



KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE – 638 107

B.Sc (Costume Design & Fashion) - Vocational



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2019-2020



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SYLLABUS

Sem	Course Code	CORE PAPER - VIII KNITTING TECHNOLOGY	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75		
V	17UASCT501				6	5

OBJECTIVES:

- To enable the students to learn about basics of knitting
- To impart knowledge on knit structures
- To understand the concepts of knit fabric formation

COURSE OUTCOME:

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

- CO1 Understand the basics of knitting and knit structures
- CO2 Summarize the characteristics and working principle of weft knitting
- CO3 Illustrate the structures of weft knitting
- CO4 Elaborate the working principle of warp knit structures
- CO5 Develop knowledge on maintenance of knit materials

UNIT - I

Knitting - Definition, History of knitting, Characteristics of knitted goods. Comparison of Weaving and Knitting. Types of knitting - Hand knitting and machine knitting. Terms and definitions used in knitting. Classification of warp and weft knitting machines.

UNIT - II

Weft knitting – Classification of weft knit structures. Parts of weft knitting machine. Characteristics of Plain, Rib, Purl and Interlock structures. Working of Single Jersey, Rib, Purl Interlock circular knitting machines. End uses of weft knit fabrics.

UNIT - III

Symbolic representation of Weft knit structures - Plain, Rib, Purl and knit structures. Effect of knit, tuck and float stitches on fabric properties. Jacquard knitting - Pattern wheel, Pattern drum, Tape patterning device, Electronic devices.

UNIT - IV

Warp knitting - Classification of Warp knit structures. Working of Tricot, Raschel, Simplex and Milanese knitting machines. End uses of warp knit fabrics.

UNIT - V

Yarn quality requirements for knitting. Defects in knitted fabrics - causes and remedies. Care and maintenance of knitted material – Blocking, Pressing, Damp finishing, Cleaning and Storing.



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TEXT BOOK:

- Knitting Technology, David Spencer, Woodhead publishing limited, England (2001).


BOOKS FOR REFERENCE:

1. Knitting Technology, D.B.Ajgoankar, Universal Publishing Corporation, Mumbai (1998).
2. Knitted Clothing Technology, Terry Brackenbury, Blackwell Science Ltd., Australia, (1992).
3. Textiles - Fibre to Fabric, Corbman B P , International Student's Edition, McGraw Hill Book Co., Singapore (1985).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks Answer any three Questions One Question from each unit


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Sem	Course Code	CORE PAPER – IX TEXTILE PROCESSING	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75		
V	17UASCT502				5	4

OBJECTIVES:

- To enable the students to learn the preparatory steps of processing
- To impart knowledge on various dyeing techniques
- To provide the details of different printing style

COURSE OUTCOME:

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

- CO1 Understand the sequence of textile processing
- CO2 Analyze various chemicals used in the preparatory and dyeing processes
- CO3 Understand the working of dyeing machineries
- CO4 Perceive knowledge on various principles of printing process
- CO5 State the methods of application of finishes

UNIT - I

Production sequence of textile fabrics - flowchart - brief description; Fabric Preparation - Singeing, Desizing, Scouring, Synthetic fiber heat setting, Wool carbonizing, Degumming and Weighting of silk.

UNIT - II

Bleaching - methods - Hypochlorite, Hydrogen peroxide, Sodium Chlorite; Mercerization - Chain type - Chainless Mercerization; Dyeing – classification, properties of dyes - direct, vat, reactive, acid, basic, sulphur dyes; Natural dyes - types and colours commonly used and its significance.

UNIT - III

Stages of dyeing - different methods - Fibre Dyeing - Methods - Stock Dyeing , Top Dyeing; Yarn Dyeing - Methods - Skein Dyeing , Package Dyeing, Warp Beam Dyeing; Fabric Dyeing - Open width Dyeing, Rope form Dyeing; Garment Dyeing - Methods - Exhaust Process, Continuous Process.

UNIT - IV

Printing - Definition - Preparation of printing paste; Styles of Printing - Direct Printing - Block, Roller, Rotary, Screen; Stencil printing; Resist printing - Batik, Tie and Dye printing; Discharge Printing; Heat Transfer printing; Digital printing.



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UNIT - V

Finishing – Types of finish: Mechanical finishes - Luster, Drape, Texture; Functional finishes - Wrinkle free finishes, Water Repellant, Flame Retardant, Soil Release finish; Special Purpose finish - Anti Bacterial finish, Silicone finish, Denim finish, Phase Change Finish.

