

VIVEKANANDHA
COLLEGE OF ARTS AND SCIENCES FOR WOMEN
(AUTONOMOUS)

(An ISO 9001:2008 Certified Institution)
Affiliated to Periyar University, Approved by AICTE,
Re-accredited with 'A' Grade by NAAC, Recognized
u/s 2f & 12(B) of UGC Act, 1956
Elayampalayam, Tiruchengode, Namakkal (Dt.)

DEPARTMENT OF COSTUME DESIGN
AND FASHION



B.Sc.
(COSTUME DESIGN AND FASHION)

OUTCOME BASED SYLLABUS

(2021 - 2022)

VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN

(AUTONOMOUS)

CDF

(BACHALOR OF COSTUME DESIGN AND FAHION)

(Candidates admitted from 2021-2022 onwards)

REGULATIONS

I. SCOPE OF THE PROGRAMME

B.Sc. (Costume Design & Fashion) is a three-year Undergraduate degree program that helps the student to develop an understanding of the fashion environment and trains them to develop a range of fashion products for a targeted market segment. It also includes latest trends, cultural dynamics, and innovations in the Indian and International fashion industry. Wanting become a Fashion Designer or be part of the global fashion market, this degree gives you the necessary knowledge, skills and know how to be what you aspire.

II. SALIENT FEATURES

- ❖ The department of Costume Design & Fashion course offers a broad range of career-based programmes with up-to –date infrastructure and highly –qualified and dedicated staff members.
- ❖ It implements a comprehensive, technically –driven curriculum and evolution system to ensure that its graduates are in exclusive demand in India and globally, for their exemplary technical and professional competencies, and also for their capability to take up higher education programmes.
- ❖ It encourages active research and the spirit of innovation among its faculty and students and promotes collaborative initiatives with industry and institution of high standing.
- ❖ It respects and demonstrates the core values of equity, team work, environment-friendliness and transparency

III. OBJECTIVES OF THE PROGRAMME

- ❖ To Provide good theoretical knowledge and practical skills required for careers in Business
- ❖ To expose the students to industries through internship, field visit, guest lecture, and projects.
- ❖ To inculcate innovative and creative thinking among students, due to the encouragement of student research activities.
- ❖ To encourage students honing their skills through students Association activities, Effective communication and Placement training programmes.

IV. ELIGIBILITY FOR ADMISSION

Candidate seeking admission to the first year Degree of Bachelor of Science in Textile and Fashion Designing shall be required to have passed in any Higher Secondary course examination (Regular academic or Vocational) of the State Board/CBSE/ICSE or other examination accepted as equivalent thereto by the Syndicate, subject to such other conditions as may be prescribed. Pass in any three year Diploma in Fashion/Costume/Textile/Apparel related course is eligible to admit in direct second year of this UG course.

V. DURATION OF THE PROGRAMME

- ❖ The course shall extend over a period of three academic years consisting of six semesters. Each academic year will be divided into two semesters. The First semester will consist of the period from July to November and the Second semester from December to March.
- ❖ The subjects of the study shall be in accordance with the syllabus prescribed from time to time by the Board of Studies of Vivekanandha College of Arts and Sciences for Women with the approval of Periyar University, Salem.
- ❖ Each subject will have four to six hours of lecture per week apart from practical training at the end of each semester.

VI. CONTINUOUS INTERNAL ASSESSMENT (CIA)

The performance of the students will be assessed continuously and the Internal

ASSESSMENT MARKS FOR THEORY PAPERS WILL BE AS UNDER:

| | | |
|---|-----------------------|----|
| 1 | Average of Two Tests- | 05 |
| 2 | Model Exam - | 10 |
| 3 | Assignment - | 05 |
| 4 | Attendance - | 05 |
| | Total - | 25 |

ASSESSMENT MARKS FOR PRACTICAL PAPERS WILL BE AS UNDER:

| | | | |
|---|------------------|---|----|
| 1 | Model Exam | - | 20 |
| 2 | Observation Note | - | 10 |
| 3 | Attendance | - | 10 |
| | Total | - | 40 |

PASSING MINIMUM - EXTERNAL

THEORY In the End Semester Examinations, the passing minimum shall be 40% out of 75 Marks. (30 Marks)

PRACTICAL / MINI PROJECT In the End Semester Examinations, the passing minimum shall be 40% out of 60 Marks. (24 Marks)

VII. ELIGIBILITY FOR EXAMINATION

A candidate will be permitted to appear for the End Semester Examination only on learning 75 % of attendance and only when her conduct has been satisfactory. It shall be open to grant exemption to a candidate for valid reasons subject to conditions prescribed.

DISTRIBUTION OF MARKS FOR ATTENDANCE:

| ATTENDANCE PERCENTAGE | MARKS | |
|-----------------------|--------|-----------|
| | THEORY | PRACTICAL |
| 75-80 | 1 | 2 |
| 81-85 | 2 | 4 |
| 86-90 | 3 | 6 |
| 91-95 | 4 | 8 |
| 96-100 | 5 | 10 |

VIII. CLASSIFICATION OF SUCCESSFUL CANDIDATES

Successful candidates passing the Examination of Core Courses (Main & Allied Subjects) & Securing Marks.

- a) 75 % and above shall be declared to have passed the examination in First Class with Distinction provided they pass all the examinations prescribed for the course at first appearance itself.
- b) 60% and above but below 75 % shall be declared to have passed the Examinations in First Class..
- c) 50% & above but below 60% shall be declared to have passed the examinations in Second Class.
- d) All the remaining successful candidates shall be declared to have passed the examinations in Third Class.
- e) Candidates who pass all the examinations prescribed for the course at the First appearance itself and within a period of Three Consecutive Academic years from the year of admission only will be eligible for University Rank.

IX. ELIGIBILITY FOR AWARD OF THE DEGREE

A candidate shall be eligible for the award of the Degree only if she has undergone the above Degree for a period of not less than Three Academic years comprising of six semesters and passed the Examinations prescribed and fulfilled such conditions has have been prescribed therefore.

X. PROCEDURE IN THE EVENT OF FAILURE

If a candidate fails in a particular subject, she may reappear for the university examination in the concerned subject in subsequent semesters and shall pass the examination.

XI. COMMENCEMENT OF THESE REGULATIONS

These regulations shall take effect from the academic year 2018-19 (i.e.,) for the students who are to be admitted to the First year of the course during the Academic year 2018-19 and thereafter.

XII. TRANSITORY PROVISIONS

Candidates who were admitted to the UG course of study before 2018-2019 shall be permitted to appear for the examinations under those regulations for the period of Three years ie., upto and inclusive of the Examinations of 2021-2022. Thereafter, they will be permitted to appear for the examinations only under the regulations then in force.

EVALUATION OF EXTERNAL EXAMINATIONS (EE)

| <u>QUESTION PAPER PATTERN – Theory</u> | |
|---|--|
| Time duration: 3 Hours | |
| Max. Marks: 75 | |
| PART- A: (20 x 1= 20) | Answer all the Questions Four Questions from each Unit |
| PART- B: (5 x 5 = 25) | Answer all the questions One Question from each Unit (Either or Type) |
| PART- C: (3 x 10 = 30) | Answer any THREE of the questions One Question from each Unit (3 Out of 5) |
| IN THE END SEMESTER EXAMINATIONS, THE PASSING MINIMUM SHALL BE 40% OUT OF 75 MARKS. (30 MARKS) | |

| <u>QUESTION PAPER PATTERN – Practical</u> | |
|---|-----------------|
| Time duration: 3 Hours | |
| Max. Marks: 60 | |
| 1. One compulsory question from the given list of objectives | 30 Marks |
| 2. One either/or type question from the given list of objectives | 30 Marks |
| IN THE END SEMESTER EXAMINATIONS, THE PASSING MINIMUM SHALL BE 40% OUT OF 60 MARKS. (24 MARKS) | |

Programme Specific Outcomes (PSOs)

- ❖ To impart theoretical & practical knowledge so as to provide a strong foundation for studies for career.
- ❖ To prepare the students for a wide variety of jobs in garment industry and to apply their creative mind in the designing of apparel and home textile
- ❖ Wide variety of employability options such as Design Director, Fashion Director, Style advisor, Fashion Buyer, Design Manager, Design Consultant, Fashion Blogger, Couturier, Fashion critic, Fashion Illustrator and Fashion Merchandiser

Programme Outcomes (POs)

- ❖ Analyze and identify required parameters vital to design and manufacture apparel products suiting the needs of the market
- ❖ Acquire creative and innovative skills in designing apparels with due considerations to public health, safety, cultural, societal and environmental factors.
- ❖ Understand the impact of sustainable development in apparel manufacturing processes.
- ❖ Understand the commitment towards professional ethics and responsibilities in the entire textile business process.
- ❖ Apply the knowledge, skill and attitude as a team player in initiating, executing and managing projects in the areas of design, manufacture, marketing and entrepreneurship in multi-disciplinary environments.
- ❖ Students would be equipped with Skills for Life Long Learning.
- ❖ Students would have set up strong foundation to their career in the field of Costume design and fashion.
- ❖ Students would have acquired essential workplace skills.
- ❖ Apply the technical skills to analyze and execute various of designs.
- ❖ Understand how the Indian and Global fashion markets work and be able to work in it.
- ❖ Students would develop professional practices in tune with the changing Dynamics of the Fashion industry landscape.
- ❖ To be equipped with Skills for Life Long Learning.
- ❖ To set up strong foundation to their career in the field of Costume design and fashion.
- ❖ To acquire essential workplace skills.
- ❖ To apply the technical skills to analyse and execute various of designs.
- ❖ To understand how the Indian and Global fashion markets work and be able to work in it.
- ❖ To develop professional practices in tune with the changing Dynamics of the Fashion industry landscape.

