## TUMKUR UNIVERSITY



Scheme and Syllabus

# B.Sc. (FASHION AND APPAREL DESIGN) 

(I \& II Semesters)

Academic year 2021-22 onwards

## Scheme of Examination

| B.Sc. (FASHION \& APPAREL DESIGN) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SEMESTER - I |  |  |  |  |  |  |  |  |
| CODE | Course | Theory/ <br> Practical | Instruct ion Hrs/wk | Duration of Exam (Hrs) | Marks |  |  | CREDIT |
|  |  |  |  |  | IA | Exam | Total |  |
|  | Language I | Theory | 4 | 3 | 30 | 70 | 100 | 3 |
|  | Language II | Theory | 4 | 3 | 30 | 70 | 100 | 3 |
| $\begin{aligned} & \text { FD1.1T } \\ & \text { FD1.1P } \end{aligned}$ | Textile Science | Theory | 3 | 3 | 30 | 70 | 100 | 3 |
|  |  | Practical | 4 | 4 | 15 | 35 | 50 | 2 |
| $\begin{aligned} & \hline \text { FD1.2T } \\ & \text { FD1.2P } \end{aligned}$ | Fundamentals of Fashion Design | Theory | 3 | 3 | 30 | 70 | 100 | 3 |
|  |  | Practical | 4 | 4 | 15 | 35 | 50 | 2 |
| FD1.3P | Basics of Pattern Making and Sewing | Practical | 6 | 4 | 30 | 70 | 100 | 3 |
| FD OE-1 | Open Elective | Theory | 3 | 3 | 30 | 70 | 100 | 3 |
|  | SEC | Theory + <br> Practical | 1+2 | 2 | 15 | 35 | 50 | 2 |
|  | PE-Yoga | Practical | 2 | - | 25 | - | 25 | 1 |
|  | H\&W | Practical | 2 | - | 25 | - | 25 | 1 |
|  |  |  |  |  | 275 | 525 | 800 | 26 |



## I Semester B.Sc.

FD 1.1 T - Textile Science (Theory)

| Number of Theory <br> Credits | Number of lecture <br> hours /semester | Number of practical <br> credits | Number of practical <br> hours /semester |
| :---: | :---: | :---: | :---: |
| $\mathbf{3}$ | $\mathbf{4 2}$ | $\mathbf{2}$ | $\mathbf{5 6}$ |
| $\mathbf{C n y y}$ |  |  |  |

## Course outcomes: On successful completion of the course, the students will be able to

- Understand the classification, characteristics and use of textile fibres.
- Analyse the basic components of fibres and their relationship to performance.
- Gain knowledge of fibres, yarns, methods of fabric construction.
- Understand the performance and suitability of fabric for apparels.
- Identify and differentiate fabric structures and types.
- Design and develop woven fabrics.

| Unit - 1 | Hrs. |
| :--- | :---: |
| Chapter 1 <br> Introduction to Textile fibers, terminology, textile yarn, staple \& filament, | 4 | sources and classification of fibers

Natural Fibers- Structure, physical, chemical, thermal properties and end use.

- Cellulose fibres- Cotton, Linen, Banana fibre
- Protein fibres- Silk, Wool
- Regenerated Cellulosic fibres- Viscose, Acetate rayon, Modal, Bamboo, Lyocell.


## Chapter 2

Synthetic Fibers - Structure, physical, chemical, thermal properties and end use.

- Nylon, polyester, acrylic, modacrylic, polypropylene
- Elastomeric fibres (spandex \& Lycra).


## Chapter 3

Polymers - Definition: Polymerization, degree of polymerization, Types of polymers - Homo polymer \& co-polymer, types of polymerization - addition and condensation, Requirements of fibre forming polymer, Concept of polymer orientation and crystallinity.

| Unit -2 | Hrs. |
| :--- | :---: |
| Chapter 4 <br> Spinning - Definition, types of yarn - single, 2 ply, 3 ply. Yarn twist and yarn <br> count system. | 6 |
| Spinning process - Ring and open yarn, compact yarn, air jet spinning and <br> difference between rotor and ring spinning. Woolen and worsted yarn, flow <br> chart for manufacturing of carded, combed and folded yarn, advantages. | 6 |


| Chapter 5 |  |
| :--- | :---: |
| Blends - Definition, types, advantages and end use of blended yarn (P/C, P/V, | 2 |
| P/W, W/V). |  |
| Chapter 6 |  |
| Fancy yarns - Types, properties and end use, texturization. Sewing threads- |  |
| types, properties and end use. | 2 |
|  | Unit -3 |

## References

- Bernard P. Corbman, "Textiles: Fibre to Fabric", McGraw Hill Education, $6^{\text {th }}$ edition, 1985.
- Billie J. Collier, Phyllis G. Tortora, "Understanding Textiles", Pearson, $6{ }^{\text {th }}$ edition, 2000.
- Gohl E.P.G., Velensky, L.D, "Textile Science" CBS Publishers and Distributors, $2^{\text {nd }}$ edition, 2005.
- Gordon Cook J, "Hand Book of Textile Fibres", Woodhead Publishing, $5^{\text {th }}$ 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, $8^{\text {th }}$ edition, 2004.


## I Semester B.Sc.

## FD 1.1 P - Textile Science (Practical)



Unit 5
8
Collection and portfolio preparation of different commercial samples with different weave structures - Organdy, muslin, taffeta, shantung, canvas, tweed, oxford shirting, monk's cloth, chiffon, georgette, seersucker, denim, gabardine, satin, sateen, brocade, damask, leno or gauze. Knit structures - single knits - single jersey, Lacoste, double knits - rib knit, purl knit, interlock knit, cable fabric, bird's eye, cardigans, Milano ribs, pointelle.
Non-Woven - Felts, needle punch, tea bag paper, face cloths, shingling and synthetic fiber paper
Note: Minimum 25 samples.

## Unit 6

8
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 $-2 \times 2$ inch).
B) Furnishing - Fabric used for curtains, upholstery (furniture cover cloth) (sample size $-4 \times 4$ inches).
C) Households application - Kitchen towels. Mop cloth, carpets, and table cloth etc. - 2 samples for each category (sample size $4 \times 4$ inches).
D) Support materials for garments and trims - Interlinings, linings, tapes, elastic, shoulder pad, etc.

# I Semester B.Sc. <br> FD 1.2 T - Fundamentals of Fashion Design (Theory) 

| Number of <br> Theory Credits | Number of lecture <br> hours /semester | Number of practical <br> credits | Number of practical <br> hours /semester |
| :---: | :---: | :---: | :---: |
| $\mathbf{3}$ | $\mathbf{4 2}$ | $\mathbf{2}$ | $\mathbf{5 6}$ |
| Course outcomes: On successful completion of the course, the students will be able to |  |  |  |

- Basic principles and techniques of fashion design.
- Learn all the fashion terminologies.
- Understand the principles of colour theory and their application.
- Develop a skill for drawing basic croqui and basic sketching.

| Unit - 1 | Hrs. |
| :--- | :---: |
| Chapter 1 <br> Fashion - Introduction, terminologies - fashion, style, taste, trend, fad, | 4 | classics, cycle, boutique, haute couture, designer, Prêt a Porter, silhouette types of silhouette - natural body, slim line, wedge, hour glass, extreme volume silhouette, croqui, muse, knock off, avant-garde, toile, atelier, bespoke, collage, frottage, montage.

## Chapter 2

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.

## Chapter 3

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.

## Chapter 4

Art media and application - pencils, colour pencils, oil pastels, water colours, poster colours, acrylic colours \& fabric colours, markers.

## Chapter 5

Colour - Introduction, colour wheel - primary, secondary and tertiary. Colour
dimensions - hue, value and chroma, tint, tone, shade, colour harmony related \& contrasting colour harmonies \& its sub divisions. Colour theory Prang \& Munsell colour systems. Colour psychology - colour and emotions, Indian approach to colour.

Chapter 6
Basic sketching techniques and sketching from life, perspective and its uses,
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| Grid technique of rendering, principles of composition. |  |
| :--- | :---: |
| Unit - 3 | Hrs. |
| Chapter 7 <br> Introduction to anatomy, study of bone and muscular structure, proportions of <br> males, females and children. Study of face, torso, legs and arms. | 5 |
| Chapter 8 <br> Introduction to fashion art, proportion and the fashion figure - 8 head, 10 <br> head, 12 head theory of fashion drawing. | 4 |
| Chapter 9 <br> Theory of clothing origin, fashion cycle, length of cycle, fashion theories - <br> trickle up, trickle down and trickle across, consumer identification with <br> fashion life cycle - fashion leaders/ style icon/ followers/ innovators/ <br> motivators/ victims, fashion for creative and artistic, principles of fashion, <br> international major fashion centers. Principles of fashion movement - factors <br> influencing fashion movement - accelerating factors, retarding factors, and <br> recurring fashions. Predicting the movement of fashion. | 6 |

## 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 Ltd., 2003.


## I Semester B.Sc.

FD 1.2 P - Fundamentals of Fashion Design (Practical)

| No. of practical Credits - 2 | Number of practical hours - |  |
| :---: | :---: | :---: |
| Course outcomes: On successful completion of the course, the students will be able to <br> - Learn basics of sketching with different colour schemes and modes. <br> - Practice dimensional sketching and colouring. <br> - Understand colour patterns and combination. |  |  |
| 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 |  | 10 |
| Free hand drawing and grid technique of rendering. Design - natural/ geometric/ abstract/ stylized/ conventional. <br> Principles of perspective drawing - Horizon, vanishing points, landscape drawing. One point, two point and three point perspective drawing. |  |  |
| Unit 3 |  | 8 |
| Elements of design - Point, line, shape, space, color and texture. |  |  |
| Unit 4 |  | 8 |
| Principles of design - Proportion, balance, rhythm, emphasis and harmony. |  |  |
| Unit 5 |  | 10 |
| Colour theory - Prang \& Munsell colour systems. Colour wheel - primary, secondary and tertiary. Colour Dimensions - Hue, value and chroma, tint, tone, shade, colour harmony - related \& contrasting colour harmonies \& its sub divisions. |  |  |
| Unit 6 |  | 14 |
| Fashion illustration - Stick, block and fleshing of the fashion figure -8 head, 10 head, and 12 head figures in simple standing poses. |  |  |

## I Semester, B.Sc. <br> FD 1.3 P - 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 /semester |  |
| :---: | :---: | :---: | :---: | :---: |
| NA | NA | 3 | 84 |  |
| - Classify sewing machines and understand their functioning. <br> - Understand and learn pattern making techniques <br> - Learn basic pattern making terminologies. <br> - Construct basic pattern sets. |  |  |  |  |
| Unit - 1 |  |  |  | Hrs. |
| Chapter 1 <br> Introduction to Patternmaking identification of tools used for patternmaking and garment Construction-measuring tools, marking tools, cutting tools, sewing tools, pressing tools. Sketching of tools Used for Pattern Making Understanding and collection of Paper of various GSM used in patternmaking. <br> Chapter 2 <br> Sewing machine - Identification of machine parts and functions, typesdomestic sewing machine, industrial sewing machine, stitch formation, sewing machine 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. <br> Stitching practice on paper and fabric (straight, curves, corners and circular). <br> Chapter 3 <br> Demonstration of parts of a sewing machine, varieties of industrial sewing machines - single needle lock stitch machine, double needle lock stitch machine, chain stitch machines, over-lock machine, care and maintenance of sewing machine. Illustration of feeding mechanism - drop feed, differential feed, needle feed, compound feed \& puller feed. |  |  |  | 10 |
| Unit -2 |  |  |  | Hrs. |
| Chapter 4 <br> Demonstration on types of sewing threads - function, performance, characteristics, causes of defects and remedies. Sewing machine needles types, parts and functions <br> Stitch classification - ASTM Standards, stitch dimensions and properties. |  |  |  | 8 |

## Chapter 5

Development of basic hand stitches - Temporary and permanent stitches, methods, importance and applications of basting, running, tacking, hand overcast, chain, button hole, hemming stitches - plain and blind hemming. Machine stitches - Lock stitch and over lock stitches. Seams - Definition, classification, ASTM Standards, seam and seam finishes, seam dimensions, SPI, seam defects causes and remedies.

## Chapter 6

Introduction to pattern making techniques - Drafting, draping and flat pattern technique, advantages and uses. 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 children's sloper.

| Unit -3 |  |
| :--- | :--- |
| Chapter 7 |  |
| Body measurements - Importance, types of body measurements, body |  | measuring method. Demonstration and calculation of average measurement for mass production of taking body measurements, anthropometric study, average analysis of body measurements and standardizing the measurements (at least measurements of 20 people to be collected for an average analysis).

## Chapter 8

Design and development of kid's wear garment - Zabla, A - line frock, waistline frock, bush shirt and shorts with elastic.

Chapter 9
Design and development of long skirt and circular skirt.

## References

- Allyne Bane, "Flat Pattern Design", McGraw-Hill Inc. US, 1972.
- Gerry Cooklin, "Introduction to Clothing Manufacture", Wiley-Blackwell, $2^{\text {nd }}$ 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, $5^{\text {th }}$ edition, 2013.
- Winfred Aldrich, "Metric Pattern Cutting", John Wiley \& Sons, $3^{\text {rd }}$ edition, 1994.


## I Semester OE 1: TEXTILES AND COSTUMES OF INDIA

| Number of <br> Theory Credits | Number of lecture <br> hours /semester | Number of practical <br> credits | Number of practical <br> hours /semester |
| :---: | :---: | :---: | :---: |
| $\mathbf{3}$ | $\mathbf{4 2}$ | NA | NA |

## Course Outcomes: On successful completion of the course, the students will be able to

- Gain knowledge in historical textiles and design from the historical time till date.
- Understand about traditional woven textiles of different states of India.
- Learn about the traditional costumes of different states of India.


## Unit 1

Textiles and costumes of India.
Introduction, history, types, motifs and symbols, prehistoric textiles and costumes - costume components for men, women and children, hair and hair dresses. Indus Valley Civilization, Vedic age, Mughals, Guptas.

## Unit 2

Ancient Indian textiles and costumes.
History and social life, costumes, jewelry, textiles and dyes - Indus valley,
Vedic, Mauryan, Shatavana period, Kushans, Gupta and Mughals.

## Unit 3

Northern traditional textiles.
Traditional woven textiles of North states of India - Brocades of Banaras, Chanderi and Tanchoi, Himru,pipli. Traditional costumes of North India - Jammu \& Kashmir, Punjab, Himachal Pradesh, Haryana, Uttaranchal and Uttar Pradesh.

## Unit 4

Southern traditional textiles.
Traditional woven textiles of Southern states of India - Paithani and Pitamber, Pochampalli, Kancheevaram, , Kalamkari, Mysore silk, Aarni Silk. Traditional costumes of Southern states of India - Tamil Nadu, Kerala,
Karnataka and Andhra Pradesh.

## Unit 5

Eastern traditional textiles.
Traditional woven textiles of Eastern states of India - Dacca muslin, applique work of Bihar, Balucheri, Jamdhani.
Traditional costumes of Eastern states of India - West Bengal, Bihar,

## Unit 6

Western textiles
Traditional woven textiles of Western states of India - Maheshwari sarees of Madhya Pradesh, Patola, Bandhini and Amrus.
Traditional costumes of Western states of India - Rajasthan, Gujarat, Maharashtra, Madhya Pradesh, Chhattisgarh and Goa.

## References

- Jamila Brij Bhusan "The Costumes and Textiles of India", Taraporevala, Bombay.
- John Gillow \& Nicholas Barnad, "Traditional Indian Textiles". Thames \& Hudson, 1993.
- Karen Baclawski, "The Guide to Historic Costumes", Drama Publishers, 1995.
- Martand Singh, " Saris’ of India - Bihar \& West Bengal", Wiley Eastern Ltd. 1993.
- Parul Bharnager, "Traditional Indian Costumes \& Textiles", Abhishek Publication, 2009.
- Ritu Kumar, "Costumes and textiles of Royal India", Christie’s Books, 1999.
- Roshen Alkazi, "Ancient Indian Costume", Art Heritage, 1983.
- Rta Kapur Chishti \& Amba Sanyal, "Saris of India - Madhya Pradesh," Wiley Eastern Ltd. 1989.


## II Semester B.Sc.

## FD 2.1 T - Dyeing and Printing in Textiles (Theory)



## Chapter 6

Finishes - Introduction, definition, importance, classification of finishes permanent 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, softening and fading finishes.

| Unit -3 | Hrs. |
| :--- | :---: |
| Chapter 7 <br> Functional finishes - Antimicrobial, antistatic, crease resistant, flame | 5 | resistant, mothproof, shrinkage control, water repellent, water proof, micro encapsulation finishes, soil-release finishes.

## Chapter 8

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.

## Chapter 9

Environmental concerns and social responsibility - Introduction to environmental issues - air pollution, water pollution, and solid waste responsibility in textile industry.

## References

- Hall A J, "The standard Hand Book of Textiles", Woodhead Publication, 2004.
- Kate Broughton, "Textiles Dyeing", Rockport Publishers Inc., 1996.
- Mahapatra NN, "Textile Dyeing", Woodhead Publishing India Pvt. Ltd., 2018.
- 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.


## II Semester B.Sc.

FD 2.1 P - Dyeing and Printing in Textiles (Practical)

| No. of practical Credits - 2 | Number of practical hours - 56 |  |  |
| :--- | :---: | :---: | :---: |
| Course outcomes: On successful completion of the course, the students will be able to <br> $\bullet \quad$ Gain practical knowledge on dyeing methods. <br> $\bullet \quad$ Learn various methods of textile printing. <br> $\bullet$ <br> Identify and treat common fabric stains. |  |  |  |
| Unit 1 |  |  | 8 |
| Introduction to wet processing. Preparatory process - Desizing, scouring, bleaching <br> and mercerization of cotton yarn/fabric |  |  |  |
| Unit 2 |  |  | 9 |
| Protein fiber - Degumming and bleaching of silk yarn / fabric, scouring and bleaching <br> of wool fibre/yarn/fabric. |  |  |  |
| Unit 3 |  |  |  |

## II Semester B.Sc.

## FD 2.2 T - Fashion Design \& Illustration (Theory)

| Number of <br> Theory Credits | Number of lecture <br> hours /semester | Number of practical <br> credits | Number of practical <br> hours /semester |
| :---: | :---: | :---: | :---: |
| $\mathbf{3}$ | $\mathbf{4 2}$ | $\mathbf{2}$ | $\mathbf{5 6}$ |
| $\mathbf{C}$ | $\mathbf{y y}$ |  |  |

## Course outcomes: On successful completion of the course, the students will be able to

- Develop a skill for drawing basic croqui with facial details.
- Create stylized croqui for fashion illustrations.
- Understand the design process of fashion forecasting and fashion research.
- Learn sketching technique of flats and specs.
- Understand the fashion clothing categories.

| Unit-1 | Hrs. |
| :--- | :---: |
| Chapter 1 |  |
| Introduction to fashion illustration and brief history of fashion illustration. <br> Study of well-known fashion illustrators (René Bouché, David Downton, | 3 | Jason Brooks, Lorenzo Mattotti). The role of fashion illustration as a mode of expression and representation for contemporary apparel styles and trends.

## Chapter 2

Fashion figure - Study of various proportions, balance line in drawing fashion figures, gestures and movements. $61 / 2,8$ head, 10 head, 12 head figures, the fashion face arms, legs, hands and feet.

## Chapter 3

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.

|  | Hrs. |
| :--- | :---: |
| Chapter 4 Unit -2 <br> Garment style features - Silhouettes - types of silhouettes, sleeves - set-in <br> sleeve and bodice combination sleeves, dress and blouses - formal and casual, <br> shirts - men and women, skirts - flared, pencil, circular, pegged, gored, <br> trousers - pencil, pleated, bell bottom, cargo, flared, collars - shirt, shawl, <br> mandarin, flat, peter pan, yokes - yoke with fullness, yoke without fullness, <br> asymmetrical yokes, pockets - patch, welt, side, kangaroo, in-seam pocket, <br> cuffs - single, double, pointed, French cuff, band cuff. | 5 |
|  |  |

## Chapter 5

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).

## Chapter 6

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.

## Chapter 7

Indian fashion designers - Sabyasachi Mukherjee, Ritu Kumar, Ritu Beri, JJ Valaya, Wendell Rodrick's, Raghavendra Rathod, Manish Malhotra, 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 politics.

## Chapter 8

International fashion designers- Christian Dior, Gianni Versace, Coco Chanel, Donna Karan, Calvin Klein 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 politics.

## Chapter 9

Fashion clothing categories - Introduction, types, based on age and activity, styling, price and size ranges for men's, women's and kid's wear.



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## References

- Bina Abling, "Fashion Sketchbook", Bloomsbury Academic USA, 6 ${ }^{\text {th }}$ edition, 2015
- Jaeil Lee, Comitte Steen, "Technical Source Book for Designers", Bloomsbury Academic USA, $2^{\text {nd }}$ 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.
- Tisianna Paci, "Figure Drawing for Fashion Design", Pepin Press Publication, 2002.


## II Semester B.Sc. <br> FD 2.2 P - Fashion Design \& Illustration (Practical)

| No. of practical Cred | Number of practical hour |  |
| :---: | :---: | :---: |
| Course outcomes: On successful completion of the course, the students will be able to <br> - Understand the use of textures on various fabrics. <br> - Sketch human figures and understand shapes and features. <br> - Develop folio with design concepts inspired by designers. |  |  |
| Unit 1 |  | 6 |
| Fashion illustrations - $61 / 2,8$ head, 10 head, and 12 head fashion figures - standing, moving and action. |  |  |
| Unit 2 |  | 8 |
| 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 3 |  | 9 |
| 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 4 |  | 9 |
| 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 5 |  | 14 |
| 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. |  |  |
| Unit 6 |  | 10 |
| Development of folio with design concepts inspired by one International Designer Christian Dior, Gianni Versace, Coco Chanel, Donna Karan, Calvin Klein. |  |  |

## II Semester B.Sc. FD 2.3 P - Garment Detailing-I (Practicals)

| Number of Theory <br> Credits | Number of lecture <br> hours /semester | Number of practical <br> credits | Number of practical <br> hours /semester |
| :---: | :---: | :---: | :---: |
| NA | NA | $\mathbf{3}$ | $\mathbf{8 4}$ |

Course outcomes: On successful completion of the course, the students will be able to

- Apply knowledge about industrial method of pattern making, grading and marker plan.
- Understand about garment sizes and categories.
- Handle special fabrics for garment construction.
- Learn minor and major garment construction techniques.

| Unit - 1 | Hrs |
| :--- | :---: |
| Chapter 1 <br> Preparation of basic block - Pattern set (bodice front, back, sleeve, skirt - front <br> and back), development of basic pattern set. | 8 |

## Chapter 2

Flat pattern technique - Introduction, types, application and uses (pivot and slash technique).

## Chapter 3

Fullness - Introduction, types of fullness, application and uses, development of
Garment detailing - Dart manipulation - single dart and double series. Conversion of darts to tucks pleats, gathers, and Stylelines. Radiating and graduating darts.

## Chapter 4

Major components - Introduction, definition, terms, application, classification and types, development of samples.
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
Sleeves - Definition, purpose, terms, classification and types - set in, plain puff sleeve, raglan, Magyar sleeve.

## Chapter 5

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.

## Chapter-6

Trims- Definition, types- frills, ruffles, ricrac, faggoting, applique, lace, motifs, scallop edging, smocking, decorative fastenings, basic Embroidery, development of folio.

|  |  |
| :--- | :---: |
| Chapter 7 Unit -3 | Hrs. |

Demonstration of garment categories - Silhouettes - variations, torso dress, princess line, panel, with waistline, without waist line garments.

## Chapter 8

Incorporation of garment closures on samples - Introduction, types - Hook and eye, press buttons, shirt button and button holes, visible and concealed zippers, velcro.

## Chapter 9

Develop two garment for women using major and minor components

## References

- Elizabeth Liechty, Judith Rasband, "Fitting and Pattern Alteration", Bloomsbury Academic USA, 2016.
- Helen J Armstrong, "Pattern Making for Fashion Design", Pearson, 5th edition, 2013.
- 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.


## II Semester

## OE 2 - CLOTHING CARE AND MAINTENANCE


etc.; various systems of care labeling-washing instruction. Bleaching instruction-drying instruction-ironing instruction-dry cleaning instruction. Placement of labels on garments.

## Unit 6

Stain removal: Principles of laundering - stain removal - various solvents for stain removing blood, tea, rust; oil/grease etc. - different methods of washing - application of friction by hand rubbing - scribing - tumble wash. General rules and ways of stain removal

## References

- Dantyagi S., "Fundamentals of Textile and Their Care", Oriental Longmans Ltd, New Delhi, 1996.
- Denlkar, "Household Textiles and Laundry Work", Atma Ram and Sons, Delhi, 1993.
- Davis, "Laundry and Clothing Care", Drama Book Publishers, 1995.
- Neomi D'Souza, "Fabric Care", New Age International Publisher, 1998.
- Parthiban M, Srikrishnan MR, "Apparel Finishing and Clothing Care", WPI, 2020.
- Rajkishore Nayak, Saminathan Ratnapandian, "Care and Maintenance of Textile Products Including Apparel and Protective Clothing", CRC Press, $1^{\text {st }}$ edition, 2018.


# QUESTION PAPER PATTERN (Theory) <br> I/II Sem. B.Sc. Examination <br> (2021-22 Onwards) <br> FASHION AND APPAREL DESIGN <br> Paper code and Title of the paper 

MAX MARKS-70
TIME: 3Hrs
Instructions to the Candidates: i. All sections are compulsory
ii. Illustrate wherever necessary

SECTION - A

1. Answer any $\mathbf{1 0}$ of the following
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 

## SECTION - B

II. Answer any 5 of the following
13.
14.
15.
16.

17
18.
SECTION - C
III. Answer any 5 of the following (5x6=30)
20.
21.
22.
23.
24.

# QUESTION PAPER PATTERN (Practical) 

I/IISem. B.Sc. Examination (2021-22 Onwards)
FASHION AND APPAREL DESIGN
Paper code and Title of the paper
MAX MARKS-35
TIME: 4Hrs

Instructions to the Candidates: i. All sections are compulsory
1.
2.
3. Viva Voce
4. Practical Record

10 Marks
10 Marks
05 Marks
10 Marks

QUESTION PAPER PATTERN (Practical)
I/IISem. B.Sc. Examination (2021-22 Onwards)
FASHION AND APPAREL DESIGN
Paper code and Title of the paper
MAX MARKS-70
TIME: 4Hrs
Instructions to the Candidates: i. All sections are compulsory
1.
2.
3. Viva Voce
4. Practical Record
5. Product Evaluation

20 Marks
20 Marks
10 Marks
10 Marks
10 Marks

## Outline for Continuous Assessment

Theory with 3 credits

| Activity | C1 | C2 | Total |
| :--- | :---: | :---: | :---: |
| Session Test | $10 \%$ | $10 \%$ | $20 \%$ |
| Seminars/Presentations/Activity | $5 \%$ | - | $05 \%$ |
| Assignment/Field Work | - | $5 \%$ | $05 \%$ |
| Total | $15 \%$ | $15 \%$ | $30 \%$ |

## Practicals with 2 Credits

| Activity | C1 | C2 | Total |
| :---: | :---: | :---: | :---: |
| Test / Performance | $5 \%$ | $5 \%$ | $10 \%$ |
| Record Maintenance |  | $5 \%$ | $05 \%$ |
| Total |  |  |  |

## Practicals with 3 Credits

| Activity | C1 | C2 | Total |
| :---: | :---: | :---: | :---: |
| Test / Performance | $10 \%$ | $10 \%$ | $20 \%$ |
| Record Maintenance | $10 \%$ | $10 \%$ |  |
| Total |  |  |  |


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