TEXT BOOK:

- Understanding Textiles, Sixth Edition, Billie J. Collier and Phyllis G.Tortora, Prentice Hall Inc., New Jersey (2001).

BOOKS FOR REFERENCE:

1. Textiles, Ninth Edition, Sara J. Kadolph and Anna L. Langford, Prentice Hall Inc., New Jersey (2002).
2. The complete Technology book on Textile Processing with Effluents Treatment, NIIR Board, Asia Pacific business Press Inc., Delhi, India (1998).
3. Textile Finishing, Dr.N.Nalankilli and S.Jayaprakasam, S.S.M Institute of Textile Technology, S.S.M.I.I.T Staffs and Students Co-operative Stores, Komarapalayam, Tamilnadu, India (1997).
4. Technology of Textile Processing, Vol.VI, Dr.V.A.Shenai, Sevak Publications, Mumbai, India (1997).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
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Sem	Course Code	CORE PRACTICAL - VI FABRIC STRUCTURE ANALYSIS	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE: 60		
V	17UASCP503				4	3

OBJECTIVES:

- To enable the students to identify various weaves and knit structures
- To educate on the elements of woven designs
- To impart knowledge on representation of knits

COURSE OUTCOME:

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

- CO1 Identify and represent plain weave and its derivatives on point paper
- CO2 Identify and represent twill weave and its derivatives on point paper
- CO3 Identify and represent the structures of toweling fabrics on point paper
- CO4 Identify and represent the compound weaves on point paper
- CO5 Identify and analyze the structure of basic knits

UNIT - I**Identification of Woven sample, Design, Draft, Peg plan and necessary calculations:**

- Plain weave
- Warp Rib
- Weft Rib
- Matt Rib

UNIT - II**Identification of Woven sample, Design, Draft and Peg plan and necessary calculations:**

- Ordinary Twill
- Pointed Twill
- Satin
- Sateen

UNIT - III**Identification of Woven sample, Design, Draft and Peg plan and necessary calculations:**

- Huck a back
- Honeycomb
- Mock leno weave



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UNIT - IV

Identification of Woven sample, Design, Draft and Peg plan and necessary calculations:

- Terry pile
- Extra figuring
- Double cloth

UNIT - V

Identification of Knitted sample, its various representations and necessary calculations:

- Plain Knit
- Rib Knit
- Interlock
- Tricot
- Raschel


BOOKS FOR REFERENCE:

1. Watson's Textile Design and Colour. Z J Grosicki, Woodhead Publishing Limited, England (2004).
2. Knitting Technology, D.B.Ajgoankar, Universal Publishing Corporation, Mumbai (1998).



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Sem	Course Code	CORE PRACTICAL – VIII FASHION PORTFOLIO PRESENTATION	Total Marks : 100		Hours Per Week	Credits
VI	17UASCP602		CIA : 40	ESE: 60	4	4

OBJECTIVES:

- To introduce students the rudiments of sketching and its concepts
- To develop the ability to perform higher order thinking skills in the areas of fashion
- To get acquainted to develop fashion ensembles through research on selected themes by a design process

COURSE OUTCOME:

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

- CO1 Infer the concepts of fashion portfolios
- CO2 Develop skills in making mood boards
- CO3 Analyze and create design styles for various themes
- CO4 Gain new insights through universal colouring system and fabric textures
- CO5 Exhibit the innovative design collections based on selected themes

Design and develop Fashion Portfolios (4 themes) with the following boards;

1. Designer profile, Customer profile and Name board
2. Mind map and Mood board
3. Flat sketches (Minimum 4 for a theme)
4. Fabric board, Colour board and Accessory board
5. Story board and Photographic board

BOOKS FOR REFERENCE:

1. Fashion Rendering, Ranjana Singhal and Kannaki Bharali, Om Books International, Uttar Pradesh, India (2010).
2. Professional Fashion Illustration, Julian Seaman, B.T.Batsford Limited, London (1995).
3. Essential Fashion Illustration Colour and Medium, PacoAsensio, Rockpot Publishers, United States of America (2008).
4. Design Portfolio - Moving from Traditional to Digital, Diane M.Bender, Fairchild Books, Inc., New York (2008).