Program Educational Outcomes (PEOs)

The B.Sc. (Costume Design And Fashion) program describe accomplishments that graduates are expected to attain within five to seven years after Graduation

PEO1 The student can excel in the field of COSTUME DESIGN AND FASHION after the completion of the Program.

PEO2 The student can develop his own brands in Apparel Sector.

PEO3 Start- Up of An Entrepreneur with potential is possible with new ideas towards Apparel Industry.

PEO4 The student can choose to work as a freelance designer.

PEO5 The student can begin his career in the area of Apparel Production.

PEO6 The student can work as Quality Mangers in Garment Industry

PEO7 The student can work as Fabric Mangers in woven & Knitted Fabric sector.

PEO8 The student can also work as an industrial engineer.

PEO9 The student can work as Merchandiser and Costing Mangers in Garment Industries.

PEO10 The student can act as Consultant in Apparel Sectors.

CDF CURRICULUM FOR ACADEMIC YEAR 2021 – 2022

**COURSE PATTERN AND SCHEME OF EXAMINATIONS UNDER AUTONOMOUS,
CBCS & OBE PATTERN**

FOR THE CANDIDATES ADMITTED FROM THE YEAR 2021 – 2022

SEMESTER: I & II

| SEM | PART | COURSE CODE | COURSE TITLE | Hrs | CRE DIT | MARKS | | |
|-----|--------------|----------------------|--|-----|-----------|-----------|------------|------------|
| | | | | | | CIA | EE | TOT |
| I | I | 18U1LT01 | Tamil – I | 6 | 5 | 25 | 75 | 100 |
| | II | 17U1LE01B | English – I | 6 | 5 | 25 | 75 | 100 |
| | III | Core practical -1 | Pattern making and grading practical | 5 | 3 | 40 | 60 | 100 |
| | III | Core practical -II | Basic Apparel Designing Practical | 5 | 3 | 40 | 60 | 100 |
| | III | Allied | Sewing Technology | 6 | 5 | 25 | 75 | 100 |
| | IV | Value Education | Value Education-yoga | 2 | 2 | 25 | 75 | 100 |
| | Total | | | | 30 | 23 | 180 | 420 |
| II | I | 18U2LT02 | Tamil – II | 6 | 5 | 25 | 75 | 100 |
| | II | 18U2LE02B | English – II | 6 | 5 | 25 | 75 | 100 |
| | III | Core -1 | Fibre to yarn science | 5 | 5 | 25 | 75 | 100 |
| | III | Core practical -III | Fibre to yarn science practical | 3 | 2 | 25 | 75 | 100 |
| | III | Allied practical -1 | Basic Draping practical | 3 | 2 | 40 | 60 | 100 |
| | III | Allied practical -II | Basic Illustration And Sketching practical | 6 | 3 | 40 | 60 | 100 |
| | IV | EVS | Environmental Studies | 1 | 1 | 25 | 75 | 100 |
| | Total | | | | 30 | 23 | 205 | 495 |

SEMESTER: III & IV

| SEM | Part | Course Code | COURSE TITLE | Hrs | CREDIT | MARKS | | |
|------------|--------------|----------------------|---------------------------------|-----|-----------|-----------|------------|------------|
| | | | | | | CI A | EE | TOT |
| III | III | Core -II | Fabric Science | 5 | 5 | 25 | 75 | 100 |
| | III | Core -III | Care and maintenance of textile | 5 | 5 | 25 | 75 | 100 |
| | III | Core Practical -IV | Fabric science practicals | 3 | 2 | 40 | 60 | 100 |
| | III | Core Practical -V | Children's apparel practicals | 5 | 3 | 40 | 60 | 100 |
| | III | Allied -II | Fashion designing | 5 | 4 | 25 | 75 | 100 |
| | III | Allied practical-III | Fashion designing practicals | 3 | 2 | 40 | 60 | 100 |
| | IV | NMEC – I: | Fundamentals of textiles | 4 | 3 | 25 | 75 | 100 |
| | Total | | | | 30 | 24 | 220 | 480 |
| IV | III | Core IV | Historic Costume And Textile | 4 | 4 | 25 | 75 | 100 |
| | III | Allied III | Dynamics Of Fashion | 4 | 4 | 25 | 75 | 100 |
| | III | Core V | Textile Processing | 5 | 5 | 25 | 75 | 100 |
| | III | Core Practical VI | Womens Apparel Practical | 6 | 3 | 40 | 60 | 100 |
| | III | Core Practical VII | Textile Processing Practical | 3 | 2 | 40 | 60 | 100 |
| | III | SBEC-I | Embroidery Practical | 4 | 2 | 40 | 60 | 100 |
| | III | NMEC II- | Fundamentals Of designing | 4 | 3 | 25 | 75 | 100 |
| | Total | | | | 30 | 23 | 220 | 480 |

SEMESTER: V & VI

| SEM | Part | COURSE CODE | COURSE TITLE | Hrs | CRE DIT | MARKS | | |
|--------------------|--------------|---------------------|--|------------|------------|-------------|-------------|-------------|
| | | | | | | CIA | EE | TOT |
| V | III | Core VII | Computer in Garment Industry | 4 | 4 | 25 | 75 | 100 |
| | III | Core VIII | Textile Finishing | 4 | 5 | 25 | 75 | 100 |
| | III | Core IX | Printing Technology | 5 | 4 | 25 | 75 | 100 |
| | III | Core Practical VII | Computer aided Designing Practical | | 3 | | 100 | 100 |
| | III | Core Practical VIII | Internship- Viva voce | 5 | 3 | 40 | 60 | 100 |
| | III | Core Practical IX | Printing Technology Practical | 5 | 3 | 40 | 60 | 100 |
| | IV | SBEC- III | Men's Apparel Practical | 5 | 3 | 25 | 75 | 100 |
| | | MBEC - I | Garment Quality & Cost Control | 5 | 4 | 25 | 75 | 100 |
| | Total | | | | 30 | 25 | 180 | 595 |
| VI | III | Core X | Fashion Merchandising | 5 | 6 | 25 | 75 | 100 |
| | III | Core Practical X | Accessories Making Practical | 4 | 2 | 40 | 60 | 100 |
| | III | MBEC - II | Boutique Management | 5 | 4 | 25 | 75 | 100 |
| | III | SBEC II Practical- | fashion Portfolio Presentation Practical | 3 | 2 | 40 | 60 | 100 |
| | III | SBEC III- | Beauty Care Practical | 4 | 2 | 40 | 60 | 100 |
| | V | | Extension Activities | - | 1 | - | - | - |
| | Total | | | | 30 | 22 | 205 | 495 |
| Grand Total | | | | 180 | 140 | 1160 | 2940 | 4200 |

First
Semester

Course Code

SEWING TECHNOLOGY

Allied

Basic Knowledge in Garment Machineries

Course Objectives:

- To acquaint students of the basic production machinery and equipment used in apparel construction.
- To learn about the garment industry.
- To learn the working process of the various departments in garment industry.

Expected Course Outcomes:

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

- Describe the various machineries and process involved in fabric spreading and cutting.
- Generalize the types of garment production machineries and its application methods.
- Summarize the sewing machines and its special attachments for higher production.
- Explain the special machines and its functions in Garment Industry.
- Identify garment finishing machineries and its working principles.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

Unit:1 Introduction to Sewing Process

Introduction to sewing, History of sewing machines, Sewing Machine – parts and functions of single needle machine, Tools for measuring, marking, cutting & pressing. Selection of thread and needle for various types of fabric..

Unit:2 Classification of Sewing Machines

Classification of sewing machines -Single Needle Lock stitch Industrial model, Over Lock Machine, Zig Zag Multi Purpose Machine, Double Needle Machine, Bar Tack Machine, button hole making machine, button fixing machine, blind stitching machine, fabric examining machine. Machine attachments - care and maintenance of sewing machines.

Unit:3 Basic Sewing Machine and its Details

Basic sewing machines and associated work aids, simple automobiles. The use of components & trims – Labels and motifs, lining, Interlining, wadding, lace, braids & elastics, Hooks and loop fastening, Seam binding and tape, Shoulder pad, Eyelets & laces, Zip fastener, Buttons, Tack buttons, Snap fasteners and Rivets, Performance properties of components and trims. Sewing

machines attachments – (Hemmers, Ruffler, Binder, Tucker, cloth guide, zipper foot, gathering foot, feed cover plate, circular attachment). Common problem & remedies

Unit:4 Fusing

Fusing – Definition, advantages of using fusible interlinings, requirement of fusing, Fusing process. The means of fusing, Fusing equipments, Methods of fusing quality control in fusing. Alternative of fusible interlining. Pressing: the purpose of pressing, categories of pressing, means of pressing, pressing equipments and methods, pleating, permanent press. State of pressing.

Unit:5 Stitching mechanism

In Stitching mechanism – needles, bobbin and bobbin case, bobbin winding, upper and cover threading, auxiliary hooks, throat plates, take –ups tension disc.

Feeding mechanism – drop feed, different fed, needle feed, compound feed, puller feed introduction to various machines for garment finishing – Fusing – Sucking – Ironing - Packing.

