching, mercerization - objectives, recipe, machineries used and process. Preparatory and dyeing process of protein fibers (wool and silk). Preparation for silk - Degumming and bleaching of silk - objectives, recipe, machineries used and process. Preparation for wool - Scouring, carbonizing of wool - objectives, recipe, machineries used and process.			□ 12
Unit – 2			
Dyeing - Dyeing process using reactive and acid dyes, reactive dyes, basic dyes. Dyeing - Dyeing process using direct, reactive, vat dyes. Dyeing of synthetic fibers using disperse dyes. Dyeing - Method of dyeing - stock, yarn, piece, union and garment dyeing. Printing and printing procedure- Introduction, definition of printing styles and methods direct style- Block, stencil, screen, roller, duplex, rotary, transfer printing, discharge style, resist style- batik, tie and dye, Minor printing methods- Flocking, marbling, photo printing, warp printing and air brush printing. and temporary finishes. Basic or routine finishes –Stiffening, Calendaring, weighing, tentering, mercerization. Aesthetic finishes- special calendaring, moiré embossed surface, glazed finish, acid and alkali finishes, and softening, fading finishes.			12
Unit – 3			
Functional finishes- Antimicrobial, antistatic, crease resistant, flame resistant, mothproof, shrinkage control, water repellent, waterproof, Micro encapsulation finishes, soil-release finishes.			12
Unit – 4			
Stain removal, various solvents used and different methods of washing, difference between soaps and detergents. Chemical agents used in stain removal of coffee, blood, oil, grease, curry, juice, lip stick, hair dye. Care of Textiles & fabrics – Principles of laundering. Types - Hand wash, machine wash and dry cleaning. Environmental concerns and Social responsibility- Introduction to environmental issues- air pollution, water pollution, and solid waste pollution. Sustainability in the production of textile. Corporate social responsibility in textile industry.			12

References

- Hall A J, “The standard Hand Book of Textiles”, Woodhead Publication, 2004.
- Kate Broughton, “Textiles Dyeing”, Rockport Publishers Inc., 1996.
- Murphy W S, “Textile Finishing”, Abhishek Publishing, 2007.
- Smith J E, “Textile Processing - Printing, Dyeing”, Abhishek Publishing, 2003.
- Susheela Dantyagi, “Fundamentals of Textiles and their Care”, Orient Black Swan, 1980.
- Wignate I B, “Textiles Fabrics & their Selection”, Prentice Hall, 6th edition, 1970.

SEP: II Semester B.Sc.

Dyeing and Printing in Textiles (Practicals)

No. of practical Credits - 2	Number of practical hours - 48	
	Unit 1	12
Introduction to wet processing. Preparatory process - Desizing, scouring, bleaching of cotton yarn/fabric		
	Unit 2	12
Dyeing of cellulosic yarn/fabric by direct, reactive and vat dyes. Dyeing of protein yarn/fabric by acid and reactive dyes.		
	Unit 3	12
Printing of fabric using block and screen using pigment, reactive and direct dyes. Resist style of printing - Tie and dye/shibori/batik.		
	Unit 4	12
Stain removal of oil, grease, blood, coffee and beverages		

Note: Record should be spiral or book binded in A3 size.

SEP: II Semester B.Sc.
Fashion Design & Illustration
(Theory)

Number of Theory Credits	Number of lecture hours /semester	Number of practical credits	Number of practical hours /semesters
4	48	2	48
Unit – 1			
Fashion figure - Study of various proportions, balance line in drawing fashion figures, gestures and movements. 6½, 8 head, 10 head, 12 head figures, the fashion face, arms, legs, hands and feet. Observation of human body (normal, proportionate, erect, corpulent, knock knee, bowleg, pigeon chest, square shoulder, stooping, short and stout, tall and thin, houchback figures) Figure analysis, body types - Hourglass, inverted triangle, pear shape, apple shape and lean column (rectangular) designing for diverse body types and ages - infant, toddler, children, young boys and girls.			□ 12
Unit - 2			
Garment style features - Silhouettes - types of silhouettes, sleeves - set-in sleeve and bodice combination sleeves, dress and blouses - formal and casual, shirts - men and women, skirts - flared, pencil, circular, pegged, gored, trousers - pencil, pleated, bell bottom, cargo, flared, collars - shirt, shawl, mandarin, flat, peter pan, yokes - yoke with fullness, yoke without fullness, asymmetrical yokes, pockets - patch, welt, side, kangaroo, in-seam pocket, cuffs - single, double, pointed, French cuff, band cuff. Fashion clothing categories - Introduction, Types, based on age and activity, styling, price and size ranges for mens , women's and kid's wear.			12
Unit - 3			
Fashion clothing psychology - Political influence, Social influence, Environmental influence, Geographical influence, Cultural influence, Environment of Fashion, colour psychology, human behavior and clothing, clothing and gender differentiation, clothing and personality, clothing and attitude, clothing and motivation, grooming (for male and female). Fashion seasons – Introduction and terminologies- International market and Indian market, Design, Prototype, Manufacturing, Product Launch, Retail store, Couture, RTW, Mass produced, Fashion Designer, Stylist, Fashion Journalist, Fad, Fit, Pattern, Size label, Care label, Laundering, Fashion Shows, Catwalk, Fashion Magazines, Webzines, Social Media, Lingerie, Longue wear, Fragrance, endorsement, Model, Mannequin, Merchandise. Season: Winter, summer, Spring Autumn.			12
Unit - 4			
Introduction to fashion illustration and brief history of fashion illustration. Study of well-known fashion illustrators (René Bouché, David Downton, Jason Brooks, Lorenzo Mattotti). The role of fashion illustration as a mode of expression and representation for contemporary apparel styles and trends. Fashion Designer Study - Indian fashion designers- Sabyasachi Mukherjee, Ritu Kumar, Ritu Beri, JJ Valaya, Wendell Rodrick's, Raghavendra Rathod, Manish Malhotra, Shyamal & Bhumiika, and their brands based on following criteria: - Introduction of the Designer, Education, Specialty, Brand / label, Contribution to Fashion, Product range, Outlets, Collection Showcase. Fashion Brands, Fashion capitals, Fashion Icons and Role of Fashion in Movies, Sports, and Politic. Fashion Designer Study- International fashion designers- Christian Dior, Gianni Versace, Coco Chanel, Donna Karan, Calvin Klein and their brands based on			12

following criteria: - Introduction of the Designer, Education, Specialty, Brand/label, Contribution to Fashion, Product range, Outlets, Collection Showcase. Fashion Brands, Fashion capitals, Fashion Icons and Role of Fashion in Movies, Sports, and Politic.	
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References

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| <ul style="list-style-type: none">• Bina Abbing, "Fashion Sketchbook", Bloomsbury Academic USA, 6th edition, 2015• Jaeil Lee, Comitte Steen, "Technical Source Book for Designers", Bloomsbury Academic USA, 2nd edition, 2015.• John Wiley, "Theory of Fashion Design" John Wiley and Sons. Inc, New York, 1990.• Patrick John Ireland, "Fashion Design Illustration - Children", Batsford, London, 1996.• Patrick John Ireland, "Fashion Design Illustration - Women", Batsford, London, 1996.• Peacock J, "Fashion Source Books", Thames and Hudson, London, 1998.• Stecker P, "The Fashion Design Manual", Macmillan, Australia, 1997. |
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SEP: II Semester B.Sc.
Fashion Design & Illustration
(Practicals)

No. of practical Credits - 2	Number of practical hours -48
Unit 1	
Fashion Illustrations - 6½, 8 head, 10 head, and 12 head fashion figures - standing, moving and action.	16
Model drawing - Children, female and male figures. Body figures and features - Face, eyes, nose, lips, ears, arms and legs. Hair styling - Women/men basics.	
Unit 2	
12	
Fabric rendering - Learning to simulate textures of various fabrics - Cotton, silk, fur, net, leather, velvet, denim, corduroy, georgette, chiffon, knitted, crochet, lace, embroidered and printed.	
Unit 3	
12	
Sketching and rendering of garment features - blouses - formal and casual, shirts - men and women, skirts - flared, pencil, circular, pegged, gored, trousers - pencil, pleated, bell bottom, cargo, pedal pushers, collars - shirt, shawl, mandarin, flat, peter pan, yokes - yoke with fullness, yoke without fullness, pockets - patch, welt, side, kangaroo, in-seam pocket, cuffs - single, double, pointed, French and band cuff, sleeves - set-in sleeve and bodice combination sleeve.	
Unit 4	
8	
Development of folio with design concepts inspired by one Indian Designer - Sabyasachi Mukherjee, Ritu Kumar, JJ Valaya, Wendell Rodrick's, Raghavendra Rathod, Manish Malhotra, Bhumika, Shyamal. Development of Folio with design concepts inspired by one International Designer - Christian Dior, Gianni Versace, Coco Chanel, Donna Karan, Calvin Klein.	

Note: Record should be spiral or book binded in A3 size.

SEP: II Semester B.Sc.

Garment Detailing - I
(Practicals)

Number of Theory Credits	Number of lecture hours /semester	Number of practical credits	Number of practical hours /semester
NA	NA	3	72
Unit -1			
Major components - Introduction, definition, terms, application, classification and types, development of Samples. Sleeves - Definition, terms, classification and types – Plain, Puff, Raglan, Kimono Sleeves. Collars - Definition, terms, classification and types - Peter pan, sailor, turtle collar, shawl, formal shirt collar, mandarin collar and with its variations - construction. Yokes - Definitions, purpose, types - with fullness and without fullness, shapes - Construction.			18
Unit -2			
Minor components - Introduction, definition, terms, application, classification and types, development of Samples. Pockets - Definitions, purpose, types - patch pockets, patch pockets with flap, seam pockets, welt pockets and variations. Cuff - Definitions, purpose, types – single, double and shaped cuff. Plackets - Definition, types - self placket, continuous bound placket, two piece sleeve placket and shirt placket. Neck line finishes - Definition, types - piping, facing (bias facing, shaped facing) bias binding.			16
Unit -3			
Demonstration of Garment categories - Silhouettes - variations, torso dress, princess line, panel, with waistline, without waist line garments. Trims Definition, types- Bias trimming, ricrac, ruffles, embroidery, smoking, faggoting, applique, lace, lace motifs, scallop edging, decorative fastenings. Development of Folio. Incorporation of Garment closures on samples - Introduction, types - Hook and eye, press buttons, shirt button and button holes, visible and concealed zippers, Velcro.			10
Unit -4			
Design and develop Kids wear – A line frock and Waistline Frock. Design and develop women's wear – Circular or Panel skirt. Design and develop women's wear – Using major and minor components.			28

Note: Record should be spiral or book binded in A3 size.

References

- Elizabeth Liechty, Judith Rasband, “Fitting and Pattern Alteration”, Bloomsbury Academic USA, 2016.
- Helen J Armstrong, “Pattern Making for Fashion Design”, Pearson, 5th edition, 2009.
- Martin M Shoben, Patrick J Taylor, “Grading for the Fashion Industry”, LCFS Fashion Media, 2004.
- Natalie Bray, “Dress Fitting - Basic Principles and Practice”, BSP Professional Book Publishers, 2nd edition, 1991.
- Patric Taylor, “Grading for the Fashion Industry”, Stanley Thomas Ltd., 1990