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Sem	Course Code	ELECTIVE PAPER – I A FASHION PRODUCT DEVELOPMENT AND MARKETING	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE : 75	5	
V	17UASET505					4

OBJECTIVES:

- To enable the students to learn the terminologies and concepts related to fashion Product development
- To introduce various aspects of fashion market levels
- To know various types of fashion products

COURSE OUTCOME:

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

- CO1 Pursue a professional career in designing and developing fashion products
- CO2 Understand the activities involved in Line concept development and Design development process
- CO3 Familiarize with Line product development process
- CO4 Introduce the fashion marketing environment
- CO5 Understand the market levels in fashion industry

UNIT - I

Fashion product – Definition , Functions and Categories of a new product. The role of design in new product development. New product development process and stages – Types of fashion products. Criteria for evaluating garments.

UNIT - II

Line concept development process – Seasonal product lines , Calendar development – Marketing calendar, Merchandising calendar, Market research, Product trend analysis .

Design development process - Themes, Fabrications, Styles/ Bodice, Colour palettes, Sizes.

UNIT - III

Line Product Development process - Samples, Line sheets, Style adoption, Product specifications, Product quality, Spec book, Fabric Sourcing, Prototyping, Pre costing, Final costing, Line release. Study on sustainable fashion product development process.



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UNIT - IV

Fashion Marketing – Definition, Size and Structure. Functions and Process involved in fashion marketing. Fashion Marketing environment – Micro and Macro marketing environment. Trends in marketing environment .

UNIT –V

Study on Market levels in the fashion industry - Value market, Mass market High street, Mid level high street, High end high street brands, Diffusion brands, Luxury brands – Ready To wear, Haute Couture, Handmade, Bespoke / Made To Measure, Designer wear or clothing, Independent designer labels, Casual wear and sportswear brands, Supermarkets.

TEXT BOOKS:

- Merchandising of Fashion Products, Doris .H. Kincade and Fay Y. Gibson Dorling Kindersley India Pvt. Ltd., 2012. (Units –I, II and III).
- Fashion Marketing, Mike Easey, A. John Wiley and Sons, Ltd., Publication, 2009. (Units - IV and V)

BOOKS FOR REFERENCE:

1. The Business of Fashion, Third Edition, Leslie Davis Burns. Nanacy O. Bryant. Fairchild Publications, New York (2007).
2. Apparel Merchandising, Second Edition, Jeremy A. Rosenau and David L. Wilson, Fairchild Publications, USA (2006).

QUESTION PAPER PATTERN		
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Sem	Course Code	SKILL BASED – IV CAD IN FASHION DESIGNING PRACTICAL - IV	Total Marks : 75		Hours Per Week	Credits
			CIA : 30	ESE: 45		
VI	17UASSP610				5	3

OBJECTIVES:

- To familiarize the students with textile design software
- To acquaint the students with the various tools used for designing
- To gain knowledge on tools used in Adobe Illustrator

COURSE OUTCOME:

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

- CO1 Create various weaves and colour combinations
- CO2 Apply practical knowledge on creation of designs
- CO3 Experiment with tools for creating Jacquard weaves
- CO4 Understand the basics of Adobe Illustrator
- CO5 Elaborate the role of Illustrator in dress design

UNIT - I**Weave:**

- Creation of various weaves
- Plain, Twill, Satin, Honeycomb, Huck a back weaves, fancy weaves
- Creation of various stripes, checks, plaids designs
- Application of colours
- Fabric Simulation

UNIT - II**Design and repeat:**

- Creation of designs
- Tracing of designs
- Repeat setting
- Changing of repeat
- Application of colours

UNIT - III**Jacquard:**

- Creation of designs
- Tracing of designs
- Repeat setting
- Application of colours
- Application of weaves



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UNIT - IV

Adobe Illustrator:

- Creation of logos
- Creation of designs
- Tracing of designs
- Text effects
- Photo effects

UNIT - V

Garment Sketch in Illustrator:

- Garment flats- Men
- Garment flats- Women
- Garment flats- Children
- Garment colour combinations
- Story board

BOOKS FOR REFERENCE:

1. Fashion Designers Handbook for Adobe Illustrator, Marianne Center and Frances Vereker, Blackwell Publications, USA (2007).
2. Creative Fashion Design with Illustrator, Kevin Tallon, Batsford Ltd., United Kingdom (2006).



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ACTIVITIES



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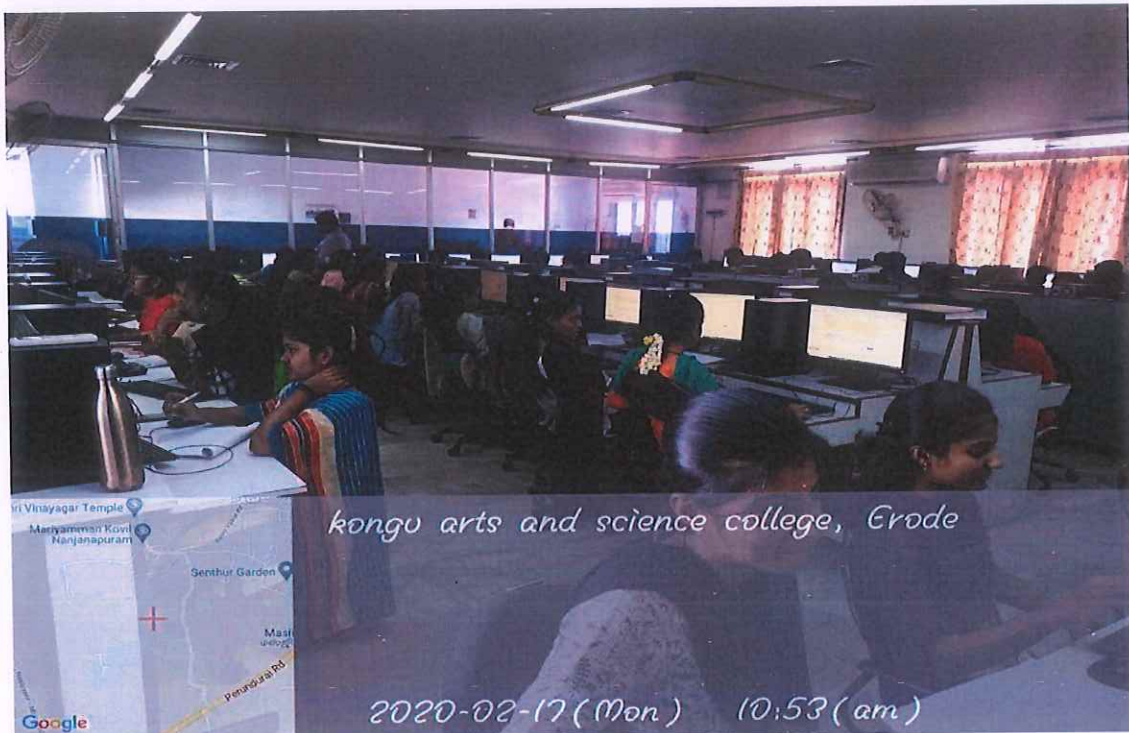
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DEPARTMENT OF COSTUME DESIGN AND FASHION

WORKSHOP ON DIGITAL MARKETING

The Department of Costume Design and Fashion organized a workshop on “Digital Marketing” by M/s, Accent Techno Soft, Coimbatore on 17.02.2020. The objective of this workshop is to give insight on digital marketing and its advancements to the students. The Resource person highlighted about the knowledge base on digital marketing. The queries of the participants were clarified at the end of the workshop.



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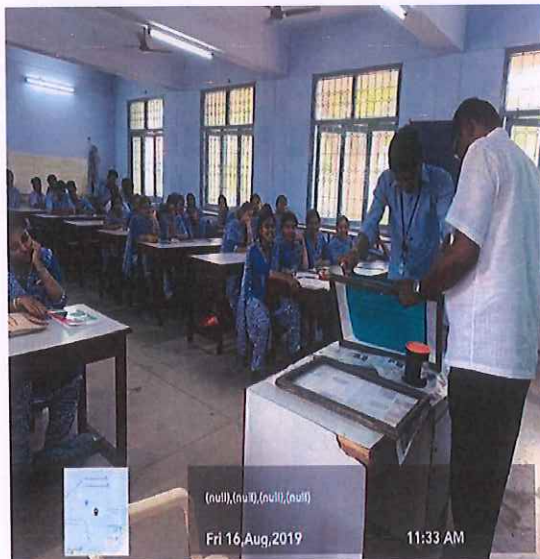
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DEPARTMENT OF COSTUME DESIGN AND FASHION

WORKSHOP ON SCREEN PRINTING

The Department of Costume Design and Fashion organized a workshop on “**Screen Printing**” by **Mr. Vijay Anand, Anand Textiles, Tirupur** on 16.08.2019. The objective of this workshop is to impart knowledge on the Screen printing techniques. This workshop was attended by III year UG and I PG students of our department.



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