

Study Scheme & Syllabus of B. Voc. (Fashion Design and Garment Technology) Batch 2020 onwards



By

**Board of Studies (Fashion Technology)
Department of Academics**

IKG Punjab Technical University

(SEMESTER I)

Course Code	Course Title	Load Allocation			Marks Distribution			Credit
		L	T	P	Int.	Ext.	Total	
BVFDT101-20	English Communication Skills I	4	0	0	40	60	100	4
BVFDT102-20	Personality and Clothing	4	0	0	40	60	100	4
BVFDT103-20	Garment Technology	4	0	0	40	60	100	4
BVFDT104-20	Pattern Making (Practical)	0	0	6	60	40	100	3
BVFDT105-20	Basics of apparel construction (Practical)	0	0	6	60	40	100	3
BVFDT106-20	Garment construction-I (Practical)	0	0	6	60	40	100	3
BVFDT107-20	Ob Job Training	30 Days			0	200	200	9
Total		12	0	18	300	500	800	30

(SEMESTER II)

Course Code	Course Title	Load Allocations			Marks Distribution			Credit
		L	T	P	Int.	Ext.	Total	
BVFDT201-20	English Communication Skills II	4	0	0	40	60	100	4
BVFDT202-20	Fundamentals of Computer	4	0	0	40	60	100	4
BVFDT203-20	Fashion Merchandising	4	0	0	40	60	100	4
BVFDT204-20	Design Process (Practical)	0	0	6	60	40	100	3
BVFDT205-20	Fashion Illustration (Practical)	0	0	6	60	40	100	3
BVFDT206-20	Garment Construction-II (Practical)	0	0	6	60	40	100	3
BVFDT207-20	On Job Training	30 Days			0	200	200	9
Total		12	0	18	300	500	800	30

(SEMESTER III)

Course Code	Course Title	Load Allocation			Marks Distribution			Credit
		L	T	P	Int.	Ext.	Total	
BVFDT301-20	Introduction to Fashion Industry	4	0	0	40	60	100	4
BVFDT302-20	Fabric Formation and Structure	4	0	0	40	60	100	4
BVFDT303-20	Surface Ornamentation-I (Practical)	0	0	7	60	40	100	4
BVFDT304-20	Textile Science (Practical)	0	0	7	60	40	100	4
BVFDT305-20	Basics of Computer Application (Practical)	0	0	7	60	40	100	4
BVFDT306-20	On Job Training with an Apparel Boutique	180 Hrs			0	200	200	10
Total		8	0	21	260	440	700	30

(SEMESTER -IV)

Course Code	Course Title	Load Allocations			Marks Distribution			Credit
		L	T	P	Int.	Ext.	Total	
BVFDT401-20	INDUSTRIAL TRAINING & ITS EVALUATION <ul style="list-style-type: none">RESEARCH FILE BASED ON FORECASTS AND EXISTING MARKET TRENDSDESIGN PROJECTSCUSTOMER ANALYSISAPPRAISALSVIVA VOCE				300	450	750	30

(SEMESTER -V)

Course Code	Course Title	Load Allocations			Marks Distribution			Credit
		L	T	P	Int.	Ext.	Total	
BVFDT501-20	Fashion Communication	4	0	0	40	60	100	4
BVFDT502-20	Apparel Industry and Quality Control	4	0	0	40	60	100	4
BVFDT503-20	Apparel Production Management	4	0	0	40	60	100	4
BVFDT504-20	Basics of Corel draw (Practical)	0	0	7	60	40	100	4
BVFDT505-20	Surface Ornamentation -II (Practical)	0	0	7	60	40	100	4
BVFDT506-20	On Job Training in small to medium scale garment manufacturing unit	180 Hrs			0	200	200	10
	Total	12	0	14	240	560	700	30

(SEMESTER -VI)

Course Code	Course Title	Load Allocations			Marks Distribution			Credit
		L	T	P	Int.	Ext.	Total	
BVFDT601-20	INDUSTRIAL TRAINING & ITS EVALUATION <ul style="list-style-type: none">RESEARCH FILE BASED ON FORECASTS AND EXISTING MARKET TRENDSDESIGN PROJECTSCUSTOMER ANALYSISAPPRAISALSVIVA VOCE				300	450	750	30

B.VOC. (FASHION DESIGN AND GARMENT TECHNOLOGY)

SEMESTER I

THIS SYLLABUS HAS BEEN ALIGNED TO QUALIFICATION PACK: SELF EMPLOYED TAILOR, REFERENCE ID: AMH/Q1947

Self Employed Tailor is a role of self-employed professional tailor who can sew and repair garments, made-ups and home furnishing articles and manage livelihood out of it. The job thus involves taking measurements, cutting fabrics as per measurements and sews with the help of ordinary sewing machines. The person also does alteration work of stitched dress materials to correct fit as per customer's requirements.

Job roles of self-employed tailor:

- Drafting and cutting the fabric.
- Carry out the process of sewing for dress materials and common household items for textiles.
- Carry out inspection and alteration to adjust corrections for fittings.
- Maintain health, safety and security in the tailoring shop.
- Maintain work area, tools and machines.
- Comply with industry, regulatory and organizational requirements.

ENGLISH COMMUNICATION SKILLS I (BVFD101-20)

SECTION-A

Prescribed Text: *Prose Parables*, Orient BlackSwan, 2013

The following stories are to be studied:

1. Kabuliwallah: Rabindranath Tagore
2. The Eyes are Not Here: Ruskin Bond
3. Grief: Anton Chekhov
4. Uncle Podger Hangs a Picture: Jerome K. Jerome
5. The Doctor's Word: R.K. Narayan
6. Green Parrots in a Cage: Gopi Gauba
7. Dusk: Saki
8. The Face on the Wall: E. V. Lucas

SECTION-B

Writing Skills:

1. Letter Writing: Personal and Official
2. Paragraph Writing

Grammar and Vocabulary

(a) Grammar:

Prescribed Text: *Oxford Practice Grammar* by John Eastwood, Oxford University Press, 2006

1. Ex. 1-20
2. Ex -21-39

(b) Vocabulary:

Prescribed Text: *The Students' Companion* by Wilfred D Best, Harper Collins, Publishers, 2010

1. Antonyms: Pages 128 -130
2. Synonyms: Pages 132-134

Suggested Reading:

1. *The Written Word* by Vandana R Singh, Oxford University Press, 2006

PERSONALITY AND CLOTHING (BVFD102-20)

UNIT-I

1. Introduction to personality Development: Definition, Importance, developing personalities (stages of development- Freudian stages of development)
2. Basic personality traits: values, benefits, Interactions, experiences, environmental influences, the big five dimensions
3. Personality type
4. Personality and Career choice: Matching career and personality, why it matters, self- efficacy.

UNIT: II

1. Changing your personality: Can personality change? Being yourself, being adaptable, Positive attitude, Individuality, Controlling emotions.
2. Personality makeover and clothing: give examples of celebrities who have undergone make over.
3. Clothing and color- Importance of color for different age groups, ceremonies, occasion, occupation etc.
4. Factors affecting selection of clothing.

Reference:

- Horn.H.J.,(1996):Second Skin, A Study in Human Behavior by Marry Show Ryan- New York, Holt Rinehart & Winston.
- Stone. E., In Fashion, Fairchild Books, USA, Second Edition
- Sharon.L.,Harper & Row Pub., Inside Fashion Design, NY.
- Jersey.N.,Frings.S.G.,(1996): Fashion from Concept to Consumer ,Prentice Hall-C.
- Tortora.P.,(2003):Encyclopedia of Fashion Accessories, Fairchild Pub. Inc.
- Castellino.M.,(1994):Fashion Kaleidoscope Rupa & Co.

GARMENT TECHNOLOGY (BVFD103-20)

UNIT-I

1. Sewing equipments: measuring and marking tools, cutting tools, needles and pins, threads, notions and ironing aids, their maintenance and care.
2. Introduction and handling of sewing machine (manual and electric), its parts, their working and maintenance, different types of sewing machines (simple, treadle, automatic, computerized), threading and bobbin winding.
3. Anthropometry: Landmarks, taking body measurements, study of various sizes and measurements, measurement charts.
4. Sewing defects and their remedies.

UNIT: II

1. Drafting and pattern making techniques: Pattern making terminologies: Pivotal Point, Templates, Block, Landmarks, Blending, Bowing, Trueing, Pattern Grading, Cost sheet, Bust point, Balance, Pattern symbols, Seam allowances, Ease, Bias, Draping, Pattern Plot, Pattern adaptations, Flat paper pattern, commercial paper patterns and grain lines
2. Pattern Alteration: Importance of altering patterns, general principles for pattern alteration, common pattern alterations in a blouse.
3. Pattern Layout and Cutting: Definition, Purpose, Rules in layout, Types of layout, lengthwise striped designs, fabric with bold designs, asymmetrical designs, what can be done if cloth is insufficient, fabric cutting, transferring pattern, marking, stay stitching and ease stitching.
4. Fitting: standards of a good fit, steps in preparing a blouse for fitting, checking the fit of blouse, solving fitting problems in a blouse, fitting techniques

References

- Mullick, P., (2010): Garment Construction Skills, Kalyani Publishers.
- Cheetham, K., Singer, Perfect Plus, Creative Publishing International.
- Ward, W., (2014): The Beginners Guide to dress making, D & C Publishers.
- Abousteit, N. and Lau. J., (2012) : Sewing Vintage Modern, Potter Craft, New York.

PATTERN MAKING (BVFD104-20)

1. Introduction to pattern making: Review of different methods of developing a pattern, advantages and disadvantages of all the methods.
2. Meaning, purpose and tools of drafting and pattern making.
3. Anthropometric Measurements: Landmarks, taking body measurements, A study of various sizes and measurements, measurement charts.
4. Selection of right size, Pattern, fitting problems, principles of a good fit, alteration of paper patterns.
5. Purpose of Darts.
6. Creation of a bodice block and sleeve block for a child
7. Adaptation of a sleeve block to set-in-sleeves, plain, puff, cap, bell, umbrella, flared
8. Basic skirt block and its adaptation to a-line skirt, added flare, skirt with yoke, tiered skirt, wrap skirt, circular skirt-full and half
9. Adaptation of collars- baby, peterpan, cape, shawl, sailor, mandarian, stand and fell.

References:

- Mullick, P., (2010): Garment Construction Skills, Kalyani Publishers.
- Cheetham, K., Singer, Perfect Plus, Creative Publishing International.
- Ward, W., (2014): The Beginners Guide to dress making, D & C Publishers.
- Abousteit, N. and Lau. J., (2012) : Sewing Vintage Modern, Potter Craft, New York.

BASICS OF APPAREL CONSTRUCTION (BVFD105-20)

1. Making samples of the following:
 - a) Basic hand stitches- basting, tailor's tack, back stitch, hemming.
 - b) Different types of seams and seam finishes: Seams- plain, French, run and fell, lap, piped, counter seam, counter hem
Seam finishes: overcast, double stitched, edge stitched, bound.
2. Fullness treatment:
Tucks- pin, cross, shell, released, group, space Darts- single pointed, double pointed, French Pleats- Knife, box, inverted
3. Facing(biased & shaped) and binding
4. Plackets- two piece, continuous wrap, kurta
5. Application of fasteners- buttons and buttonholes, hooks and eyes, hammer ons
6. Zippers- centered, concealed, lapped
7. Application of different types of trimmings- laces, pipings, bindings, appliqué
8. Pockets- patch, flap, cargo, belt/slit, shirt ,side, kurta
9. Samples of frills and flounces.
10. Samples of Gathers and Ruffles
11. Necklines: Construction and finishing of different types of necklines (facing and binding on different neck shapes)
12. Yokes: one-piece, two pieces, with and without fullness.

References:

- Smith, A., (2019): The Sewing Book, DK Publishers.
- Jeffrey, C., (1996): The Concept Book of Sewing, A practical Step-by-step Guide to Every Technique.
- Eaton, J., (2004): The Encyclopedia of Sewing Techniques, SNP Leefung Printers Ltd.
- Minnetonka, Minnesota, (1996): Singer Sewing Essentials, Cowles Creative Publishing USA.
- Smith, A., (2014): Dress making, Skirts and dresses, A Handy step-by-step Guide, DK Publishers.
- Detrixhe, S., (2004): The Everything Sewing Book, Adams Media, Avon, Massachusetts.

GARMENT CONSTRUCTION-I (BVFD106-20)

1. Drafting, pattern development and construction of a frock (A-Line/ Gathered)
2. Drafting, pattern development and construction of a kurta (A line/fitted/kalidaar)
3. Drafting, pattern development and construction of a salwar (straight/ Patiala)
4. Drafting, pattern development and construction of a trouser or plazo (narrow, flared)
5. Drafting, pattern development and construction of nightwear (one piece/ two piece).

References

- Armstrong, J., (2004): Draping for Fashion Design, Fair child Publication, New York.
- Zamkoff.B. (1997): Basic Pattern Skills for Fashion Design by Bernard, Fairchild Publication.
- Ernestine. K.,(2006): Design Apparel through Flat Pattern, Cole Publishing Co
- Jersey.N. (1996): Fashion from Concept to Consumer, Prentice Hall C.
- Holman., Pattern Cutting Made Easy: A step by step Introduction, Om Publications
- Sharon.L, Inside Fashion Design, Harper & Row Pub., NY.
- Pamela, C. Stringer., (1995). Pattern Drafting for Dress Making, Augustan Publishers & Distributors, Delhi
- Relis, Nurie, & Jaffe, Hilde, (1993): Draping for fashion Design, Prentice Hall career Technology, New Jersey.

ON JOB TRAINING (BVFDT107-20)

Department Division: 30 days in Sewing Section of Garment House/Garment Manufacturing/Production

Daily Diary/Log book: On daily basis students are required to make entries in the log book as per the assigned duties and responsibilities carried out on daily basis.

Training Report: Students are required to make two copies of training report (hard and soft) covering the Sewing Section involving taking measurements, cutting fabrics as per measurements and sews with the help of ordinary/industrial sewing machines. The person also does alteration work of stitched dress materials to correct fit as per customer's requirements.

B.VOC. (FASHION DESIGN AND GARMENT TECHNOLOGY)

SEMESTER II

**THIS SYLLABUS HAS BEEN ALIGNED TO QUALIFICATION PACK: FASHION DESIGNER,
REFERENCE ID: AMH/Q1201**

A Fashion Designer should have the skills and knowledge to develop fashion design briefs and manage the development of design concepts for commercial production. The initial process includes conducting market research and trend analysis for particular season and identifying a theme for the collection; then creating a mood board and color board based on the theme, develop an entire range according to business plan and as per the theme board. After finalizing the range with the team, create technical packages for each style. Work with different teams to create a prototype design based on the technical packages. Evaluation of the sample and documentation of the same is also done by the designer.

ENGLISH COMMUNICATION SKILLS II (BVFD201-20)

SECTION – A

Prescribed Text: *The Poetic Palette*, Orient BlackSwan, 2013

1. Pippa's Song: Robert Browning
2. The Tyger: William Blake
3. Magic of Love: Helen Farries
4. The Charge of the Light Brigade: Alfred Tennyson
5. The Man He Killed: Thomas Hardy
6. Where the Mind is Without Fear: Rabindranath Tagore
7. The Soul's Prayer: Sarojini Naidu
8. The Work of Artifice: Marge Piercy
9. Whose English is it Anyway? John Agard
10. Poetry: Pablo Neruda

SECTION-B

Writing Skills

- a. Résumé writing with covering letter
- b. Report Writing: Analytical and Action Report

Grammar and Vocabulary

(a) Grammar:

Prescribed Text: *Oxford Practice Grammar* by John Eastwood, Oxford University Press, 2006 1. Ex. 76-96

(b) Vocabulary:

Prescribed Text: *The Students' Companion* by Wilfred D Best, Harper Collins Publishers, 2010

1. Antonyms: Pages 131 -132
2. Synonyms: Pages 135-136

FUNDAMENTALS OF COMPUTER (BVFD202-20)

UNIT: I

1. Introduction to computer: Block diagram of a computer, characteristics of computers and Generations of computers, Types of Software and Hardware.
2. Input/Output Devices, Memories: Main Memories – RAM, ROM and Secondary Storage Devices, hard disk, Compact Disk, DVD, Portable devices.
3. Computer Languages: Machine language, assembly language, high level language, Introduction to 4GL
4. Operating System; Introduction to windows, linux, MAC, Software Installation, Driver Installation, Working with control Panel, Window installation, Applications of Information technology and Trends: Business and industry, Education & training, Science & technology, IT & Entertainment, Current trends in IT, Introduction to Internet, Web Browser, Email.

UNIT: II

1. Number System: Introduction to number system, Concept of Bit & Byte, Binary, Decimal, hexadecimal, Octal systems and operations.
2. MS Word: Introduction, Menus, Shortcuts, Document types, Working with documents, Opening, Saving, Closing, Editing Document, Using toolbars, Formatting Documents- Setting font, paragraph, Spell check, Mail merge.
3. MS Power Point: Introduction, Presentation templates, presentation layout, creating presentation, setting presentation style, adding text, Formatting- Adding style, color, gradient fills, arranging objects.
4. MS Excel: Introduction, Spread sheet application, Menus, Toolbars and icons, Spreadsheet Opening, saving, closing, setting margins, spread sheet addressing, find, search, replace, inserting data cells, columns, rows and sheet, Computation Data, Setting formula.

References:

1. P S Salaria, Computer Fundamentals, Khanna Books Publishing Co. (P) Ltd.
2. P.K. Sinha and P.Sinha, Foundations of Computing, First Edition, BPB latest Edition.
3. Edward G. Martin, “Discovering Microsoft Office 2016”, Wiley Custom learning Solutions.
4. V. Rajaraman and Neharika Adabala, Fundamentals of Computer, 6th edition, PHI Learning Pvt. Ltd.
5. Kate Shoup, “Teach Yourself Visually Office 2010”, Visual.

FASHION MERCHANDISING (BVFDT203-20)

UNIT-I

1. Introduction to Retail, Marketing, Management and Merchandising, terminologies
2. Brand building-Introduction, strategies, image building, brand expansion, global trends
3. Marketing – Types, Four P's, Fashion promotion advantages, Trade shows, Market weeks, exhibitions, Fashion shows, Market survey and research
4. Types of merchandising, concepts, merchandise planning, sampling- Importance, counter sample.

UNIT-II

1. Fashion retailing-History, Scope, Importance, Types (Domestic and International), techniques, channel of distribution.
2. Visual Merchandising-Interior, exterior window display, store planning and layout- fixtures, location, lighting, dressing, props and promotions, masking and proscenia, mannequins and three dimensional dressing.
3. Retail merchandising, concept, quick response, Just –in-Time, merchandiser calendar, trend analysis, forecast analysis, concepts of apparel product line, planning, directing, coordinating and controlling.
4. Introduction to customer relationship management, measuring customer relationship, management, customer response, satisfaction, loyalty, customer relation and complaint.

Suggested Readings

1. Stone, Elaine. & Samples, J.A., Fashion Merchandising, Mc Graw Hill Book Co. New York
2. Swanson, Kristen K. & Everett, Judith C., Promotion in the Merchandising Environment, Fairchild Publications, New York.2000.
3. Rosenau, J. A., Wilson David L. David., Apparel Merchandising-The line starts here, Fairchild publications, New York.2006
4. Mehta, Pradeep., Managing Quality in the Apparel Industry, New Age International Pvt. Limited,2004
5. Green, Wood., Fashion Innovation and Marketing, Macmillan Press Ltd. London, 2003.
6. Kotler, P. Principles of Marketing, Prentice Hall, 2003.
7. Easey, M., Fashion marketing, Black well sciences Ltd., London, 1995.
8. Marketing management by Dr. Amit kumar.
9. Marketing management: Indian context Global perspective by V.S. Ramaswamy.
10. Marketing management by Rajan Saxena.
11. Marketing Management by R.S.N. Pillai and bagavathi.

DESIGN PROCESS (BVFDT204-20)

1. Design: Definition and importance.
2. Elements of design – line, shape, colour, size, texture, light, space
3. Principles of design – Balance, Rhythm, emphasis, harmony & proportion.
4. Colour : Classification, Color theories, Dimensions of color- Hue, Value & Intensity, Color schemes and color selection.
5. Structural and decorative design, types of design – natural, stylized, geometrical, and abstract.
6. Design process: Theme board, Inspiration board, Mood board, Color palette,
7. Fabric board, Specification sheet/ Tech. Packs, Illustrations.
8. Surface ornamentation: Introduction to various embellishments (Dyeing, printing, embroidery, etc.)
9. Understanding Fashion forecast from journals and magazines.
10. Presentation of any one article with detailed design concept.

References:

1. Gold Stein, “Art in Every day life”, IBH Publishing Co, Calcutta, 1992
2. Ireland, Patrick John, “Fashion Drawing and Presentation”, B.T. Batsford, London, 1996.
3. Elizabeth Drudi, T Pack, “Figure Drawing for Fashion”, The Pepin Press
4. Allen and Seaman, “Fashion Drawing- the Basic Principles”, B.T. Batsford, London, 1994.
5. Seaman, Julian, “Professional Fashion Illustration”, B.T. Batsford, London, 1995.
6. Drake and Nicholas, “Fashion Illustration”, Thames and Hudson, London, 1994
7. Abling Bina, “Fashion Sketch Book”.

FASHION ILLUSTRATION (BFVDT205-20)

1. To depict the following features of fashion based on the fashion forecast and to produce fashion illustrations on given themes.
2. Rendering: Different Fabrics (chiffons, crepes, denims, tweeds, corduroy, ikat, tie and dye fabrics, satin, spandex, laces and nets etc.), Colours and Textures.
3. Creation of textile prints starting from one motif leading towards print designs. Using the repeat in accessories for example: Scarves, stoles/ dupattas, mufflers etc.
4. Creating surfaces with emphasis on using various ornamentation techniques and making final collection of 5-7 varieties of textiles for articles. (theme based)
5. Fashion figure: 8 heads.
6. Depicting various silhouettes on fashion figures.
7. Illustrating Garment details- pockets, sleeves, yokes, skirts, trousers, tops etc.
8. Illustrating the detail of pleats, tucks, darts, yokes and godgets.
9. Detailing of hemlines and edgings.
10. Illustrating different types of fastenings, trimmings and accessories.
11. Illustrating details of ruffles, cowls, shirring, smocking, quilting, draping, gathers, pleats, frills and flounces.

This may involve sheet work, making of fabric lengths or garments.

References

1. Fashion Drawing—the Basic Principles by Anne Allen & Julian Seaman-B.T. Batsford,London.
2. Fashion Design Drawing & Presentation by Patrick John Ireland, 4th Edition, New Delhi, Om, 2005
3. Fashion Design Illustration Children by Patrick John Ireland- London, B.T. Batsford, 1995.
4. Illustrating Fashion by Kathryn Mckelvey & Janine Munslow-Blackwell Publishing Co.USA, 2007
5. New Fashion Illustration by Martin Dawber- Singapore: Page One-2005.
6. Fashion Source Book by Kathryn Mc Kelvey- 4th Edition, New Delhi, Om, 2005.
7. Fashion Sketchbook by Bina Abling, 4th Edition, New Delhi, Om, 2005.

GARMENT CONSTRUCTION II (BVFDT206-20)

1. Material exploration: fabrics, elements of design, accessories, notions.
2. Illustrate final concept with details: Specification sheet (knowledge on sewing and pattern making techniques to make tech packs), mood and story.
3. Final garment cost calculation (Cost sheet)
4. Presentation of complete design process through sheet work.
5. Development of final garment (with minimum 3 variations).
6. Evaluation of the sample.
7. Exhibit/ Showcase.

References

1. Armstrong, J., *Draping for Fashion Design*, Fair child Publication, New York.2004
2. *Basic Pattern Skills for Fashion Design* by Bernard Zamkoff, 1997, Fairchild Publication
3. Ernestine Koff, *Design Apparel through Flat Pattern*, 2006, Cole Publishing Co
4. *Fashion from Concept to Consumer* by Gini Sterphens Frings, N. Jersey, Prentice Hall C,1996.
5. Holman., *Pattern Cutting Made Easy: A step by step Introduction*, Om Publications
6. *Inside Fashion Design* by Sharon Lee, Harper & Row Pub., NY.
7. Pamela, C. Stringer., (1995). *Pattern Drafting for Dress Making*, Augustan Publishers & Distributors, Delhi
8. Relis, Nurie., & Jaffe, Hilde., *Draping for fashion Design*, Prentice Hall career Technology, New Jersey.1993.

ON JOB TRAINING (BVFDT-207-20)

Department Division: 30 days in Design House of Garment Manufacturing/Production Industry

Daily Diary/Log book: On daily basis students are required to make entries in the log book as per the assigned duties and responsibilities carried out on daily basis.

Training Report: Students are required to make two copies of training report (hard and soft) covering the Design Section **involving** developing fashion design briefs and design concepts for commercial production. create techpack for different style. Evaluation of the sample and documentation.

B.VOC. (FASHION DESIGN AND GARMENT TECHNOLOGY)

SEMESTER III

BVFDT301-20

INTRODUCTION TO FASHION INDUSTRY

Objective: Importance of this paper lies in the fact that it enables the student to develop a proper concept of fashion and its trends.

UNIT-I

1. Introduction to fashion: Definition, evolution, components and characteristics.
2. Terminologies of fashion: Fad, Style, Change, Acceptance, Taste, Classic, Design, Trend, Mass Fashion, Haute couture, Hi-fashion, Pret-a-porter, Silhouette, Knock-offs
3. Principles of Fashion and factors affecting fashion, fashion Cycle
4. fashion stores: departmental stores, chain stores, mill showrooms, factory outlets, catalogue retail stores, designer retail stores, document stores, franchise retail stores, boutiques, shop-in-shop.

UNIT-II

1. Theories of fashion adoption
2. Fashion Forecast: Emerging trends in the apparel industry, Roles and responsibilities of a production supervisor.
3. Industry regulations and organizational requirements: policies and procedures, importance of an entrepreneur, documentation (book keeping, inventory management).
4. Careers in Fashion Industry.

References:

- Armstrong, J. 2004, Draping for Fashion Design, Fair child Publication, New York.
- Gini Sterphens Frings, N. Jersey, Prentice Hall C (1996) Fashion from Concept to Consumer.
- Tortora, P. (2003) Dictionary of Fashion; charlotte mankey calasibetta.

BVFDT302-20
FABRIC FORMATION AND STRUCTURE

Objective:

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

UNIT-I

- Introduction to textile fibers. Terminology - Textile, fiber, yarn, staple and filament, Fabric.
- Sources and classification of fibers, general, physical and chemical properties of textile fibres.
- Cellulose fibers – Cotton; Protein fibers - Silk, wool.– Source, Production process, Microscopic appearance, Properties and End use.
- Synthetic fibers - Nylon, polyester - Source, Production process, Microscopic appearance, Properties and End use.
- Yarn production: filament and staple, yarn twist

UNIT-II

- Basic loom and its parts, Steps in weaving process
- Weaving: Classification, Features of plain weave - variation (rib and Basket), twill weave - variation (RHT, LHT and herringbone) and satin/sateen weave - variation. Fabric design and graphical representation of the above weaves.
- Introduction to knitting - classification, difference between weaving and knitting, single jersey, rib and purl knit. Properties of each stitch with loop diagrams.
- NonWovens: Introduction and definition of Felting and Bonding.
- Finishes: Classification and types of Finishes : Physical (calendaring, heat setting, napping, shearing, bleaching, desizing, scouring, degumming) and chemical (mercerizing, water proof, water repellent, flame proof, flame repellent)

References

- Bernard. P (1985) Textiles: Fiber to Fabric 6th Edition, Corbman,.International students' edition, McGRAW Hill International Edition book co Singapore.
- Randhawa. R (2010) Clothing, Textile and their Care, Pardeep publications.
- Kaur,N(2016) Comdex Fashion Design Vol-1 Fashion Concepts, Dreamtech press.
- Gohl. E.P.G., Vilensky. L.D. (2006) Textile Science 2nd Edition, CBS Publishers and Distributors
- Joseph.j.p. (1990) Fabric science, 5th edition Et.al. Fairchild publications, New York.

BVFDT303-20
SURFACE ORNAMENTATION I

Objective: Student acquires the basic knowledge of the appropriate tools and materials for hand embroidery and knowledge of transferring them on garments for designing.

- Introduction of appropriate tools, machines and materials for hand and machine embroidery work.
- Knowledge of Tracing design on various types of embroidery materials.
- Prepare a file of the following embroidery samples with their characteristics, special features and uses: Basic stitches (Including variations), stem stitch, chain stitch, back stitch, buttonholestitch, satin stitch, long and short stitch, herringbone stitch, French knots, couching, darning stitch, feather stitch, cross stitch, lazy daisy, fly stitch, bullion, chevron stitch.
- Development of samples - Applique, quilting, patch work, smocking, braiding, lace, ribbon.

References

- Thames. H (2017) Patchwork and quilting, A maker's guide.
- Haigh. J (1998) Crazy patchwork
- Thames and Hudson (2017) Embroidery, A maker's guide.
- Lawther. G (1995) Easy to make Applique
- Chainey. B, 1993) The essential Quilter.
- Anonymous (1993) The Merehurst book of Needlework, Leefung- Asco printers.
- Campbell-Harding. V (1994) Starting to stitch creatively, BT batsford ltd. London.
- Messenr. J(1996) World of embroidery, BT Batsford ltd. london

BVFDT304-20
TEXTILE SCIENCE

Objective: To familiarize students with textile testing methods and to impart knowledge of textile product assessment according to standards.

- Identification of different natural fibres - Cotton, silk, wool by physical (feel test, burning test and microscopic test).
- Identification of different man-made fibres - polyester, nylon by physical (feel test, burning test and microscopic test).
- Yarn testing - Objectives and procedure of testing yarn twist, twist direction, amount of twist and effects of twist on fabric properties, measurement of twist, yarn strength.
- Colour fastness of textiles - Terminology, objectives and procedure of testing colour fastness to laundering, rubbing, light and perspiration.
- Thread count
- Removal of common stains
 - Oil based stains
 - Proteins stains
 - Tannins stains
 - Mineral stains
 - Miscellaneous stains
- Care and maintenance of fabrics
- Fabric Care labels
- Fabric care symbols

References

- Randhawa, R, 2016, Clothing, Textile and their Care, Pardeep publications.
- Kaur,N, 2010, Comdex Fashion Design Vol-1 Fashion Concepts, Dreamtech press.
- Bhargav. P, Chand.T; 2005, Textile and laundry.
- Watson's, 2008, Textile and clothing.
- Gupta. S; 1999,Text book of Clothing and textiles.

BASICS OF COMPUTER APPLICATION

Objective: To provide some basic knowledge about computer and specific application of computer.

1. WINDOWS

Introduction, Basic Elements of Windows, Window Explorer, Creation of Folders and Shortcuts, Control Panel, Finding of Files and Customizing the Window.

II. MS-WORD

Activity 1:

- i. Create, open, save and close a document.
- ii. Typing, copying, moving and deleting data in word document.
- iii. Perform Save and Save as, Cut and Copy, Paste and Paste Special.

Activity 2:

Formatting of data in word Document: -

- i. Text formatting (font size, font style, font color, subscript, superscript, upper/lower case etc.)
- ii. Text Alignment and character spacing.
- iii. Indention and line spacing.
- iv. Border and shading.
- v. Bullets and Numbering

Activity 3:

- i. Find and replace and data sorting in a document.
- ii. Protect your document.
- iii. Add chart in word document. Create different types of Charts in word.
- iv. Set a size, margin, orientation of page, Hyphenation, Columns and Line Numbers in MS-Word.

Activity 4:

- i. Set Page Color, Page Border, Themes, and Watermarks in MS-Word.
- ii. Adding Tables, header/footers, pictures, page numbers and special symbols, Text Box in your word document.
- iii. Showing Ruler, Gridlines, Document Map, Thumbnails, Inserting Word Art, Drop Cap, Hyperlink, Equation etc. in word document

Activity 5:

- i. Arranging, splitting windows in MS-word?
- ii. Perform Mail-merge in MS-word.
- iii. Create and run Macros in MS-Word.
- iv. Set the print properties of a word document.

III. POWERPOINT

Activity 1:

- i. Create, open, save and close a Presentation.
- ii. Typing, copying, moving and deleting data in presentation.
- iii. New Slide, understanding Slide Layout, adding and deleting slides.

Activity 2:

Formatting of data in slides: -

- i. Text formatting (font size, font style, font color, subscript, superscript, upper/lower case etc.)
- ii. Text Alignment and character spacing.
- iii. Indention and line spacing.
- iv. Border and shading.
- v. Bullets and Numbering

Activity 3:

- i. Set a size, margin, orientation of slides in PowerPoint.
- ii. Adding Tables, header/footers, pictures, page numbers and special symbols, Text Box etc. in your presentation.

Activity 4:

- i. Adding Animation and Transition Effects in Slides, Understanding Slide Show
- ii. Presentation Views, Understanding Formatting commands in PowerPoint

Activity 5:

- i. Create and run Macros in PowerPoint.
- ii. Arranging, splitting windows in MS-PowerPoint.

IV. MS-Excel

Activity 1

- i. Create, open, save and close work book.
- ii. Create a new worksheet, renaming and moving sheet.
- iii. Entering, copying, moving and deleting data in cells and worksheets.
- iv. Insert and delete cells, columns and rows in MS-Excel.

Activity 2:

Formatting of data in cells: -

- i. Text formatting (font size, font style, font color, Cell border etc.)
- ii. Text Alignment.
- iii. Text Orientation, Text Direction, Text Control.

Activity 3:

- i. Find and replace data in a sheet.
- ii. Perform data sorting and data filtering in MS-Excel.
- iii. Protect your Worksheet and Workbook?
- iv. Enter and perform some basic formulas in MS-excel.

Activity 4:

- i. Perform some basic Functions in MS-Excel.
- ii. Create a chart in MS-Excel.
- iii. Create different types of Charts in excel.
- iv. Set a size, margin, orientation of page in Ms-Excel.
- v. The print properties of a worksheet in MS-Excel.

Activity 5:

- i. Hide and unhide row and column in MS-Excel.
- ii. Set column width and row height in MS-Excel.
- iii. Adding text Box, header/footers, pictures and special symbols in your worksheet.
- iv. Arranging, splitting and hiding windows in MS-Excel. And also freezing panes
Create and run Macros in MS-Excel.

V. INTRODUCTION TO INTERNET

Activity I:

- I. Introduction to internet, www, web browser, search engine.
- II. Creation of mail ID, writing mail, sending, attaching the documents, saving and retrieving the email.
- III. Application of internet in Fashion design.

References

- Salaria. P, Computer Fundamentals, Khanna Books Publishing Co. (P) Ltd.
- Sinha. P, Foundations of Computing, First Edition, BPB latest Edition.
- Srivastva. C, Fundamentals of Information Technology, Kalyani Publishers latest edition.
- Rajarama. V, Adabala. Neharika, Fundamentals of Computer, 6th edition, PHI Learning Pvt. Ltd.
- Gill. Nasib, Handbook of computer Fundamentals, 1st edition, Khanna Books Publishing Co. (P) Ltd.

BVFDT306-20

ON JOB TRAINING WITH AN APPAREL BOUTIQUE

Objective: The main aim of the training is to familiarize the students to the working of an apparel Boutique. The students should be able to practically understand what they have learned in classroom.

- Students will be asked to go for training.
- Students shall assess the work problem during the internship and submit a report there on at the end of the semester after detailed review, carrying out research and proposing necessary solutions, on dates announced by the Institute/department.
- The guidelines for training will be provided by the institute /department.
- A team consisting of Internal & External experts will evaluate the report and conduct the Viva Voce at the end of the Semester.

B.VOC. (FASHION DESIGN AND GARMENT TECHNOLOGY)

SEMESTER V

BVFDT501-20

FASHION COMMUNICATION

Objective: To develop knowledge on evolving scope of fashion communication and marketing and to understand the concept of media in fashion communication.

UNIT-I

1. Communication - Definition, Types, Communication Process.
2. Barriers to Communication.
3. Oral Communication- Face to Face, Teleconferencing - Telephone, Voice Mail.
4. Written Communication – Creative writing, Business Writing, Steps in Effective Writing.

UNIT-II

5. Advertisement–Objectives, Functions and Types: Ads in Magazines, Online Ads, and Brand Promotion (Print Media, Online Media, Broadcast Media).
6. Public Relation - Objectives, Functions and Types
7. Fashion Journalism – Introduction and Purpose.
8. Fashion Writing - Introduction, Key Elements Of Writing (Purpose, Audience, Clarity, Unity, Coherence) Journal Writing, Blog Writing.

References

- Jay & Ellen Diamond, “Fashion Advertising & Promotion”, Fairchild, 1999.
- Kristen K Swanson, “Writing for Fashion Business”, Fairchild Books Publishers, 2008.
- Malcolm Barnard, “Fashion as Communication”, Routledge Publishers, 2002.
- Varinder Kumar, Bodh Raj, “Business Communication”, Kalyani Publishers, 2nd edition, 2010.
- Tony Harcup, “Journalism Principles & Practices”, Sage South Asia, 2nd edition, 2009.

BVFDT502-20

APPAREL INDUSTRY AND QUALITY CONTROL

Objective: To acquaint the students about – Quality control, labeling and packaging. Special purpose machines in Apparel Industry and Various Laws and Regulations related to textiles

UNIT-I

- Quality - Definition of quality, dimensions of quality, quality planning and importance of quality, evolution of quality system.
- TQM principles - Customer satisfaction, customer perception of quality, intrinsic and extrinsic quality, service quality, customer retention, continuous process improvement, Juran Trilogy, PDCA cycle, 5S, Kaizen, 6 sigma
- Managing quality - Traditional vs modern quality management, quality control and quality assurance.
- Importance of quality control in garment industry, fabric inspection, identification of woven and processing defects, 4 point and 10 point system, IPQC (In process quality control), AQL standards, zero defects, JIT, poka-yoke and quality circle.

UNIT-II

- Labeling- Types of labels and information provided by labels, Care labels, International care labeling system, Japan/Canada/British care labeling system, eco labels.
- Organisation and operation (work flow) of an Apparel manufacturing unit.
- Current Indian Export and India's position in world export market, Occupational Health hazards and safety Quality control in Apparel industry.
- Quality standard and certification - Need for ISO 9000, major elements in ISO 9001-2000, internal auditing, Environmental Management System - ISO 14000 series standards and other quality management standards of apparel industry, AATCC, ASTM standards, significance and importance of the same.

References

- Chuter A J, "Introduction to Clothing Production Management", Wiley India Pvt. Ltd., 2nd edition, 2011.
- Gerry Cooklin, "Introduction to Clothing Manufacture", Blackwell Science, UK, 1991.
- Harold Carr & Barbara Latham, "The Technology of Clothing Manufacture", Oxford Publications, ITSA, 1994.
- Pradip V Mehta, "Quality Control in Apparel Industry", NIFT Publications, New Delhi, 2001.
- Pradip V Mehta, "An Introduction to Quality Control for the Apparel Industry", CRC Press, 1st edition, 1992.
- Ruth E Glock, "Apparel Manufacturing & Sewn Product Analysis", Pearson Education, 4th edition, 2005.
- Bharadwaj. S, Mehta. P, Managing quality, New Age Publishers-Delhi.
- ISO 9000- Textile Committee Mohali.

BVFDT503-20
APPAREL PRODUCTION MANAGEMENT

Objective: To introduce various departments of an apparel industry. To impart skills in apparel production in an industrial set-up.

UNIT-I

- Introduction to apparel production - fabric and accessory sourcing, season forecasting, trend analysis.
- Sampling department - Importance of sampling department, objectives, types of sample - prototype, fit sample, PP sample, size set, production and shipment sample etc. Introduction to spec-sheet and its importance, technical design reading, tech-pack analysis and objective, creating tech-pack. Seams - types, end use, seam dimension, performance as per ASTM standards.
- Cutting department - Machineries, fabric spreading, pattern laying, marker preparation, cutting, sorting, numbering and bundling.
- Fusing department- Interlining and interfacing- Introduction, materials, types, properties,application, methods of fusing and fusing machineries

UNIT-II

- Apparel production department - Selection of production system - progressive bundle system, unit production system, modular manufacturing and piece work. Production planning, lean manufacturing process.
- Finishing and apparel accessories - Fasteners, labels, support materials, decorative trims, tapes and packing materials.
- Pressing department, trimming department and packing department.
- Introduction to export procedure and documentation, objectives, terminologies, principal documents, auxiliary documents, ECGC, quality control, pre-shipment inspection, export credit, negotiation of bills, payment procedures in export trade.

References

- Randhawa, R, 2016, Clothing, Textile and their Care, Pardeep publications.
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- Paula J, Myers-Mcdevitt, "Apparel Production Management and the Technical Package", Fair Child Publications, 2010.
- Ruth E. Glock, Grace I. Kunz, "Apparel Manufacturing Sewn Product Analysis", Pearson/Prentice Hall, 2005
- Kumar, K, 2010, Apparel Merchandising, Abhishek publications.
- Harold Carr & Barbara Latham, "The Technology of Clothing Manufacture", Oxford Publications, USA, 1994.

BVFDT504-20
BASICS OF COREL DRAW

Objective: To introduce the student to the basic tools of Corel draw and to expose them to contemporary computer design tools for Fashion design and technology. To prepare the student to be an effective user of a computer aided design system.

1. Getting Started with Corel Draw
 - Introduction to Corel draw
 - Features of Corel Draw
 - Corel Draw Interface
 - Exploring the CorelDraw Screen
 - Inserting and Deleting Pages, Changing Page, Customizing Options
 - Moving from Adobe illustrations to Corel Draw
 - Exploring Tool Box
2. Drawing and shaping objects, selecting objects, creating basic shapes, reshaping objects.
3. Organizing objects, Applying color fills and outlines
4. Mastering with Text, Text tool Artistic and paragraph text, Formatting text, Embedding objects in texts, wrapping texts around objects.
5. Use of freehand tools
6. Applying of effects, contour effects, lens effect, Transparency.
7. Creation of logos, various types of print designs.
8. Design pamphlets, posters, invitation cards, greeting cards, wrappers and advertisements.

References

- Microsoft office 2010 for Dummies, “Wallace Wang”, Wiley India Pvt. Limited, 2010.
- X5 In Simple Steps, ”Kogent Learning Solutions Inc”, Wiley India Pvt. Limited, 2011.
- Photoshop Cs2 (savvy), By Romaniello
- P S Salaria, Computer Fundamentals, Khanna Books Publishing Co. (P) Ltd.
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- Nasib Singh Gill, Handbook of computer Fundamentals, 1st edition, Khanna Books Publishing Co. (P) Ltd.

BVFDT505-20
SURFACE ORNAMENTATION- II

Objective: A student should be able to perform various dyeing and printing techniques and apply that knowledge into his/her designing.

1. Creating sample designs on fabrics through dyeing and printing process:
 - Tie and dye
 - Stencil
 - block
2. Developing innovative techniques in hand painting (colour blending)
3. Creating various fabric surfaces using various surface ornamentation techniques.

References

- Stein.S (2010) The complete photo guide to Textile Art, creative publishing international.
- Kennedy. J, Varrall .J(1994)Everything you ever wanted to know about Fabric painting,BT Batsford ltd.london.

BVFDT506-20

ON JOB TRAINING IN SMALL TO MEDIUM SCALE GARMENT MANUFACTURING UNIT

Objective: The main aim of the training is to familiarize the students to the working of an apparel industry. The students should be able to practically understand what they have learned in classroom.

- Students will be asked to go for training.
- Students shall assess the work problem during the internship and submit a report thereon at the end of the semester after detailed review, carrying out research and proposing necessary solutions, on dates announced by the Institute/department
- The guidelines for training will be provided by the institute /department.
- A team consisting of Internal & External experts will evaluate the report and conduct the Viva Voce at the end of the Semester.