Text Book(s)

1. The Technology of Clothing manufacture, Harold Carr and Barbara Catham, Blackwell Science (1994)
2. Goswami, B.C. “ Textile Yarns”, Technology, Structure and applications”, Mc graw Hill.
3. Chris Jefferys (2004), 101 Essential Tip- Basic Sewing, D.K. Publishing
4. Besty Hosegood (2006), The complete book of sewing, Dorling Kindersley Ltd., London..
5. Thomas Anna Jacob, “The art of sewing:, USB publishers New Delhi, 1994.
6. Readers Digest Sewing book.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.onlineclothingstudy.com/2018/05/machinery-needed-for-garment.html>
2. <https://garmentsmerchandising.com/garment-machine-function/>
3. https://dir.indiamart.com/indianexporters/m_textmch.html

4. Thangam Subramaniam,(2006). Dress Making- Bombay Tailoring and Embroidery College
5. Ruth Sleigh Johnson,(2011).Practical sewing techniques. London :A&C Black publishers

Related Websites

- 1 <https://ecourseonline.iasri.res.in/mod/page/view.php?id=114171>
- 2 <https://www.fibertofashion.com/industry-article/5658/basic-of-pattern-making>
- 3 <https://www.clothingpatterns101.com/style-lines.html>

Course Code

PATTERN MAKING & GRADING

CORE PRACTICAL-I

Basic Knowledge In Pattern Making Syllabus

Course Objectives:

1. To enable the students to develop the ability to create design through flat pattern technique.
2. To impart skills in dart manipulation.
3. To enable the students to learn the skills of standardizing body measurements

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to:
2. Infer about pattern making terminology and steps in taking body measurement.
3. Summarize the pattern drafting techniques and fitting standards for different garments.
4. Generalize the Pattern Draping techniques and its facts.
5. Predict different pattern grades and fabric grains for cutting.
6. Explain pattern alteration techniques and predict the various kinds of pattern layout.

I.Draft and grade the Patterns for the following

a) Sleeve

1. Plain sleeve
2. Puff sleeve at top and bottom
3. Bell sleeve
4. Raglan sleeve
5. Cap sleeve
6. Kimono sleeve
7. Bishop sleeve
8. Leg-of-mutton sleeve
9. Petal sleeve

b) Collar

1. Cowl Collar
2. Crew Collar
3. Detachable Collar
4. Jabot Collar

5. Johnny Collar
6. Mandarin Collar
7. Notched Collar
8. Peter Pan Collar
9. Pointed Flat Collar
10. Polo Neck Collar
11. Ruffle Collar (Ruff)
12. Sailor Collar
13. Shawl Collar
14. Shirt Collar
15. Turtle Neck Collar
16. Winged or Whisk Collar

c) Yoke

1. Simple Round yoke
2. Straight yoke
3. Square Yoke Pattern
4. Pentagonal yoke pattern

Text Book(s)

1. Mary Mathews, Practical Clothing Construction- Part I and II, - Cosmic Press, Madras, 1990
2. Helen Joseph Armstrong, (2014). Pattern Making for Fashion Design. 5th editions. India: Dorling
3. Kindersley
4. Gayatri Verma, (2006). Cutting and Tailoring Course. New Delhi: Asian publishers.
5. Connie Amaden Crawford, (2005). The Art of Fashion Draping III Edition. OM Books
6. International. Lori A. Knowles, (2005).
7. The Practical Guide to Pattern Making for Fashion Designers. New York: Fair Child, Publications, Inc.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- 1 <https://textilelearner.blogspot.com/2014/03/methods-off-garment-parttern-grading.html>
- 2 <https://www.threadsmagazine.com/2008/11/01/making-sense-of-pattern-grading>
- 3 <https://www.clothingpatterns101.com/pattern-grading.html>

SECOND
SEMESTER

Course Code

FIBER TO YARN SCIENCE

Core-I

Basic Knowledge in Fibre and Science

Course Objectives:

The main objectives of this course are to:

1. To facilitate the students to understand the structural features of Fibers and Yarn.
2. To investigate techniques of textile fibers and yarn with its manufacturing Process.
3. To Learn the Properties and behavior of Fibers and Yarn.
4. To Gain knowledge in Advanced Spinning System.

Expected Course Outcomes:

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

- 1 Recognize the molecular conformations of various textile fibers.
- 2 Explain the production process of various textile fibers and yarns.
- 3 Utilize the Fibers and Yarns in different fields of Textile Industry.
- 4 Analyze the structural investigations techniques of Fibers and Yarn.
- 5 Outline the Properties and behavior of textile fibers and Yarns.

Unit:1 Introduction of Textile Fibers

Introduction of textile fibers: Classification - Physical and chemical properties. Cotton: Botanical and commercial classification - Properties - End uses. Brief study about Organic cotton Flax: Properties - End uses. Brief study about organic cotton. Wool: Producing countries - Grading - Properties - End uses - Felting –Woolen and Worsted Yarns. Silk: Producing countries – Degumming – Weighting– Properties - End uses. Brief study on wild silk varieties.

Unit:2 Filament Spinning System

Methods of filament spinning. Semi synthetic fibers: Regenerated and modified cellulose - Viscose rayon process flow - HWM fibers - End uses –Brief study of Bamboo, Lyocell, Soya bean fibers.

Unit:3 Polymer Science

Polymer – Terminologies – Types of polymers & Polymerization. Synthetic fibers: Brief study about Polyamide, Polyester, Poly Acrylic and Spandex. Individual fiber properties and trade names–End uses. Drawing and effects. Texturization: definition, types, properties of textured yarn- its uses. Micro fibers.

Unit:4 Yarn Production Process

Classification of yarn types- Staple spinning system – Types. Yarn manufacturing Process: Ginning- objectives, Objectives and process sequence –Blow room, carding, Drawing, combing, simplex, ring frame, Comparison of carded and combed yarn. Principles and process sequence - Rotor spinning, Compact Spinning.

Unit:5 Post Yarn Process

Post spinning process: cone winding, Doubling, reeling- Ply yarn and single yarn Characteristics. Properties required for export quality hosiery yarns. Study of yarn twist and its importance - Various yarn & package defects. Yarn numbering systems. Blended textiles: Types of blending Benefits Double yarn Properties Uses. Classification of Sewing threads & applications core spun sewing thread – Advantages.

Text Book(s)

1. A Text Book of Fiber Science and Technology, Mishra, S.P, New Age International (P) Ltd
Publishers, New Delhi 2000.
3. Spun Yarn Technology, Eric Oxtoby, Butterworth-Heinemann, Published in 1987.
4. The Motivate Series – Textiles, Wynne, A, Publisher : Macmillan Education Ltd.,
London, 1997.
6. Hand Book of Textile Fibers – Vol. I & Vol. II. Gordon Cook, J, Wood Head Publishing
Ltd.,
Cambridge, England, 1984.
8. Man-made Fibers, Moncrieff, W, Butterworth Scientific Publication, 1975.
9. Handbook of Textile Fibers: Natural Fibers,J Gordon Cook , Woodhead publication
Limited,1984.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

10. <https://textilelearner.blogspot.com/>
11. <https://www.textiletoday.com.bd/category/innovations/fiber-yarn-fabric/>
12. <https://study.com/academy/lesson/textile-yarns-definition-types-classification.html>

Course Code

FIBER & YARN SCIENCE – PRACTICAL

Core Practical- I

Basic Knowledge in Fiber and Science

Course Objectives:

1. To train the students on identification of different kinds of fibers based on different tests and measurement of properties of fibers.
2. To facilitate the students to understand the structural features of Fibers and Yarn.
3. To Learn the Properties and behavior of Fibers and Yarn

Expected Course Outcomes:

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

Discover the natural and man-made fibres using various identification test methods.

- 2 Determine the blend proportion of different fibers from the blended material.
- 3 Calibrate the count and twist of the textile yarn.

LIST OF EXPERIMENTS

1. Longitudinal view of Natural fibers
A) Cotton B)Silk C)Wool
2. Longitudinal view of Manmade fibers
A) Polyester B) Viscose C)Nylon
3. Burning characteristic of Natural fibers
A) Cotton B)Silk C)Wool
4. Burning characteristic of manmade fibers
A) Polyester B) Viscose C)Nylon
- S. Solubility test of Natural fibers
A) Cotton B)Silk C)Wool

6. Solubility test of manmade fibers
 - A) Polyester
 - B) Viscose
 - C) Nylon
7. Determination of blend proportion of P/C blends
8. Determination of blend proportion of P/V blends
9. Determination of blend proportion of P/W blends
10. Determination of Yarn count
11. Determination of Yarn Twist

Text Books

- 1 Raoul Jewel, (2000), Encyclopedia of dress making, Delhi, APH Publishing Cooperation.
- 2 Claire B. Schaeffer (1994), Fabric Sewing Guide, Lola, Wisconsin, Krause Publishers.
- 3 Handbook of Textile fibers, Woodhead Publications, (1984).

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- 1 <https://nptl.ac.in/courses/116/102/116102026/>
- 2 https://onlinecourses.swayam2.ac.in/cec19_te01/preview
- 3 <https://textilelearner.blogspot.com/>

Course code **FASHION DRAPING PRACTICAL**

ALLIED PRACTICAL- I

Basic knowledge in pattern making, body silhouettes and various fabrics

Course Objectives:

The main objectives of this course are to:

1. To understand the basic draping & manipulation techniques.
2. To design and develop patterns for different garments based on the body measurements.
3. To interpret and transform their designs on a three-dimensional form using draping method.

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to:
 2. Prepare muslin and formulate the measurements for various garment's draping
 3. Produce the pattern blocks in dress form for various garments
 4. Create dart or pleat variations in appropriate garment patterns
-
1. Bodice - Front & Back
 2. Skirt - Front & Back and Its Types
 3. Pant - Front & Back
 4. Sleeve - Bell, Raglan, Cape, Puff, Circular, Kimono
 5. Neckline - Boat, Key Hole, Halter, Scooped, Scalloped
 6. Collar - Mandarin, Peter pan, Turtle, Ruffled & Shawl
 7. Cowls
 8. Twist
 9. Surplice
 10. Yoke - Hip Yoke, Midriff & Shirt Yoke
 11. Design and Drape one couture wear for Men & Women

Text Book(s)

- 1 Draping for Fashion Design, 5th Edition, Nuriesrelis, Hilde Jaffe and Rose Mary Torre, Pearson Prentice Hall Publications, United States, 2012.
- 2 The Art of Fashion Draping, Connie Amadan Crawford, Fair Child Publications, New York, 2005.
- 3 Draping for Apparel Design – 3rd Edition, Helen Joseph and Armstrong, India, Bloomsbury Publications India Ltd, 2013.
- 4 Cutting and Draping Special Occasion Cloths: Designs for Party wear and Evening wear, Dawn Cloak, London, Batsford, 1998.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- 1 <https://style2designer.com/apparel/draping-mannequin/what-is-draping-technique-and-its-process/>
- 2 <https://www.aicp.fr/portfolio-items/moulage-technique-du-moulage/?lang=en#:~:text=Draping%2C%20the%20most%20ancient%20of,to%20create%20a%20fabric%20prototype>

Course Code **BASIC ILLUSTRATION & SKETCHING - PRACTICAL**

Allied Practical-I

Basic Knowledge in Garment Machineries

Course Objectives:

1. Students will learn the basic objects drawing and shades.
2. They will learn basic head theories and draw human figures at different angles
3. They will create garment design for various seasons on fashion figures.

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to:
 2. Compose various types of garment and its parts
 3. Design different kinds of accessories and ornaments
 4. Deconstruct the various head theories of human figures, features and different positions of body parts.
-
1. Different types of collar, Sleeve, Neckline and skirts.
 2. Different types of ladies tops, Shirt, Pant(Full and half)
 3. Different types of Accessories – Bags ,footwear , hats etc
 4. Different types of Ornaments
 5. Facial features – Eyes ,nose , lips, Ears
 6. Face ,hands legs – Different positions
 7. Lay figure -7 1/2 head
 8. Fashion figure -8 , 10 ,12 head.

Text Book(s)

1. Patric John Ireland, Fashion Design Illustration –Women, B.T.Batsfort Ltd, London(1993).
2. Patric John Ireland, Fashion Design Drawing and Presentation, B.T.Batsfort Ltd, London(1982).
3. Patric John Ireland, Fashion Design Illustration –Men, B.T. Batsfort Ltd, London(1996).
4. Wolfgang. H. Hageney, Checks And Stripes –Classic Variations in Colour Vol.I, Belveden(1997).

THIRD
SEMESTER

Course Code

FABRIC SCIENCE

Core-II

Basic Knowledge In Fabric Science

Course Objectives:

1. To impart knowledge on woven fabrics
2. To help students understand fabric formation process.
3. To impart knowledge on woven fabric Designs and Structures.

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to:
2. Clarify the preparatory processes involved in the woven fabric production.
3. Explain the principles of sizing process and its methods.
4. Infer about the basic mechanism of loom and its structure.
5. Categorize the woven fabrics and its structure
6. Differentiate the types of looms and jacquard mechanisms involved in woven fabric
7. production.

Unit:1 Preparatory Process

Classification of fabric forming methods – Weaving preparatory processes - Objects of winding process – Winding types – Passage of material through high-speed automatic cone winding machine – Passage of material through precision winding machine – Winding terminologies, open wind and close wind – Winding defects, causes & remedies. Pirn winding – Objects - Passage of material through an automatic high speed pirn winder.

Unit:2 Sizing Process

Objects of warping – Types of warping – Passage of material through high-speed modern beam warping machine & sectional warping machine – Warping defects, Causes & remedies. Objects of sizing – comparison of two cylinder, multi cylinder & hot air sizing machines – Sizing ingredients & their functions – Size paste preparation – Sizing defects, causes & remedies

Unit:3 Basic Mechanisms of Looms

Passage of material through a plain power loom – Basic mechanisms of a loom – Primary, secondary & auxiliary motions – Tappet shedding – Cone over pick & under pick mechanisms – Beat up mechanism – Types of let off & take up mechanisms – Fabric defects, causes & Remedies

Unit:4 Weaving and its types

Introduction to weaves – Weave diagram – Plain weave & derivatives – Twill weave & derivatives –

Satin & sateen weaves – Ordinary and Brighton Honey Comb; Huck-a-Back; Mock Leno; extra warp and extra weft figuring – single and double colour.

Unit:5 Loom types

Objects of dobby & jacquard mechanisms – Types of dobby & jacquard – Study of negative & positive dobbies – Study of single cylinder & double cylinder jacquard mechanisms. Shuttle less looms: Introduction - Advantages - Types of shuttle less looms: projectile, rapier, air jet, water jet and multi phase weaving.

Text Book(s)

1. R.Marks, A.T.C. Robinson, Principles of Weaving, The Textile Institute, Manchester(1976)
2. B.Hasmukhrai, Fabric Forming, SSM ITT Co operative stores Ltd, Komarapalayam(1996).
3. K.T.Aswani, Fancy Weaving Mechanism, Mahajan Book Distributors, Ahmadabad(1990).
4. N.Gokarneshan, Fabric Structure and Design, New Age International Publishers,New Delhi(2004).

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.cottonworks.com/topics/sourcing-manufacturing/weaving/basic-woven-designs->
2. [introduction-to-woven-fabric/](#)
3. <https://www.textileschool.com-453-wovendesign->
4. <https://www.intechopen.com/books/advances-in-modern-woven-fabric-technology/color-and->
5. [weave-relationship-in-woven-fabric](#)

Core-X**Basic Knowledge about garment and fabric care****Course Objectives:**

1. This course facilitates an understanding, care and maintenance of textiles and orients the learners in the field of clothing industry.
2. The learners are expected to know the laundry soaps, Laundry equipment and dry cleaning in textile industry.
3. Impart the knowledge of machines and equipment used in washing, storing, and ironing process.

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to:
2. Identify the suitable methods of washing, drying, ironing and storing
3. Evaluate the methods and equipment to be used for the better life of clothes
4. Appraise the stiffening agents used in fabric washing.
5. Recognize the principles of washing and its facts.
6. Analyze the special types of laundry for special fabrics and care label symbols.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

Unit:1 Clothing Care Essentials

Water- hard and soft water, Determination of water hardness methods of softening water. Zeolite or Base exchange method. Laundry Cl soaps – Manufacture of soap and methods, composition of soap, types of Soap, soap less detergents, chemical action, detergent manufacture, advantages of detergents. Difference between soap and detergents.

Unit:2 Laundry and Drying Equipment

Laundry equipment and reagents: Study of laundry equipment and laundry reagents - soaps - detergents - cleaning action of soaps, indigenous cleaning agents - rita nut - shikakai - green gram - bran solution – study of modern and industrial cleaning agents

Unit:3 Finishes and stiffening agents

Stiffening Agents: Study of stiffening agents –purpose of stiffening-classification of stiffening Agents preparation and uses of stiffeners – natural and commercial starches – reparation of starch for use – bleaching agents - bluing and tinting agents and their application–optical whiteners.

Unit:4 Principles of Washing

Washing Machine And Care Labels: Study of different types of house hold/industrial washing machine- rotary - swirling - pressure - tumble wash etc; the various systems of care labeling - washing instruction. Bleaching instruction – drying instruction-ironing instruction-dry cleaning instruction. Placement of labels on garments.

Unit:5 Special Types of Laundry & Care Labels

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

Text Book(s)

1. DantyaGIS, —Fundamentals of Textile and Their Care||, Oriental Longmans Ltd, New Delhi, 1996
2. Denlkar, —Household Textiles and Laundry Work||, Atma Ram and Sons, Delhi, 1993
3. Neomi D'Souza, —Fabric Care||, New Age International Publisher, 1998
4. Davis, —Laundry and Clothing Care||, Drama Book Publishers, 1995

Related Websites

<https://www.bhg.com/homekeeping/laundry-linens-cloths-how-to-wash-clothes-by-hand/>

<https://textilelearner.blogspot.com/2013/07/textile-finishing-processing.html>

Course Code FABRIC SCIENCE PRACTICAL

Core Practical-III

Basic Knowledge In Fabric Science

Course Objectives:

1. To impart the knowledge about the physical property of textile & their testing procedures and to develop an understanding of the principles involved in testing.
2. To identify the different types of weaves
3. To understand the woven fabrics designs

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to
2. Calibrate design, draft and peg-plan for simple woven fabrics.
3. Determine the designs for decorative woven fabrics.
4. Formulate the draft and peg-plan for decorative woven fabrics

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

1. To analyse the following particulars of the woven fabrics: Woven structural analysis:
Design, Draft, Peg-plan
2. Plain weave and its derivatives
3. Twill weaves – 2/1, 3/1.
4. Satin / Sateen
5. Honey comb
6. Huck – a – back
7. Crepe weaves
8. Extra Warp
9. Extra Weft
10. Mock leno
11. Pile weave
12. Fancy weave
13. Single Jersey knit
14. Interlock knit
15. Rib

Text Book(s)

1. Principles of weaving, R. Marks, A.T.C. Robinson, Publication by the textile institute Manchester (1976)
2. Fabric forming, B. Hasmukhroi, Publication by SSM ITT Cooperative stores Ltd, Komarapalayam (1996)
3. Weaving mechanism Vol 1 & Vol 2, Prof. N.N. Banerjee, Published by Srimati. Tandra Banerjee, West Bengal (1999)

4. Mechanism of Weaving machines, Prof. J.L. Chakravorty, Srimati B. Chakravorty, Serapur,
5. Publication by West Bengal, 1984
6. Handbook of Weaving, Sabit Adanur, Technomic publishing Company, Inc, USA (2001)

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://www.cottonworks.com/topics/sourcing-manufacturing/weaving/basic-woven-designs-introduction-to-woven-fabric/>

<https://www.textileschool.com-453-wovendesign->

<https://www.intechopen.com/books/advances-in-modern-woven-fabric-technology/color-and-weave-relationship-in-woven-fabric>

Course code CHILDREN'S APPAREL PRACTICAL

Core Practical-V

Basic knowledge about knit fabric

Onwards

Course Objectives:

1.Designing, drafting and constructing the following garments for the features Prescribed 2.List the measurements required and materials suitable Calculate the cost of the garment 3.Calculate the material required-Layout method and direct measurement Method

Expected Course Outcomes:

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

- 1 Design and generalize the measurements for the various kids' garments. P3
- 2 Prepare patterns and calculate material requirement for the designed kid's wear. P3
- 3 Construct the designed kid's garment and calibrate the cost of the garment.P5

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

1. Bib- Variation in outline shape
2. Panty-plain or plastic lined panty
3. Jabla- without sleeve, front open (or) Magyar sleeve, back opens
4. Baba suit- knicker with chest piece attached (or)Romper
5. A-Line Frock- double pointed dart, neck line and arm hole finished with facing

6. Summer frock- with suspenders at shoulder line, without sleeve/collars(or) Angel top with raglan sleeve, fullness at neck line
7. Yoke frock- yoke at chest line, with open, puff sleeve, gathered skirt9OR0 frock-with collar, without sleeve, gathered/ circular skirt at waist line(or) Princess line frock
8. Knicker- elastic waist, side pockets.
9. Shirt- open collar, with pocket

Text Book(s)

- 1 Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai(1986)
- 2 Zarapker System of Cutting- Zarapker. K. R, Navneet Publicationsltd.
- 3 Cutting & Tailoring course, Gayathri Verma & Kapil Dev, Computech Publications

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- 1 <https://epgp.inflibnet.ac.in/home/viewssubject?catid=827>
- 2 <https://www.youtube.com/watch?v=LuazkYL0j3a>
- 3 <https://www.youtube.com/watch?v=nI-shbmnuVg>

Course code

FASHION DESIGNING

Allied-III

Have basic knowledge in designing

Course Objectives:

The main objectives of this course are to:

1. Impart knowledge on design concepts in the field of fashion
2. Familiarize with the fashion cycles, consumers and theories
3. Design suitable garments for unusual figure types

Expected Course Outcomes:

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

1. Distinguish fashion and differentiate elements and principles of design
2. Generalize the colour combinations with standard colour harmonies
3. Interpret the fashion evolution, consumer groups in fashion theories and forecasting.
4. Justify the different dress designs for unusual figure types
5. Describe fashion terminologies and fashion profiles

Unit:1 Design Elements and Principles

Design- definition and types – structural and decorative design, requirements of a good structural and decorative design in dress Elements of design and its application in dress – line, shape or form, colour and texture. Principles of design and its application in dress – balance, rhythm, emphasis, harmony and proportion.

Unit:2 Standard Colour Harmonies

Colour theories; Prang colour chart Dimensions of colour- hue, value, and intensity.

Standard colour harmonies – Related, Contrasting and Neutral colour harmony; Application of Colour in principles of design- application of the same in dress design.

Unit:3 Fashion Evolution and Fashion Forecasting

Fashion evolution – Fashion cycles, Length of cycles , consumer groups in fashion cycles – fashion leaders , fashion innovators, fashion motivation , fashion victim, Fashion followers. Adoption of Fashion theories – Trickle down, trickle up and trickle across. Fashion forecasting – Need for forecasting

Unit:4 Designing Dresses for Unusual Figures

Designing dresses for unusual figures – becoming and unbecoming – for the following figure types. Stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead

Unit:5 Fashion Terminologies and Fashion Profiles

Definition and meaning of the fashion terms – fashion, style, line and collection, Mannequin and dress forms; fashion show; high fashion; Haute couture, couture and couturier; knock-off; Avant Garde; Pret – a –porter. Role/qualities of a Fashion Designer, Fashion Stylist, Fashion Journalist, Fashion Merchandiser, Fashion Director.

Text Book(s)

1. Fashion Sketch Book – Bina Abbing, Fair Child Publications, New York Wardrobe,1988.
2. Art and Fashion in Clothing Selection – Mc Jimsey and Harriet, Iowa State University Press,Jowa,1973.
3. Fashion from Concept To Consumer – Frings Gini Stephens, Pearson Education, US, 1998.
4. Inside the Fashion Business – Kitty G. Dickerson, Pearson Education,US, 2007.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.apparesearch.com/terms/index.html>
2. <https://www.instyle.com/fashion>
3. <https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/>

Course code **FASHION DESIGNING PRACTICAL**

Allied Practical-III -

Knowledge in Fashion Sketching

Course Objectives:

The main objectives of this course are to:

1. Familiarize with the elements and principles of design
2. Play with colours following the standard colour harmonies
3. Create garment design for various seasons on fashion figures

Expected Course Outcomes:

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

1. Demonstrate Prang colour chart, value and intensity chart
 2. Calibrate various head theories and figures for a child, women and men
 3. Sketch garment designs by using elements of design and also the applications of principles of design.
 4. Develop colour harmonies in garment design and design garments for various seasons.
1. Prepare the following Charts
 - Prang colour chart,
 - Value chart
 - Intensity chart
 2. Illustrate Human Figure for the Following Heads
 - Child - 6head
 - Women – 8 head,10 head and 12 head
 - Man – 10head
 3. Illustrate Garment Designs for the Elements of Design (3 each)
 - Line
 - Texture
 - Shape
 4. Illustrate Garment Designs for the Principles of Design

- Balance (Formal and Informal)
- Harmony
- Emphasis
- Proportion
- Rhythm (by Repetition, Gradation and Line Movement)

5. Illustrate the Colour Harmony in Dress Design

- Monochromatic
- Analogous
- Complimentary
- Double complementary
- Split complementary
- Triad
- Neutral

6. Create Garments for the Following Seasons

- Summer
- Winter
- Autumn
- Spring

Text Book(s)

1. Fashion Sketch Book , Bina Abing, Fair Child Publications, New York Wardrobe,1988.
2. Illustrating Fashion, Kathryn McKelvey and Janine Munslow, Blackwell Science,1997.
3. Art and Fashion in Clothing Selection , Mc Jimsey and Harriet, Iowa State University Press, Iowa,1973.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.idrawfashion.com/>
2. <https://www.fashionistasketch.com/drawing-faces-fashion-illustration/>
3. <https://in.pinterest.com/pin/458804280762797371/>

Course code

Visual Merchandising
NMEC
Have basic knowledge in designing

Course Objectives:

1. The subject aims to make the students different types of fabrics, yarn & its use.
2. To facilitate the students to understand the structural features of Fibers and Yarn.
3. To investigate techniques of textile fibers and yarn with its manufacturing Process.

Expected Course Outcomes:

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

1. Categorize merchandising and its scope.
2. Interpret the Display Settings and Marketing
3. Explain Inspection methods and categorize different kind of Expedition Procedure.
4. Infer about woven fabric production and the constructional parameters of fabric.
5. Generalize the Advertising process and its application.

Unit I

Introduction to Visual Merchandising Visual merchandising and display; Purpose of visual merchandising; Store image; Target customers; Seasonal visual merchandise; Windows

Unit II

Display and Display Settings Types of display; Promotion vs. institutional display; Type of display setting Attention drawing devices: Colour; Lighting; Line and composition; Scale; Contrast; Repetition; Humour; Surprise and shock;

Unit III

Inspection and its types – Testing – Check points before cutting - Pilot run or trial run and its importance –Approvals - Types of approvals – Shipping marks – Final inspection procedures – Self, Second and Third party inspection - Effective expedition procedures.

Unit IV

Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types. Documents recording and maintenance – Claims and reasons for claims - Factory audits – Buyer's code of conducts.

Unit –V Advertisings

Advertising- scope, importance, types, merits & demerits; sales promotion, personal selling. Retail management. Export associations – Apparel Export Promotion Council – Journals and magazines related to apparel and textiles –Trade shows and Fairs – Participation in trade shows – Advantages of trade shows and fairs - Apparel & Textile Trade shows and fairs in India.

Text Book(s)

1. Jeannette Jarnow, Dickerson, Inside the Fashion Business, Prentice hall, USA.

2. 2. Darlie Koshy, Effective export marketing of Apparel, Global business press, 1996.
3. 3. Fashion Merchandising, Elian Stone,
4. 4. Apparel Merchandising, An integrated Approach, Krishnakumar, M, 2010, Abishek Publications
5. 5. Apparel Merchandising, Robin Mathew, Book Enclave Publishers, Jaipur

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://nptl.ac.in/courses/116/102/116102026/>
2. <https://www.intechopen.com/books/advances-in-modern-woven-fabric-technology/color-and-weave-relationship-in-woven-fabric>
3. <https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html>

FOURTH
SEMESTER

CORE – IV - HISTORIC COSTUMES AND TEXTILES

Knowledge in Historic Costume

COURSE OBJECTIVES:

- ❖ Imparting Knowledge of textiles through the sense of design.
- ❖ To understand different type costumes to influence the various states.
- ❖ To understand the symbolism of traditional embroidery through motifs

COURSE LEARNING OUTCOMES (CLOs)

1. By the end of the course, students will be able to
2. Identify a specific textiles of India on the basis of colours, motifs, layouts.
3. Classify the regional costumes of India.
4. Classify the regional costumes of India.
5. Understand the evolution of Indian jewellery over a period time.
6. Classify the regional embroideries of India.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

Unit-I Woven textiles of India Beginning of Costume

Woven textiles of India Beginning of Costume, Growth of Dress out of painting, cutting etc, Study of dyed and printed textiles of India –Bhandhani, patola , ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/ Chanderi brocades, baluchar, himrus and amrus, Kashmir shawls, pochampalli, silk sarees of Kancheepuram.

Unit-2 Regional costumes of India Costumes of India

Regional costumes of India Costumes of India – Traditional Costume of different States of India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka ,Assam, Orrisa, Bihar, Mizoram, Tripura ,Nagaland, W. Bengal, Sikkim

Unit-3 Regional costumes of India Traditional Costume of different States of India

Regional costumes of India Traditional Costume of different States of India; Maharastra, Rajasthan, Haryana, Himachal Pradesh, Uttarpradesh, Jammu and Kashmir, Gujarat, Madhya pradesh.

Unit-4 Evolution of Indian Jewellery

Evolution of Indian Jewellery Indian Jewellery – jewellery used in the period of Indus valley civilization, Mauryan period , Gupta Period , the Pallava and Chola Period ,Symbolic Jewellery of South India, Mughal period. Temple Jewellery of South India, Tribal jewellery A brief study of gems and precious stones.

Unit-5 Traditional Embroideries

Traditional Embroideries Traditional embroideries of India – Origin ,Embroidery stitches used – embroidery of Kashmir , Phulkari of Punjab ,Gujarat – Kutch and Kathiawar, embroidery of Rajasthan , Kasuti of Karnataka, Chickenwork of Lucknow, Kantha of Bengal – in all the above – types and colours of fabric /thread.

COMPULSORY

1. Indian Jewellery – M.L Nigam, Lustre Press Pvt Ltd ,India (1999)
2. Indian Costume- G.H Ghosye,Popular Books Pvt Ltd
3. The costumes and textiles of India – Jamila Brij Bhushan, D B Taraporevala Sons & Co, Bombay (1958).
4. Costumes of India –Dorris Flyn, Oxford andIBH Publishing Co ,Delhi (1971).
5. Costumes of India and Pakistan – Das S.N , DB Taraporevala Sons and co, Bombay(1956).

ALLIED –III- DYNAMICS OF FASHION

Knowledge in Fashion

COURSE OBJECTIVES:

- ❖ Imparting Knowledge of textiles through the .sense of design.
- ❖ To understand different type costumes to influence the various states.
- ❖ To understand the symbolism of traditional embroidery through motifs

COURSE LEARNING OUTCOMES (CLOs)

7. By the end of the course, students will be able to
8. Identify a specific textiles of India on the basis of colours, motifs, layouts.
9. Classify the regional costumes of India.
10. Classify the regional costumes of India.
11. Understand the evolution of Indian jewellerys over a period time.
12. Classify the regional embroideries of India.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

UNIT - 1 Origin of Fashion

Origin of Fashion – Importance of fashion - Development of fashion, Components of fashion - , Design Details, Texture ,Color and Silhouette . Types of silhouette – Natural Body, Slim line, Wedge , Hour Glass , Extreme Volume Silhouette.

UNIT - 2 Fashion Focus

Fashion Focus – The designers Role , The Manufacturers Role, The Retailers Role . Scope of Fashion Business – Primary Level, The Secondary Level , The retail level and the Auxiliary level. Study about International Designers – Fashion related cycle and theories.

UNIT - 3 The Movement of Fashion

The Movement of Fashion - Factors influencing fashion movement -Accelerating factors, Retarding factors, and Recurring fashions. Predicting the movement of fashion.

UNIT - 4 Types of designers

Types of designers – High fashion Designer, Stylist, and Freelance Designer. Sources of design inspiration. Indian fashion Designers- Manish Malhotra, Ritu kumar, Ritu berri, Tarun Tahilani, Wendell Rodricks, Abu Jani and Sandeep Khosla, JJ Valaya, Rina Dhaka, Manish Arora, and Rohit Bal.

UNIT – 5 Study of International Fashion centers

Study of International Fashion centers – France, Italy, England , Germany, Canada , New York . Study of International Fashion Brands – Women's Wear, Men's Wear, Kids Wear, Sports Wear, Cosmetics and Accessories.

TEXT BOOKS:

1. Elaine stone. 2001. The Dynamics of Fashion. Fair child publications, New York.
2. Gini Stephan Friengs . 1999. Fashion from concept to consumer. [Sixth Edition]. Prentice Hall.

REFERENCE BOOKS:

1. Ellen Diamond. 2007. Fashion Retailing. Pearson Education. INC and Dorling Kinderley Publishing, Delhi.
2. Kitty G, Dickerson. 2005 . inside the fashion Business . Pearson Education. INC and Dorling Kinderley Publishing, D

Course code

TEXTILE PROCESSING

Core-VI

Basic knowledge in Textile Processing

Course Objectives:

The main objectives of this course are to:

- Dye the fabrics using the suitable dyes
- Prepare the chemical for f Processing
- To enable students on eco – friendly processing in textile

Expected Course Outcomes:

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

1. Familiarize with the Process sequence in a textile industry
2. Revise and experiment the basic preparatory processing for fabrics
3. Apply the dyes and dyeing methods
4. Understand the various dyeing machines
5. Analyse the pollution created by the textile industry and the need for effluent
6. treatment

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

Unit:1 Wet Processing Process and Basic Finishes

Introduction to textile processing-process sequence-impurities present in grey fabric. Desizing-objects & types-acid, Enzyme desizing. Scouring- objects & types-open scouring, kier boiling

Unit:2 Bleaching- objects & types,

Bleaching- objects & types, chemicals used-hypochlorite, hydrogen peroxide bleaching. Scouring and bleaching of wool, silk, nylon & polyester. Mercerization- objects & types chain, chainless mercerizing.

Unit:3 Dyes and Dyeing Machines

Dyeing-objects, parameters of dyeing, classification of dyestuff according to their chemical structure and specific application. Dyeing of cotton with direct, reactive, vat, sulphur and azoic dyes, polyester with disperse dyes, silk with acid and basic dyes and natural dyes.

Unit:4 Concept of Dyes and Dyeing Machines

Concept of Dyeing machines – fiber, yarn and fabric dyeing machines – working principles of cheese-hank package – winch – HT Beam, jet – padding mangles-soft flow. Wet processing of Knitted fabric – scouring

– Bleaching- dyeing – printing- Shrink controlling - steaming. Loose stock dyeing machine.

Unit:5 Effluent treatment methods

Colour fastness to washing-light, rubbing and perspiration. Computer colour matching. Study of Eco - friendly chemical processing. Effluent treatment methods – colour removal -bio degradation.

Text Book(s)

1. Shenai V.A.” Technology of textile processing” Vol. III, V,VII Sevale publications, Bombay 1981.
2. Bleaching and Mecerization-E.R.Trotman,Charles griffin co, London 1993.
3. COTeSxTtiUleMpErinDtiEnSgI-GDnr.VA.AN.DShFeAnnSaHi,IsOevNak publication Mumbai 1991.
4. Textile Finishing-Dr.V.A.Shennai,sevak publication Mumbai 1991.
5. Manivasakam.N. Treatment of Textiles Processing, Effluents, Sakthi Publications, Coimbatore, 1995.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://textilecourse.blogspot.com/2018/08/working-process-printing->
2. <http://www.neoakruthi.com/blog/etp-for-textile-industry.html>
3. <https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html>
4. <https://www.textileschool.com/343/fabric-wet-processing-techniques/>
5. <https://www.fibre2fashion.com/industry-article/1699/special--finishes-to-garment-an-overview>

Course code

TEXTILE PROCESSING PRACTICAL

Core Practical-VII

Basic knowledge about Textile Processing Practical

Course Objectives:

The main objectives of this course are to:

1. To gain a practical on-hand training on preparatory process.
2. To understand the technical importance of wet processing.
3. To plan various process requirements for dyeing.

Expected Course Outcomes:

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

1. Prepare the samples by pre-treatment process and calculate weight loss percentage.
2. Formulate the recipe for the fabric sample dyeing
3. Produce the sample by formulated recipe and calibrate shade percentage.

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

Preparation of samples for Processing:

- Desizing
- Scouring
- Bleaching
- Mercerising

Dye the given fabric using suitable dye:

- DirectDye
- SulphurDyes
- VatDye
- DisperseDye
- ReactiveDyes
- AcidDye

Text Book(s)

1. AATCC Garment wet processing Technical manual (1994)
2. Textile processing and properties, Preparation, Dyeing, Finishing & Performance, Tyrone
3. Vigo, elsewhere publishing, Netherland
4. Textile Wet processing, Manoj Dole, Manoj Dole Publications Co. India (2018)

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://britannica.com/topic/textile/dyeing-and-printing>

Core Practical-VI

Basic knowledge about women's garment designing

Course Objectives:

The main objectives of this course are to:

1. Design Garments for women
2. Impart Skills in pattern drafting
3. Construct garments by sewing

Expected Course Outcomes:

1. On the successful completion of the course, student will be able to:
2. Design and generalize the measurements for the various women's' garments.
3. Prepare patterns and calculate material requirement for the designed women's wear.
4. Construct the designed women's garment and calibrate the cost of the garment.

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

1. Calculate the material required –Layout method and Direct measurements method
2. Saree Petticoat- Six Panel, Decorated bottom.
3. Skirts – Circular/umbrella/panel with style variations.
4. Blouse- front open, Fashioned neck, Waist band at front, with sleeve. 4.Salwar (or) Churidhar (or) Parallels (or) Bell Bottom
5. Kameez – with /without slit, with or without flare ,with /without opening ,with or without panels, with /without yoke.
6. Nightie –With yoke, front open , with sleeve , full length.
7. Ladies pant- waist band , zip attached ,tight fitting / parallel pants.
8. Short kurta / top – Decorative / surface design in tailored placket, with or without collar.

Text Book(s)

1. Scientific garment quality –K M Illege and Sons , Plot No. 43 , Somuvar Peth pune411011
2. Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai(1986)
3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college32

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://www.patternsonline.com-default.aspx>
<https://shoeguide.com/>

SBEC-I

Basic knowledge about Embroidery

Course Objectives:

1. To impart knowledge to the students about the hand and machine embroidery.
2. To learn the various types of stitches.
3. To provide opportunity for skill development in designing accessories.
4. To impart knowledge on fashion accessories & creativity.

Expected Course Outcomes:

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

1. Produce the hand and machine embroidery samples
2. Prepare decorative samples using beads or mirrors or sequins or etc.,
3. Develop complex fashion accessories by learning to design different accessories manually

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

A. Prepare samples for the following

1. Hand embroidery – 20 stitches -10 samples
2. Machine embroidery -7stitches -3 samples.
3. Applique (machine / hand)- 3 types
4. Smocking – 4 types
5. Bead Work -1 sample
6. Sequins work -1 sample
7. Zardosi work -1 sample
8. Tassels and fringes -2-3samples.
9. Mirror work –Shapes (Round, square, diamond) - 3 samples
10. Fixing the stones-1 sample.

B. Traditional surface ornamentation practices with two to four variations in the following,

1. Kantha

2. Chikan
 3. Kasuti
 4. Zardosi
 5. Kutch work
 6. Mirror work
 7. Aari work
 8. Phulkari work .
- C. Crocht
- D. In embroidery practical add
- E. Hand bag - Any 3 types
- F. Hat - Any 2 types
- G. Bow - Decorative bow & formal bow
- H. Purse & pouches - any 2 types

Text Book(s)

1. Scientific garment quality –K M Illege and Sons , Plot No. 43 , Somuvar Peth pune411011
2. Shailaja D. Naik, Traditional embroideries of India, APH Publishing (1996)
3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college32
4. Libby Moore Thread folk, a Modern Maker’s book of Embroidery, Project & Artist Collaboration, Paige Tata & Co.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://sueguide.csom/smocking/>

Course code

**FASHION BUSINESS
NMEC-II
Have basic knowledge in Fashion Business**

Course Objectives:

The main objectives of this course are to:

1. To make the learners to know the basic communication process.
2. To understand fashion communication process

Expected Course Outcomes:

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

1. Infer about Fashion Communication Process and its types
2. Interpret the Fashion Communicative devices in commercial publicity
3. Explain development of specific communication skills

Unit I Basic Communication

Fashion Communication Process, Problems and Networks. Fashion Verbal Communication. Language as a vehicle of communication, Non-Verbal Communication.

Unit II Inter Personal communication

Study and practical of inter-personal, small group and presentation skills essential to effective social, business and professional interaction. Fashion Communicative devices in commercial publicity: letter styles, designs, pictorial presentation, slogans, colour variations.

Unit III Cultural and Inter cultural Communication

Cultural and intercultural communication theory and behaviour, development of specific communication skills for effective inter-cultural communication. Unit IV Group Discussions Principles and methods of modern group discussions, press conferences, interviews, seminars.

Unit V Fashion Business

Business of fashion, Scope, forms of business ownership, growth and expansion. Industry trends, Market trends, Trade shows, Development of regional fashion centres, Fashion advertising.

Text Book(s)

1. Fashion Sketch Book – Bina Abling, Fair Child Publications, New York Wardrobe, 1988.
2. Fashion from Concept to Consumer – Frings Gini Stephens, Pearson Education, US, 1998.
3. Inside the Fashion Business – Kitty G. Dickerson, Pearson Education, US, 2007.

Related Online Contents

1. <https://www.apparesearch.com/terms/index.html>
2. <https://www.instyle.com/fashion>
3. <https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/>

FIFTH
SEMESTER

Computerized color Matching System. Brief study of Designing Soft wares used in textile industry.

Contemporary Issues

Expert lectures, online seminars – webinars

Text Books

- 1 Pattern Cutting For Clothing Using Cad: How To Use Lectra Modaris Pattern Cutting Software - Stott M, Woodhead Publishing Ltd, 2012
- 2 Pattern Cutting And Making Up Revised Edition - Shoben M M , CBS Publishers and Distributors, 2000
- 3 Computer Aided Design & Manufacturing (Test CAD Programs Inside), Sadhu Singh, Khanna Publications, 1998.

Course code COMPUTER AIDED DESIGNING PRACTICAL

Core- Practical VIII

Knowledge and skills in manual pattern

Course Objectives:

The main objectives of this course are to:

- 1 Acquire skills in developing patterns through computer software.
- 2 To understand the basics of CAD software
- 3 Drafting, Grading and Marker planning of garment patterns using new advance software.

Expected Course Outcomes:

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

- 1 Draft the pattern for various kid's, women's and men's wear
- 2 Grade the pattern blocks into various sizes.
- 3 Create marker planning for the pattern for cutting with higher efficiency
 - Draw the dress design using Corel draw software
 - Draw the dress design using adobphotoshop software

Unit: 1 Children's wear

Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments

- 1 Yoke frock
- 2 Baba suit
- 3 Summer frock
- 4 Skirt and tops

Unit: 2 Women's wear

Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments

- 1 Salwar
- 2 Kameez
- 3 Tops
- 4 Nighty

Unit: 3Men's wear

Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments

- 1 Full sleeve shirt
- 2 T-Shirt
- 3 Bermudas
- 4 Pleated trouser

Text Books

<https://medcraveonline.com/JTEFT/various-approaches-in-pattern-making-for-garment-sector.html>

https://www.youtube.com/watch?v=jTWtQNTJt_A

<https://www.youtube.com/watch?v=iX7O4X7O4fNQijA>

Course code

TEXTILE FINISHING

Core VIII

Basic knowledge in garment production processes

Course Objectives:

- 1 To impart knowledge & understanding of chemistry, mechanism & application process of various textile finishes.
- 2 It aims to enhance the awareness of future trends in textile finishing.
- 3 To impart the knowledge about finishing methods of fabric based on their function.

Expected Course Outcomes:

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

- 1 Distinguish the method & application of finishes on different textile substrates.
- 2 Generalize the process sequence of mechanical finishes on textile materials.
- 3 Interpret the functional finishes on textile materials
- 4 Infer about the advanced finishes carried out on textiles
- 5 Discover the special finishes on textile materials.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

Unit:1 Finishing

Finishing - Introduction – Objects of finishing, Importance of finishing, Classification of finishes, Advantages of finishing.

Unit:2 Mechanical Finishing

Mechanical Finishes- Beetling, Shearing, Calendaring, Tentering, Moiering, Embossing, Glazing, Napping, Chemical Weighting of Silk, Sizing, Sanforizing, Schreinerer, Wrinkle free finish.

Unit:3 Functional Finishing

Functional Finish - Resin finish, Water Proof finish, Water Repellent finish, Antimicrobial finish, Flame Retardant finish, Soil Release finish - Process and Recipe, Types and Method of Fusing, Welding and Adhesives, Molding.

Unit:4 Advanced Finishes

Advanced Functional Finish - Stiff finish - Process and Recipe, Softening - Silicone finish, Denim finish, Stone Wash finish, Anti - Pilling finish, Anti Mildew finish.

Unit:5 Special finishes

Special Finishes On Garments–Finishing of Woven/Knitted garments–Stoneless, Stone Wash effects– Mud wash, Ion wash, Chalk wash, Water resistant Breathable finish, Bio polishing, Leathery Finish, Protective Finishes–Deodorizing, Cool Finish and Thermo stat finishes.

Text Book(s)

- 1 Shenai and Saraf. 1995. Technology of Textile Finishing. Sevak publications.
- 2 Nallangilli and Jayaprakasam. 2005. Textile Finishing. S.S.M Institute of Textile Technology.
- 3 Prayag. 1996. Technology of finishing. Shree J. Printers, Pune

Related websites

- 1 <https://nptl.ac.in/courses/116/102/116102054/>
- 2 https://ugcmoocs.inflibnet.ac.in/ugcmoocs/view_ug.php/130

Course code **INTERNSHIP TRAINING (Viva-voce)**

Core Practical- IX

Gain Practical insights of the industry / company

Course Objectives:

The main objectives of this course are to:

- 1 Expose the students to the work environment
- 2 Familiarize and adapt to the workplace
- 3 Understand the methods, techniques and practices followed in the place of training

Expected Course Outcomes:

- 1 On the successful completion of the course, student will be able to:
- 2 Generalize working structure of the industry/ company
- 3 Analyze the methods adopted in the training place
- 4 Recognize the challenges in the training place
- 5 Discover the nuances of the workplace and appreciate it

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

No CIA, Report: 80 marks and Viva: 20 marks

Details of the Training

The student should undergo 15 Days Internship training in a Textile Processing Unit/ Designer House / Buying House/ Garment Unit / Retail house after IV semester theory exam / before the start of Fifth Semester (Total Marks – 50, No CIA, Report: 80 marks and Viva: 20 marks)

Purpose of the Internship Training

The training bridges the gap between the theoretical knowledge gained in the college and the practical application of the same in the industry / company / stores

The student will have a better exposure about the workplace and its nuances

Process to be Followed

Students can identify their area of interest. Industry / companies have to be identified and a profile of the company has to be analysed at least a month earlier. Contacts can be established by the guides allotted to the student. Prior permission has to be obtained from the place of training.

After confirmation, the student will undergo training for a period of 15 working days.

Instructions to the Students

The students should abide by the rules and regulations of the concern and get the maximum benefit from the training. The students should maintain a daily logbook where the student should record his details of the training.

A copy of the record has to be sent to the supervisor allotted to the student. The logbook must be signed (with seal) by the staff of the company. Based on the study done, the student will submit a report to the guide within a weeks' time along with the logbook. Incase of any problems, the student should reach out to the supervisor immediately

Instructions to the Supervisor

The supervisor should establish contacts with the place of training. A routine follow up has to be done with the student once in two or three days. Problems, if any faced by the student should be sorted out immediately.

Training Report and Presentation

Training Report (30 – 50 pages) should be prepared by the student and submitted in a month's time. At the end of the semester student should present the report with a power point presentation

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.wikihow.com/Write-a-Report-After-an-Internship>
2. <http://mfe-iseah-kef.blogspot.com/2013/11/internship-daily-journal.html>
3. https://www.academia.edu/25257761/Student_Internship_Logbook
4. <https://www.indeed.com/career-advice/career-development/how-to-write-an-internship-report>
5. <https://valenciacollege.edu/students/internship/documents/ActivityLog.pdf>
6. <https://www.template.net/business/log/internship-time-log/>

PRINTING TECHNOLOGY

CORE – IX

COURSE OBJECTIVES:

1. To impart the various terminology used in textile printing.
2. Styles and methods involved in printing.
3. Various effects produced by various styles of prints.
4. Limitation of the printing methods

COURSE LEARNING OUTCOME

1. Understand the concept of colour and its measurement techniques.
2. Apply the process of dyeing of various fibers with different dyes
3. Understand the mechanism of dyeing with different dyes.
4. Understand the methods and styles of printing.
5. Describe the Advanced printing techniques

Unit-1 Introduction to Printing

Printing – Introduction to printing , differences between printing and dyeing, preparation of fabric for printing – cotton , linen, polyester, wool and silk, preparation of printing paste, selection of thickening agents.

Unit-2 Different styles of printing

Styles of printing-Direct printing : Block printing –, Preparation of design , Blocks, print paste and printing process. Stencil printing –preparation of fabric , stencils (For one or more colour) Materials used for preparing stencils, process involved and techniques used . Resist printing: Batik printing- wax used, Equipment required, process sequence and techniques used. Tie and dye – Equipment required, process sequence and techniques used.

Unit-3 Printing Machines

Screen printing- preparation of screen, printing paste, printing process–Table screen printing, Flat bed screen printing machine, Rotary screen printing machine. Discharge printing-chemicals used, process involved.

Unit-4 Methods of Printing

Methods of Printing, Block, Flat, Rotary Screen, engraved Roller, Transfer, Duplex printing, Pigment Printing, Batik, Khadi .

Unit-5Printing Techniques

Advanced printing techniques-electrostatic, digital, sublimation. Othe printing methods :Ink jet printing, Heat transfer printing , photo printing. Fixation and after treatment, Printing

REFERENCES

COMPULSORY

1. C.W Pellow, Dyes and dyeing , Abhishek Publications, 2000..
2. Sara J. Radolph and Anna I. Langford, Textile, Prentice Hall, New Jersey, 2002.
3. Z.J. Grosicki ,Watson's design and Colour- Elementary Weaves and Figured Fabrics
4. Charles Griffin co, Dyeing and chemical technology of textile fibers, Wood head Publishing Limited,London, 2004.
5. Shenai . V.A Technology of Textile Sevak Publication, Processing Vol.e, 306, Shri Hanuman Technology of Bleaching Ind. Estate , Edn, 3 1981., Gousmbekar Road, Wadala,Bomby-37.

Core Practical-X

Basic Knowledge about Men's apparel designing

Course Objectives:

1. To impart the practical knowledge in pattern drafting & garment construction skill in men's wear for the Students.
2. To develop creative skills in designing & constructing men's wear for different age group
3. List the measurements required and materials suitable.

Expected Course Outcomes:

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

1. Design and generalize the measurements for the various men's garments.
2. Prepare patterns and calculate material requirement for the designed men's wear.
3. Construct the designed men's garment and calibrate the cost of the garment.

K1 - P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

1. S.B.Vest – with/ without collar, button attached, sleeveless
2. Slack shirt – full open, shirt collar, patch pocket,
3. Nehru kurtha –stand collar, side pocket, half open
4. Pyjama- Elastic /Tape attached waist.
5. Pleated trousers – pleats in front, Darts at back, side pocket, fly with button/zip.
6. T-Shirt – open collar, zip attached
7. Bermudas –patch pocket

Text Book(s)

1. Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai(1986)
2. Zarpker System of Cutting- Zarpker. K. R, Navneet Publicationsltd.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://shoeguide.com/>
2. <https://www.patternsonline.com-default.aspex>

GARMENT QUALITY AND COST CONTROL

MBEC – I

COURSE OBJECTIVES:

To learn the terms of quality in textile industries

To know the uses of quality control and its specification of apparel industries

To gain knowledge in merchandising and quality standards.

To know the basic grids process for production control

COURSE LEARNING OUTCOMES (CLOs)

By the end of the course, students will be able to

1. Understanding of standards and regulations and quality control organization.
2. Acquire skills to inspect, manage and control quality in the textile industry.
3. Analyze the quality specifications in textile
4. Examine the quality control in finished garments, packaging and warehousing
5. Discuss about cost control and types of control forms.

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

Unit -1 Basics of Quality Control

Basics of Quality Control Definition and Scope of Quality Control – Establishing Merchandising Standards–Establishing Raw Material Quality Control specifications – Quality Control of Raw Material.

Unit -2 Quality Control System Establishing

Quality Control System Establishing Processing quality specification – Training Quality Control Personnel – The Quality Standard Control – Quality Control Inspection, Procedures for processing – Quality control of finished garments – Quality control and Government contacts – Quality Control for Packaging, Warehousing and shipping – Statistical Quality Control, Sampling plans – industry – wide quality standards.

Unit -3 Basics of Production control

Basics of Production control Function of Production control – Production, Analysis – Quality Specifications – Quantitative specifications – Scope of Apparel Manufacturing Activity – Coordinating departmental Activities – Distribution of Documents and Records.

Unit -4 Production Control System

Production Control System Type of Control forms – Basic Production Systems – Principles for Choosing a Production System – Evaluating Production Systems – Flow Process Grids and Charts – Basic Flow Process Grid Construction – Flow Process Grids for Production control

Unit -5 Cost Control,

Cost Control, Function of Cost Control: Types of Costs and Expenses – Apparel Manufacturing Cost Categories – Sales Cost Control – Purchasing Cost Control – Production Cost Control – Administration cost control – Cost Ratio Policies – the manufacturing Budget – Cash flow Control – Standard Cost Sheet, Break–Even Charts

REFERENCES:

1. Patty Brown, Janett Rice,-Ready to wear apparel analysis, Prentice Hall,1998.
2. Salinger, Jacob Apparel, —Manufacturing Analysisll, New York, Textile Books Futs, 2001
3. Introduction to Clothing Production Management, A.J. Chuter, Second Edition, Black Well Publishing,
Second Edition, 2004.
4. Apparel Merchandising, Robin Mathew, First Edition, Book Enclave Publishing, 2008.
5. Textile Industry Development and Growth, Satish Tiwari, First Edition, Anmol Publications Pvt. Ltd.,
2000

SIXTH
SEMESTER

FASHION MERCHANDISING

MBEC – III

COURSE OBJECTIVES:

1. To acquaint students with various marketing and merchandising procedures
2. To introduce students to fashion retailing
3. Instruct about roles & responsibilities of merchandiser

COURSE LEARNING OUTCOMES (CLOs)

By the end of the course, students will be able to

1. Understand the elements of cost in pricing apparels
2. Learn about the Budgeting process
3. Learn about the cost estimation techniques for various fabrics
4. Understand the functions of merchandiser
5. Do planning & programming

Unit -1 Merchandising

Merchandising: Introduction, Meaning- Apparel Merchandising – Concepts of „Six Rights” – Organisation structure of an apparel industry – Classification of Exporters - Rating or Grading of export houses – Classification of buyers – Export merchandising and retail merchandising – Company profile and its contents. Types of merchandiser - Functions of a merchandiser – Essential requisites of a good merchandiser – