



UNIVERSITY OF CALICUT

Abstract

B.Sc in Home Science (Textiles and Fashion Technology)-CUCBCSS UG 2014-Scheme and Syllabus- w.e.f 2015 Admissions- adding certain subjects of Vth semester practicals in the VIth semester- Change in Course codes-U.O modified-Erratum issued.

G & A - IV - J

U.O.No. 8956/2018/Admn

Dated, Calicut University.P.O, 26.07.2018

*Read:-*1. U.O.No. 4981/2016/Admn dated 22.04.2016.

2. Request of Chairperson Board of Studies in Home Science dated 19.05.2018

3. Minutes of Faculty of Science held on 30.06.2018 vide item No.IV

4. Item No. II H of the Extract of the Minutes of LXXVIII meeting of the Academic Council held on 18.07.2018

5. Orders of the Vice Chancellor in the file No.191466 dtd.24.07.2018

ORDER

The following erratum has been issued to the U.O read as (1).

ERRATUM

The course codes mentioned as **HTF5BO5(P) PRACTICAL-II TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION**, **HTF5BO6 (P) PRACTICAL-III FASHION PRESENTATION**, **HTF5B08 (P) PRACTICAL-IV CONCEPTS OF FASHION DESIGN** and **HTF5PR PROJECT** shall be changed to **HTF6BO5(P) PRACTICAL-II TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION** , **HTF6BO6 (P) PRACTICAL-III FASHION PRESENTATION** , **HTF6B08 (P) PRACTICAL-IV CONCEPTS OF FASHION DESIGN** and **HTF6 B13PR PROJECT** respectively. These subjects (V semester Practicals) to be included in the examinations of VI semester BSc Home Science for 2015 admission onwards.

U.O.No.4981/2016/Admn dated 22.04.2016 modified to this extent.

Orders are issued accordingly. Modified syllabus appended.

Ajitha P.P

Joint Registrar

To

All affiliated colleges, Contoller of Examinations, Director SDE, JCE 4.Digitalwing

Forwarded / By Order

Section Officer

B.Sc. HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

B.Sc. HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

CORE COURSE STRUCTURE

TOTAL CREDITS : 56 (Internal: 20%; External: 80%)

| SEM | COURSE CODE | COURSE TITLE | HRS/WEEK | TOTAL HRS | CREDIT | MARKS |
|-----|-------------|--|----------|-----------|--------|-------|
| I | HTF1B01 | CORE COURSE I- HISTORIC COSTUMES | 4 | 72 | 2 | 100 |
| II | HTF2B02 | CORE COURSE II- FASHION MARKETING AND SHOP FLOOR MANAGEMENT | 4 | 72 | 2 | 100 |
| III | HTF3B03 | CORE COURSE III- COMPUTER AIDED FASHION DESIGN | 3 | 54 | 2 | 100 |
| | HTF3B03(P) | PRACTICAL - COMPUTER AIDED FASHION DESIGN | 2 | 36 | - | - |
| IV | HTF4B04 | CORE COURSE IV- GARMENT CONSTRUCTION AND PATTERN MAKING | 3 | 54 | 2 | 100 |
| | HTF4B04(P) | PRACTICAL I- GARMENT CONSTRUCTION AND PATTERN MAKING | 2 | 36 | 4 | 100 |
| V | HTF5B05 | CORE COURSE V- TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION | 3 | 54 | 3 | 100 |
| | HTF5B05(P) | PRACTICAL II- TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION | 4 | 72 | 2* | 50 |
| | HTF5B06 | CORE COURSE VI- FASHION PRESENTATION | 2 | 72 | 2 | 100 |
| | HTF5B06(P) | PRACTICAL III- | 2 | 36 | 2* | 100 |

| | | | | | | |
|--|-------------------|---|----------|-----------|-----------|------------|
| | | FASHION PRESENTATION | | | | |
| | HTF5B07 | CORE COURSE VII- GARMENT COSTING | 4 | 72 | 4 | 100 |
| | HTF5B08 | CORE COURSE VIII- CONCEPTS OF FASHION DESIGN | 2 | 36 | 2 | 100 |
| | HTF5B08(P) | PRACTICAL IV- CONCEPTS OF FASHION DESIGN | 4 | 72 | 2* | 50 |
| | HTF5 PR | PROJECT | 2 | 36 | 2 | 50 |

| SEM | COURSE CODE | COURSE TITLE | HRS/WEEK | TOTAL HRS | CREDIT | MARKS |
|-------|--------------------|--|----------|-----------|--------|-------|
| VI | HTF6B09 | CORE COURSE IX-TEXTILE SCIENCE | 5 | 80 | 5 | 100 |
| | HTF6B09(P) | PRACTICAL V-TEXTILE SCIENCE | 4 | 72 | 5 | 100 |
| | HTF6B10 | CORE COURSE X-APPAREL PRODUCTION AND QUALITY CONTROL | 5 | 80 | 5 | 100 |
| | HTF6B10(P) | PRACTICAL VI-APPAREL PRODUCTION AND QUALITY CONTROL | 4 | 72 | 5 | 100 |
| | HTF6B11 | CORE COURSE XI-SOCIOLOGY OF FASHION | 4 | 72 | 2 | 100 |
| | ELECTIVE COURSES** | | | | | |
| | HTF6B12 (E1) | ENTREPRENEURSHIP MANAGEMENT | 3 | 54 | 3 | 100 |
| | HTF6B12 (E2) | EXTENSION AND COMMUNICATION | | | | |
| | HTF6B12 (E3) | QUANTITY FOOD PREPARATION TECHNIQUES | | | | |
| TOTAL | | | | | 56 | 1750 |

*Exam will be held at the end of 6th semester

*An institution can choose any one among the three courses

| | | | | | | |
|-------|-------------|--------------------------------------|---|----|----|------|
| | OPEN COURSE | | | | | |
| | FSC5D01 | FOOD SCIENCE AND BASIC COOKERY | 2 | 36 | 2 | 50 |
| | FCS5D02 | INTERIOR DECORATION | | | | |
| | FCS5D03 | TEXTILES AND APPAREL DESIGNING | | | | |
| TOTAL | | | | | 58 | 1800 |

CORE COURSES

SEMESTER I

HTF1B01 HISTORIC COSTUMES

HOURS/WEEK : 4

CREDIT- 2

OBJECTIVES

1. To acquaint students with different types of costumes.
2. To enhance the students' knowledge regarding accessories and Jewellery of different eras.

UNIT 1

Introduction to origin & functions of clothing. Indus Valley civilization, Vedic age

UNIT 2

Middle Ages-Mauryan, Guptas, Satavahanas, Kushans- costumes, hairstyles and accessories.
Mughal Influence

UNIT 3

Costumes of the world – Egyptian, Roman, Greek, Japanese, American, French- men and women- costumes, accessories and footwear.

UNIT 4

Costumes of the different regions in India.

REFERENCES

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

SEMESTER II

HTF2B02 FASHION MARKETING AND SHOP FLOOR MANAGEMENT

HOURS/WEEK: 4

CREDIT: 2

OBJECTIVES :

1. To increase awareness of the students regarding marketing
2. To study and analyse the fashion market
3. To understand the marketing process

UNIT 1

Introduction to Merchandising, Fashion Marketing, Fashion forecasting – Process, sources of fashion forecasting information. Role of Merchandiser, product development & product cycle. Types of merchandising. Export documentation – export marketing, global scenario. Importance of textile industry in Indian economy

UNIT 2

Channels of Distribution. Pre- buying activity, fabric types, properties and behaviour, selection of fabric, quality requirements, quality problems.

UNIT 3

Promotional Activities of Govt. Organization. Domestic & Export Market Environment, International Market Environment.

UNIT 4

Costing – Basic Costing, importance, types, merits & demerits; Domestic & Export Pricing, merits & demerits.

UNIT 5

Advertising- scope, importance, types, merits & demerits; sales promotion, personal selling. Retail management-- introduction, different retail operations, factors affecting retailing.

UNIT -6

Introduction to shop floor management and terminologies. The Store Window display, Exterior of store, Illumination. Masking and Proscenia Mannequins and 3D Dressing. Props & promotions on floor. Visual merchandising and colour palletes.

UNIT 7

Store interior planning – Store interiors and display locations, fixture & dressings, Purchase display systems.

Store management – types of stores, planning, layout and storing
Inventory control – definition, types, importance, remedies.

REFERENCES

1. Fashion Marketing, Mike Easey 1995, Oxford University press to Wynford Drive, Don Mills, Ontario.
2. Blythe Jim. Marketing Communication, Pearson Education. 2000.
3. Costabtino Maria. Fashion Marketing and PR. Bt Batsford Ltd. 1998.
4. Koiter. Marketing Management. Pearson Education. 2003.
5. Mike Easey. Fashion Marketing. Blackwell Science. 2002

SEMESTER III

HTF3B03 COMPUTER AIDED FASHION DESIGN

HOURS/WEEK: 3

CREDIT: 2

OBJECTIVES:

1. To teach the students software essential for their design needs

UNIT 1

Introduction to computers – Organization of computers – Input unit – Output unit – Central Processing Unit – Memory device. Working principles of Printer- Scanner- Digitizer – Plotters.

UNIT 2

Computer applications in printing – Colour reduction – Screen preparation – Simulation techniques.

Introduction to adobe photoshop, adobe illustrator, corel draw

UNIT 3

Computer application in fashion designing – design creation- theme rendering – 3D modeling – body scanning – texture mapping – design studio – fashion studio – fashion multimedia concepts.

UNIT 4

Computer application in pattern making – grading – marker planning – laying – cutting – labeling – duplicating.

UNIT 5

Study of Computer Aided Manufacturing - Computer Integrated Manufacturing - Computerized Embroidery - Brief study on design software used in industries.

REFERENCES

1. CAD/CAM computer aided design and manufacture, Groover MP and E.W.Zinimmers, prentic hall, India 1984.
2. Computer aided design and manufacture, Bezant C.E, Ellis Horwood, England,1983.
3. CAD in clothing and textiles, Winfred Aldrich, Blackwel science, 1994.
4. Computers in fashion industry, Taylor P, Heinemann publications 1990.
5. Automation in the textile industry from fibers to apparels, Buhanan and Graddy, The Textile Institute,UK 1995.
6. Computer aided drafting and design –concept and application, Veinsinet DO, 1987.

SEMESTER III
HTF3B03 (P) PRACTICAL -COMPUTER AIDED FASHION DESIGN

HOURS/WEEK: 2

CREDIT: 0

OBJECTIVES:

To teach the students software essential for their design needs.

UNIT 1

MS office and Internet knowledge

UNIT 2

Adobe Illustrator

UNIT 3

Adobe Photoshop

UNIT 4

Corel Draw

Creating mood board and colour board, spec drawing, draping garments on croquis, colour rendering of garments, textile designing, accessory designing and Layout planning while creating portfolio

SUGGESTED READING

1. Adobe Illustrator CS4 on demand –Steve Johnson-Que, Pairson Publications,Noida
2. Fashion Designer's Handbook for Adobe Illustrator-Marianne Centner & Frances Vereker ,Prentice Hall.
3. Adobe Photoshop CS 5 class room in a Book-Adobe Creative Team- Adobe Press.com
4. The corel Draw Wow! Book-Linnea Dayton, Shane Hunt and Sharon Steuer-Addison – Wesley, Texas.

SEMESTER IV
HTF4B04 GARMENT CONSTRUCTION AND PATTERN MAKING

HOURS/WEEK: 3

CREDITS: 2

OBJECTIVES:

1. It helps to teach students the basics of construction techniques
2. It aims to make the students design specific dress, pattern, ornaments and dresses for occasion.

UNIT-1- Elements and Functions of Clothing- Garment Analysis and Its Classification – Measurement and Size Charts For Men, Women, and Children - Requirement and Breakdown of Garments - Flow Process - Torso and Bifurcated Garments.

UNIT 2 Methods of garment construction

Pattern Making, Drafting, Draping and Flat pattern technique

Drafting- Importance of Body Measurement, Method of taking, body measurements, Principles of taking body measurements, Measurements needed for construction of children's, lady's and men's garments.

Draping- Draping on Dress form, Designing garments by draping.

Flat Pattern Techniques- Slash and spread method, pivot, and measurement methods.

UNIT 3- Seams -Introduction –Definition – Properties –Detailed Study On Seams Classification As Per Federal Standards – Plain, Top Stitched Seam, Welt Seam, Lapped Seam, Slot Seam, Flat Fell Seam, Hemmed Flat Felt Seam, French Seam, Piped Seam ,Superimposed And Bound Seam. Seam Finishes – Devices For Introducing Fullness.

UNIT 4

Definition, Purpose of Grading. Grading basic patterns-front, back, sleeve.

UNIT 5

Need for pattern alteration, Alteration of patterns for heavy & thin figure, narrow shoulders, broad shoulders, round shoulders, large busts, flat chest, large hips, large abdomen, short waist, long waist.

UNIT 6

Preparation of fabric for cutting, Pattern Layout and Transferring, Grain-Types of grain importance of Grain in fabric cutting, Steps in preparing fabric for cutting straightening shrinking and. Pressing, Rules in pattern layout, common methods for layout, layouts for bold designs, asymmetric designs, striped, checked and one way design piecing Methods used for transferring the patterns, marking, cutting & stay stitching.

UNIT 7

Pattern fitting- Standard for a good fit- ease, line, grain, set and balance

References:

1. Apparel Manufacturing – Hand Book – Jacob Solinger
2. Technology Of Clothing Manufacture – Herold Carr & B.Latham
3. Knitted Clothing Technology – T.Bracken Berry
4. Technology Of Stitches & Seams – Coats Viyella Limited

SEMESTER IV

HTF4B04 (P) PRACTICAL II- GARMENT CONSTRUCTION AND PATTERN MAKING

HOURS/WEEK: 2

CREDITS: 4

OBJECTIVES:

1. It helps to teach students the basics of construction techniques
2. It aims to make the students design specific dress, pattern, ornaments and dresses for occasion.

PATTERN MAKING

1. Dart Manipulation – Using slash and Spread technique and Pivotal Transfer technique (single dart series-Mid shoulder dart, Center front dart, French dart, mid armhole dart and bust dart. Double dart series – Shoulder and Waist dart, center front neck and center front waist darts, mid armhole and French darts.
2. Sleeve variations: Cap Sleeve (straight hem and Curved hem), Puff at Cap, Puff at hem, Puff at hem and cap, Leg O Mutton, Bell Sleeve and petal Sleeve.
3. Collar variations: Mandarin collar, peter pan and shirt collar.
4. Skirt variations: - A line flared skirt, Godet skirt (4 godets or 6 godets), Gore skirt (8 or 12 gore)
5. Circulation skirt (full circular skirt)
6. Basic Torso foundation development
7. Basic Trouser development

SEWING TECHNIQUES

8. Seams and seam finishes (four types each)
9. Bias and its application – facing- bias and shaped, piping
10. Fullness – gathers, tucks, pleats and darts (2 samples each)
11. Pockets – side and front
12. Collars – Chinese, peter pan, full shirt
13. Plackets – continuous bound, faced and bound, broken kurta
14. Sleeves – set in, kimono, puff and raglan (paper pattern)
15. Fasteners

DRAFTING

16. Construction of basic children drafts for body and sleeve and shorts
17. Construction of childrens clothing – panty, baby dress, girl's frock, boy's short and shirt.

SEMESTER V

HTF5B05 TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION

HOURS/WEEK:3

CREDITS:3

OBJECTIVES:

1. To teach students the basics in embroidery designs and techniques
2. To create awareness in care of embroidered articles.

UNIT 1

Introduction to Embroidery – General Rules for Hand and Machines Embroidery, Special Attachments to Sewing Machines for Embroidery.

UNIT 2

Knowledge & Practice of Embroidery Stitch by Hand- Running, Cording, Button Hole, Satin, Long & Short, Sheaf, Artificial Velvet, Chain, Stem, Herringbone, Cross, Star, French Knot, Double Knot, Fish Bone.

UNIT 3

Knowledge & Practice of following by Hand- Eyelet Work, Cutwork, Lace Work, Drawn thread Work, Patch Work, Shaded Embroidery, Sequins work, Bead Work, Tatting and Crochet

UNIT 4

Care Maintenance of Embroidery Articles – Pressing Articles – Frames (Glass & Wooden). Estimating, Costing & Marketing of Finished Embroidery Goods.

UNIT 5

Traditional textiles and embroideries of India

Jammu & Kashmir-Kashida

Punjab & Hariyana – Phulkari and bagh

Himachal Pradesh – Chamba

Uttar Pradesh – Chikankari of Lucknow, brocades

Gujarat – mata-ni-pachedi, Kathiawar, Kutchwork, ajarakh, block printing, patola

Rajasthan- bandhini

Orissa- ikat

Bengal – Kantha

Assam and the hill states of the north – East – Handloom weaving

Madhya Pradesh- chanderi and maheshwari

Maharashtra- paithani and pitamber

Tamil nadu - kanchipuram

Karnataka – Kasuti

Textiles of Goa and Kerala

REFERENCES

1. Sheila Paine, “Embroidered Textiles”, Thames and Hudson Ltd., 1990.
2. Shailaja D. Naik, “Traditional Embroideries of India”, A.P.H. Publishing Corporation, New Delhi, 1996.
3. Loom weaving, printed and painted fabrics, embroidery
4. Indian Textiles –by John Gillow and Nicholas Barnard, Om books International, New Delhi.
5. The Sari-by Linda Lynton, Thames and Hudson Ltd London.
6. Textiles and Crafts of India-Arunachal Pradesh, Assam, Manipur, National Institute of Fashion Technology, Prakash Books, New Delhi.

SEMESTER V

HTF5B05(P) PRACTICAL II- TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION

HOURS/WEEK:4

CREDITS:2

1. Hand Embroidery – 15 stitches
2. Machine Embroidery - 3 stitches
3. Appliqué
4. Smocking
5. Bead work
6. Sequins work
7. Zardosi work
8. Mirror work
9. Tatting
10. Crochet

11. Traditional embroideries of India – kashida, chamba, chikankari, kasuti, phulkari, kantha, Kathiawar/kutch

A record should be maintained of the work done.

SEMESTER V

HTF5B06 FASHION PRESENTATION

HOURS/WEEK:2

CREDIT:2

OBJECTIVE :

The course aims to use general accessories into the garment to add beauty, create mood, illusion etc., to the main garment.

UNIT – 1: CREATING SURVEY BOARDS

Creating Survey boards. -Creating Mood boards- its application in designing costumes. -Theme boards- its direct relation to creating designs of costumes. -Client boards- the study of peculiar characteristics of a client to design special costumes for him/ her. -Swatch boards- Use of swatches in surface texture of the designed costumes.

UNIT – 2: CREATING LINES

Creating Lines- lines with similar themes, similar fabrics and similar surface ornamentation. - Collage Work- collage on dress, collage on background, use of collage in fashion illustration. - Theme based illustrations- themes could be picked up from nature, surroundings, objects, events, celebrities, sports, jewellery, toys, etc.

UNIT – 3: FASHION ACCESSORY DESIGNING

Fashion Accessory Designing -Designing and illustrating Jewellery- using various mediums like pearls, beads, gold and silver, diamonds, wires, flowers, net, etc. Designing and illustrating head gears- using various mediums like leather, cane, pearls, beads, wood, wires, velvet, flowers, net, etc.

UNIT – 4: DESIGNING AND ILLUSTRATING

Designing and illustrating Belts using various mediums like leather, cane, pearls, beads, gold and silver, diamonds, wires, net, macramé etc. - Designing and illustrating Foot wear of all types using different mediums -Designing and illustrating Bows and ties on different dresses. - Illustrating different Hairstyles.

UNIT – 5: DESGIN STUDIO

Design Studio- designing dresses based on different themes for a fashion show - Study of the basic aspects of a fashion show- the background, the lights, the ramp, the accessories, the make-up, the fabric, surface ornamentation, etc. -Designing and illustrating lines for a fashion show.

REFERENCE

1. Illustrating Fashion -Kathryn Mckelvey Blackwell Series
2. Encyclopedia of Fashion accessories -Phyllis TortoraFairchild
3. Fashion Sketchbook–Abling Fairchild
4. How Fashion Works- Gavin Waddell Blackwell

SEMESTER V

HTF5B06(P) FASHION PRESENTATION (PRACTICAL III)

HOURS/WEEK: 2

CREDIT:2

1. Introduction to Design Development sheet
2. Mood boards.
3. Client profile.
4. Illustration sheet.
5. Specification sheet.
6. Illustration fashion figures depicting various textures, prints and drapes.
7. Make designs using different types of folds, gathers.
8. Depicting various silhouettes on fashion figures.
9. Illustrate the detailing of pleats, tucks, darts, yokes and godets.
10. Detailing of hemlines, edgings, pockets, fastenings, trimmings & accessories.
11. Fashion illustration using headgears, accessory etc.
12. Presentation of your designs inspired by any designer of your choice 2
13. Preparation of Portfolio of one collection –4 garments

Record to be maintained and portfolio to be submitted.

References:

1. "Fashion Design Illustration" By Patrick John.
2. "Big Book of Fashion Illustration" By Martin Dawver, Publisher Batsford.
3. "Inside Fashion Design" By Tata Sharon Lee , Publisher Canfield Press
4. "Fashion Design Drawing and Presentation" By John Petrick, Publisher Batsford
5. "9 Heads" By Riegelman, Publisher Pearson.
6. "Rendering Fashion Fabric and Prints" By McDonald, Nora M, Publisher Fairchild.
7. "Fashion Drawing: The Basic Principles" By Anny Allen and Seaman.
8. "Illustrating Fashion" By Kathryn & Munslow, Publisher Blackwell.
9. "Fashion Source Book" By Kathryn, Publisher Blackwell.

SEMESTER V

HTF5B07 GARMENT COSTING

HOURS/WEEK: 4

CREDITS:4

Objectives:

1. To gain knowledge of accounting and costing in garment industry

Unit 1 Introduction to Cost Accounting:

Responsibility accounting, uses of cost accounting, elements of cost, Direct material, Direct labour, factory overhead; cost of goods manufactured statements, cost behavior ,Patterns in the apparel industry-fixed variable, semi variable, job order for process costing.

Unit 2 Accounting for factory overhead:

Capacity level concepts, production and service departments direct and indirect costs over and under, applied overhead, cost volume profit analysis; Breakeven analysis: Contribution margin, Variable, cost ratio, marginal income.; sales mix by garment style, effect of volume change, price/column analysis

Unit 3 Apparel Marketing cost Analysis:

Marketing cost accounting, marketing cost standards, variance analysis for marketing cost, effective variance, price variance

Unit 4 Determining Pricing of apparel products:

Price elasticity of demand and supply, sample costing-marginal, revenue and marginal cost, cost plus pricing methods, Full cost pricing, conversion cost pricing differential cost pricing ,variable cost pricing, direct cost pricing derivation of cost of apparel products-woven/knits

The Budgeting process: Budgeting principles for the apparel industry, fixed vs. variable budget, master budget, laminations of budgets any justification effort.

References

1. Richard D. Irwin Inc., "Principles of cost Accounting: Managerial Applications" Revised by Gayle Rayburn, 1983
2. Sultan Chand & sons "Management Accounting" New Delhi, 2nd edition 1998
3. Introduction to Fashion Design, Patrick John Ireland, 1992, B.T Batsford Ltd., 583, Fulham Road, London.
4. Fashion Design & Product development, Harold Cars/ John Pomeroy, 1992, Black Well Science, Inc., 238, Main Street, Cambridge

SEMESTER V

HTF5B08 CONCEPTS OF FASHION DESIGN

HOURS/WEEK: 2

CREDITS: 2

OBJECTIVES:-

1. To inculcate knowledge on the basic elements and principles of designing
2. To help the students to implement the knowledge gained in day to day life.

UNIT 1 Fashion terminologies

Terms and concepts- its meaning- bespoke, fad, fashion, classic, prêt-a-porter, mass fashion, high fashion, altier, haute couture, custom made

UNIT 2 The elements of design

Line- Vertical, Horizontal, Diagonal, Modular grid, Curvilinear and Kinetic.

Form, Shape and Space-Form, Shape, Space (positive and negative), Shape within shape

Texture and light – Actual texture, Simulated texture, Abstract texture

Structural element of fabric – fibre, yarn, construction, and finish

Light –Light and Surface, Light categories-Reflected light, represented light, emitted light, project light.

Colour

UNIT 3 Colour theory

Primary, secondary, tertiary, and colour wheel-Prang colour system

Tints and Shades of colour

Colour Schemes-Analogous, Compeimentary, Split complementary, Triad schemes.

Warm and Cool colours

Colour dimensions-Hue, value and intensity.

UNIT 4 Designing principles

Balance-horizontal, vertical, symmetry and asymmetry and radial balance.

Emphasis – Isolation, contrast, placement, repetition and radiation.

Proportion

Rhythm – Repetition, progression, alternation, grid, broken rhythm, transition.

Unity

UNIT 5 Study of figures

Types of figures, dress details for various types of figures, use of elements and principles of design in designing garments. Wardrobe planning- need, steps

SUGGESTED READINGS:-

Fashion by design – Janice Greenberg Ellinwood – Fairchild Books, New York

Design through discovery : The Elements and Principles – Marjorie Elliott Bevin – Wadsworth Publishing ,

Design Basics – David A Lauer, Stephen Pentak

SEMESTER V

HTF5B08 (P) PRACTICAL IV- CONCEPTS OF FASHION DESIGN

HOURS/WEEK: 4

CREDITS: 2

Objectives:-

1. To improve student's drawing skills
2. To draw fashion croqui and to explore the basic mediums of art

Content:-

1. Basic line drawing: - vertical lines, horizontal lines, diagonal lines, concentric circle ovals and waves
2. Object drawing:- two and three dimensional forms of objects
3. Live model drawing
4. Basic 8 head and 10 head croqui- female
5. Croqui- child, male
6. Fashion figure in poses-front, 3/4, side view.
7. Photoanalysis.
8. Facial features.
9. Rendering techniques- shading, cross hatching, embossing
10. Painting in different mediums- pen, pencil, ink, water colour pastels, acrylic and oil
11. Visit to a design studio/apparel manufacturing unit/textile weaving unit.

Students are required to submit a record of all the work

Suggested Reading:-

1. Introduction to fashion design- Patrick John Ireland B.T. Batsford Ltd; London
2. Illustrating Fashion- Kathryn Mckelvey and Munslow Blackwell Science, Australia
3. Fashion illustration- Julion Seamon – BT Batsford Ltd, London

OPEN COURSE

SEMESTER V

FCSDO1 FOOD SCIENCE AND BASIC COOKERY

HOURS/WEEK: 2

CREDITS: 2

Objectives:

To enable students to understand the nutritive composition, methods of cooking and preservation of foods.

Unit I - Introduction to food science

Functions of food, basic food groups and different methods and objectives of cooking.

Unit II - Study of foods

- a. Cereals** – Nutrient composition, effect of heat on starch and protein, role of ingredients in bread making and cake making.
- b. Pulses** – Nutritive value and germination, role of pulses in cookery.
- c. Vegetables** – classification and nutritive value and pigments.
- d. Fruits** – Composition and nutritive value, browning reaction
- e. Milk and milk products** – Nutrient composition, effect of milk on heating, fermented and non fermented milk products, role of milk in cookery.
- f. Eggs** - Nutritive value, characteristics of fresh eggs, role of egg in cookery. Salad dressing, stages of foam formation.
- g. Meat** - Nutrient composition and effect of cooking.
- h. Fish** – Nutritional composition and fish cookery.

- i. **Fats and Oils** – Functions of oils and fats in food, rancidity.
- j. **Beverages** – Classification, nutritional importance.
- k. **Sugar cookery** – Caramalisation, hydrolysis, crystallisation and stages of sugar cookery.

Unit III - Food preservation – principles and methods

Related experiences

- i. Record the weight of 1 cup/ 1tbsp/ 1tsp of different types of food stuffs.

Record the ratio of raw to cooked volume of rice, rava and pulses.

Simple preparations using cereals, pulses, milk, vegetables, fruits, egg, meat and fish.

- ii. Salad dressing - mayonnaise
- iii. Baking – Cake, pizza, cookies (demonstration)
- iv. Food preservation – Jam, squash, jelly, pickles.

References

1. Norman, N. Potter and Hotchkiss, J.H, Food Science, CBSE publishers and Distributers, New Delhi, 1996.
2. Mudambi, S.R. and Rao, S.M. Food Science, New Age International (P) ltd. Bangalore, 1989.
3. Begum, M.P., A Text Book of Food, Nutrition and Dietetics, sterling Publishers Pvt. Ltd., New Delhi, 2001.
4. Srilakshmi, B., Food Science, New Age International Pvt. Ltd., New Delhi.
5. Mudambi, S.R. and Rajagopal M.V., Fundamentals of Food & Nutrition, New Age International (P) Ltd., New Delhi, 1990.

6. Swaminathan, M. Handbook of Food and Nutrition, the Bangalore Printing and Publishing Co., Ltd., Bangalore, 2003.

SEMESTER V

FCSDO2 INTERIOR DECORATION

HOURS/WEEK: 2

CREDITS: 2

Objectives

1. To make students conscious of aesthetics.
2. To help them understand beauty in design.
3. To develop in them an appreciation of art and design.

1. **Design-** definition and types
2. **Elements of design-** Line, texture, space, light, colour
3. **Principles of design-** proportion, balance, rhythm, emphasis and harmony.
4. **Colour theory-** dimensions, prang's colour system, colour schemes, psychological implication of colour.
5. **Furniture selection and arrangement-** principles of arrangement.
6. **Wall finishes-** types, merits and demerits.
7. **Floor finishes-** hard, resilient and soft
8. **Window treatments-** types and curtain styles
9. **Flower arrangement-** types and principles.
10. **Accessories-** classification- functional and decorative
11. **Home lighting**
12. **House –** Functions, Principles of planning
13. **Kitchen –** Types and layouts

Related experience

- Types of design-decorative, traditional and modern
- Elements of design-applications
- Principles of design-illustrations
- Colour wheel
- Colour schemes
- Curtain styles
- Accessories
- Flower arrangement

References

1. Nickel, pand Dorsey, J.M. Management in family living, Wiley Eastern Private Ltd, New Delhi, 1976
2. Gross, I.M & Grandall, D.W Management for Modern Families, 1973
3. Faulkner R & Faulkner S, Inside todays home, Holt Rinchart & Winston, Newyork
4. Rutt.A.H, Home furnishing, Wiley Eastern Private Ltd, New Delhi
5. Varghese.M.A, Ogale, N.N.Sreenivasan,K home Management, New Age International
6. Agan.T, The house-its plan & use, J.P.Lippincott company, Newyork, 1970

SEMESTER V

FCSDO3 TEXTILES AND APPAREL DESIGNING

HOURS/WEEK: 2

CREDITS: 2

Objectives

1. To recognize textile fibers.
2. To acquire ability in selecting textiles and constructing garments.
3. To develop self employment opportunities.

Unit I Fibre, yarn, theory and fabric construction - Definition, types, spinning, loom, weaving.

Unit II Weaves- Basic weaves and their variations Novelty weaves- types, pile, leno, lappet, swivel, dobby, jacquard, double cloth, cut spot, continuous weave, crepe.

Unit III Fashion – definition, fashion cycle, fashion trends in India.

Unit IV Traditional textiles and embroideries of India.

Unit V Printing and dyeing – Types of dyes, printing methods.

References

1. Hollen and Saddler; Textiles, Maxmillan.
2. Sushama Gupta, Neeru Garg, Renu Saini, Textbook of clothing and textiles, Kalyani publishers, Ludhiana.
3. Shailaja D Naik, Traditional Indian Textiles.
4. Essay M, Fashion Marketing, Blackwell Sciences Ltd., London.
5. Mary Mathews, Practical Clothing Construction., part I and II.

SEMESTER V

PRACTICALS - TEXTILES AND APPAREL DESIGNING

1. Stitches- Basic hand and decorative (embroideries- any 15)
2. Samples of mirror work, Kutch work, tatting, smocking.
3. Seams and seam finishes.
4. Bias and its application.
5. Pockets- Set in, pocket in a seam, hip pocket.
6. Collars – Chinese, peter pan, full shirt
7. Plackets – Continuous bound, faced and bound, broken kurta.
8. Construction of garments – Girl's frock, salwar, kameez, choli, nightee, 4 gore skirt.
9. Demonstration of block printing, stencil printing, screen printing

SEMESTER VI

HTF6B09 TEXTILE SCIENCE

HOURS/WEEK: 5

CREDITS: 5

OBJECTIVES :

1. To gain knowledge about textiles and their uses.
2. To acquire knowledge about fibre, yarn and fabric science

UNIT -1: FIBRE SCIENCE

Classification of fibres, manufacturing process-cotton, wool, silk, viscose, rayon, physical and chemical properties, Blends and mixtures. Identification of fibres Subjective tests- Visual and Burning tests
Objective tests- Microscopic test and chemical test for cotton, cotton, linen, wool, silk, rayon acetate, nylon and polyester

UNIT -2: YARN SCIENCE

Yarn making –spinning count and twist, classification of yarn, simple yarn –cable, ply and double, fancy yarn –slub, flake spiral, boucle, ratine, nub or spot yarn.

UNIT-3: FABRIC SCIENCE

Loom- Parts and functions of a loom (primary and secondary motions), warping and pirn winding, Sizing.
Types of looms- Handloom/Power loom, Shuttle loom/ Shuttle less looms (Projectile, Rapier, Water jet and Air jet looms.
General characteristics of woven fabrics- Yarn, count of yarn and fabric, grain, balance, selvedge and its types.
Fabric design- Design, draft, peg plan and denting plan.
Basic weaves –plain, twill and satin and their variations, fancy weaves –pile, double cloth, swivel, lappet, leno, dobby and jacquard.

UNIT -4: OTHER FABRIC CONSTRUCTIONS TECHNIQUES

crocheting, knotting, felting, braiding, laminating bonding, netting, knitting and lace making.

UNIT 5 FINISHES

Finishes • Basic finishes – scouring, bleaching, mercerizing, calendaring, tentering, beetling, napping, sanforizing. Silk weighting, durable press, crabbing, fulling

Special finishes – Water proofing, fire proofing, moth and mildew proofing.

UNIT 7 DYEING

Classification of dyes – Natural, synthetic dyes- dyeing mechanisms
methods of dyeing –Batch and continuous process- jet, jigger, winch, pad, beam, cross, union,
vaccum impregnation.

Stages of dyeing - stock, yarn, piece, solution, paddle

UNIT 8 PRINTING

Styles of Printing – direct, discharge and resist- batik, tie and dye,
Methods of printing- block, screen- hand and flat bed, rotary screen printing, stencil, transfer
printing, roller printing. after treatments – Steaming – Curing - Thermal fixing.

UNIT 9 ECOFRIENDLY TEXTILES

Brief study of Eco Friendly Textile Processing.

REFERENCES:

1. Technology of Textile Processing – Shenai, V.A. (1984), Vol.- IX, Sevak Publication
2. Hand Book of Textile Fibers – Cook, J. Gordon, Merrow Publishing Co. Ltd,
England
3. Manmade Fibers – Moncrief: R.W, John Wiley & Sons New York.
4. Dyeing and Chemical technology of Textile Fibers – Trotman, E.R. (1975), Charles
Griffino Company Ltd, London.
5. An Introduction to Textile Finishing – Marsh, J.T. (1979), B. I. Publications.
6. Chemicals after Treatment of Textiles – Mark H., Wooding N.S. & Atlas Smeeds,
(1970), John Wiley & Sons Inc., NY.
7. Handbook of fiber Science and Technology, Vol. II, Chemical Process of I and
Fabrics, Functional Finishes Part A – Lewin, M. and Selio, Stephen B. (1983) Marcel
Deker, Inc, NY and Basel.
8. Introduction to the Chemistry of Dyestuffs-Shenai, V. A (1991):, Sevak Prakashan
9. Natural Dyes and their Application to Textiles, Gulrajani M.L. and Gupta, D. (1982),
IIT Delhi.

10. Natural dyeing process of India-Mohanty, Chandramouli, Naik, (1987), Ahmedabad,
Calico Museum of Textiles.
11. Technology of Finishing-Shenai, V.A. and Saraf, N.M. (1990), Vol. X.II Edition
12. Fundamental Principles of Textile Processing-Shenai.V.A (1984); Vol. IX, I Edition,
Sevak Pub
13. Evaluation of Textile Chemicals-Shenai, V.A and Mehra, R.H. (1984); Vol.VIII,
Sevak Pub
14. Technology of Dyeing-Shenai, V.A. (1988); Vol. VI, Sevak Pub
15. Chemistry of Dyes & Principles of Dyes-Shenai, V.A (1987); Vol.III, Edition III,
Sevak Pub

SEMESTER VI

HTF6B09 (P) PRACTICAL V- TEXTILE SCIENCE

HOURS/WEEK: 4

CREDITS: 5

EXPERIMENTS

1. Collection of fibre studied-Natural and Artificial
2. Collection of weaves studied-Basic and Novelty
3. Collection of non wovens
4. Identification of fibres
5. Identification of binary blends
6. Identification of weaves
7. Analysis of fabrics- design, draft, denting and lifting plan for plain, twill and satin.
8. Tie and dye and batik printing

RECORD TO BE MAINTAINED.

SEMESTER VI

HTF6B10 APPAREL PRODUCTION AND QUALITY CONTROL

HOURS/WEEK:5

CREDITS:5

OBJECTIVES

1. To give the students an awareness regarding the equipments, their need and views in the garment industry.
2. To provide an insight into the aspects of quality control in the industry.

UNIT 1

Fabric department – fabric checking

Cutting and pattern making – spreading, requirement of spreading process, methods of spreading, nature of package, use and importance of marker, methods of marker planning, cutting – types of cutting machine., causes of defects in cutting, bundling and ticketing.

UNIT 2

Production – sewing machines – regular sewing machine, overlock, interlock, safety stitching, blind stitching, button hole, button stitching, rivet snap, bar tacking, embroidery.

Work aids – machine bed, machine table, work chairs, bundle clamps, stackers.

Attachments – folders and guides, seam types, stitch types, machine needle – parts and types.

Sewing threads – types & uses.

Finishing care, labeling, ironing & packing.

UNIT 3

Quality control – terminology – quality control and quality assurance, quality department, the process of production, apparel testing and quality control – standards – definition and benefits of standards, various international standards. Quality parameters of yarn/ fabrics/ garment/ accessories, testing – testing laboratories, various tests – yarn/ fiber, testing agency.

UNIT 4

Inspection, types of inspection, acceptable quality level.

UNIT 5

Certification in apparel industry – social accountability- 8000 (S.A 8000), international standard organization (I.S.O), world responsible apparel production (WRAP), total quality management (TQM).

References

1. Introduction to clothing manufacture – Gerry Cooklin – Blackwell Science, Australia
2. Garment technology for Fashion Designers - Gerry Cooklin – Blackwell Science, Australia
3. The technology of clothing manufacture – Harold Carr and Barbara Latham- Blackwell Science, Australia
4. Introduction to clothing production management – A J Chuter - Blackwell Science, Australia
5. An introduction to quality control for the apparel industry – Pradip V Mehta

SEMESTER VI

HTF6B10 (P) PRACTICAL VI - APPAREL PRODUCTION AND QUALITY CONTROL

HOURS/WEEK: 4

CREDITS:5

Drafting and construction of adults garments

- 1. Top and skirt**
- 2. Traditional wear- salwar kameez/chaniya choli**
- 3. Party wear- gown**
- 4. Choli**
- 5. Trouser**

Record should be maintained.

For examination- drafting and construction of top, skirt, choli and salwar or kameez.

SEMESTER VI

HTF6B11 SOCIOLOGY OF FASHION

HOURS/WEEK: 4

CREDIT:2

Objective:-

To spread the importance of fashion for social life and the role it plays in society

UNIT 1

Fashion and Social Visibility:-

Theoretical Perspectives – Thurston Veblen's theory of Leisure Class (Conspicuous Consumption), George Simmel's 'Trickle down ' Theory

Evolution of fashion – Costumes from medieval to modern period, Sources of fashion, Factors favouring / retarding fashion cycle the role of fashion in garment industry.

UNIT 2

Sociological Aspects of Clothing:-

Clothing and Wearer – Personality factors and choices of clothing – Clothing awareness, Occupation, status and clothing, Fashion as a mechanism of innovation and conservation

Society and clothing choices – Fashion as the mirror of society, Anti-fashion, Fashion semiotics, Globalization, consumerism and Fashion

UNIT 3

Understanding the Trends:-

Market survey – Developing a Consumer Profile

Market Research – Definition and objectives-developing the research design, data Collection-analysis of data- presenting the findings

REFERENCES

1. The Making of Sociology – Ronald Fletcher – Rawath
2. The Dress of Women: A Critical Introduction to the Symbolism and Sociology of Clothing – Charlotte Perkins Gillman – Greenwood Publishing Group.
3. Sociology a Brief Introduction – Richard.T.Schaefer – Tata Mc Graw Hill

SEMESTER VI

HTF6B12 (E01) ENTREPRENEURSHIP MANAGEMENT (Elective)

HOURS/WEEK: 3

CREDIT: 3

Objectives:

1. Understand the nature of entrepreneurial activities
2. To make students aware of the urgent needs for self employment
3. To develop skills in project identification, preparation of project reports and its implementation.

Unit-1 Entrepreneurship: definition, scope, characteristics, factors affecting entrepreneurial development, entrepreneur vs intrapreneur, classification of entrepreneur, entrepreneur motivation, difference from a manager, role of entrepreneur in economic development.

Unit II Women entrepreneurs: definition, present status in India, steps taken for the promotion of women entrepreneurs, problems faced by women entrepreneurs

Unit III EDP: definition, need, Objectives, steps, agencies conducting EDP, Role of government in organizing EDP.

Unit IV Agencies for entrepreneurial support – KITCO, SIDCO, KVIC, DIC, STED, SIDO, NSIC, TCO, SISI, SIDBI

Unit V Small scale industries: definition, types, role in modern economy, steps for starting SSI, problems faced by SSI, supporting mechanisms – incentives and facilities from government.

Unit VI Project: definition, types, steps in identification, project life cycle, scope and importance, project objectives

References

1. Desai, N. Entrepreneurial development- Principles, programmes, Policies(Vol.1)
Formulation Appraisal and Financing (VOL.II) and Programmes and Performance
(VOL III) Himalaya Publishing House, Bombay, 1996
2. Vinod A, Entrepreneurship Management
3. Winze.M.D Women Entrepreneurs in India, Mital publications, New Delhi 1987.
4. Jose Paul, Entrepreneurship Development
5. Jayan, Entrepreneurship Development

SEMESTER-VI

HTF6B12 (E02) EXTENSION AND COMMUNICATION

HOURS/WEEK: 3

CREDIT: 3

Objectives

To enable the students to:

1. Understand the principles and objectives of extension and community development in our country.
2. Acquire knowledge and skill in using communication techniques.
3. Prepare for higher studies in Extension Education

Unit I *Community Development*

1. **Extension** –Meaning, principles, concepts, scope and objectives of extension education in India
2. **Community development in India:** Objectives, principle, philosophy, Types of communities- Rural and Urban, community development programmes in India-origin and history, Basic rural Institutions-school, panchayat, co-operatives; other institutions- mahila mandals, youth clubs, rural youth programmes-4-H clubs, YFA
3. **Leadership** –Concepts, definition, characteristics, types, selection and training of leaders, methods of identifying professional and lay leaders.
4. **Programme planning in Extension-** Definition, principle, criteria for good programme planning, scope, steps involved in programme development, plan of work, calendar of work, types of evaluation in extension.
5. **Rural Sociology:** Characteristics, comparison between rural and urban society, Panchayat Raj-3 tier system, kudumbasree.
6. **Agencies and programmes for community development:** SWB, urban and rural co-operative banks, District Rural Development Agency, Employment Training and Poverty Alleviation- IRDP, JRY, TRYSEM, DWCRA, NAEP

Unit II Communication

1. **Communication:** Definition and importance, elements of communication- Leagen's model, problems in communication, motivation- methods of motivating people
2. **Methods of approaching people**-Classification of extension teaching methods-individual, group and mass methods, scope, advantages and limitations of methods.
3. **Audio-Visual Aids**- Importance of audio-visual aids in communication, cone of experience, factors to be considered in selection, preparation and use of audio visual aids, their merits and demerits
4. **Home Science Extension Education:** Needs and methods, vocationalization of Home Science in India, self-employment and Entrepreneurship through Home Science.

References

1. O.P.Dahama, O.P.Bhatnagar, Education and communication for Development, 2nd edition, Oxford and IBH publishing Co., Pvt.Ltd.New Delhi.
2. S.V.Supe. An Introduction to Extension Education, Oxford and IBH publishing Co., Pvt.Ltd.New Delhi.
3. A.Advivi Reddy, Extension Education, Sreelakshmi press, Bapla.
4. Dale.E, Audio Visual methods in teaching, The Dryden Press, New York.
5. Kulendaivel.K, Audio Visual Education, Sri Ramakrishna Mission Vidyalaya, Coimbatore.
6. Dey.S.K, Panchayat Raj, Asia publishing house, Bombay, 1961.
7. Waghmore.S.K, Teaching Extension Education, Prasant publishers, Vallabha, Vidhyanagar, 1980.

SEMESTER-VI

HTF6B12 (E03) QUANTITY FOOD PREPARATION TECHNIQUES

HOURS/WEEK: 3

CREDIT: 3

Objectives

1. To enable students to Understand the objectives of different types of Food Service Institutions.
2. Gain knowledge in menu planning, preparation of recipes in large scale and serving and in food costing.

Unit I –Food Service Industry

Scope of hospitality industry, different categories of hotels and their objectives.

Unit II - Menu planning-The primary control of food service

Types of menu – A la carte, Table d’hote & cyclic Factors affecting menu planning, menu presentation menu presentation, pricing and evaluation.

Unit III –Purchasing

Procurement, qualities of an institutional buyer, product selection, specification, methods of purchasing and purchasing process.

Unit IV –Receiving and storage

Receiving - delivery methods, delivery procedure and receiving procedure. Storage –types (dry storage and cold storage)

Unit V –Standardization of Recipes

Standardization and portion control

Unit VI –Quantity Food production and quality control

Objectives of food production, methods of production, product standards and product control –HACCP

Unit VII -Distribution and service of Food

Types of food service – waiter service, self service and vending

Unit IX Budget

Steps in budget planning, budgeting concept, break even analysis food budget, food costing, and food cost control.

Related Experience:

Standardization of 10 selected recipes used in food service Institutions and quantity food production of any two items.

REFERENCES:

1. Mohini Sethi and Surjeet, M. Malhan, “ Catering Management an Integrated approach”, Wiley Eastern Limited, Mumbai, II edition reprinted, 1996.
2. Marian C. Spears; Food Service Organization; III Edition, Prentice Hall Inc., usa. 1995.
3. West and Woods, Introduction to Food Service, Macmillan Publishing Company, New York, 7th edition, 1994.
4. Odger Cesarani and David Fosket, Theory of Catering, Odger and Stoughton, London, xth edition, 2003.
5. Odger Cesarani and David Fosket, Food and beverage service, Odger and Stoughton, London, xth edition, 2003.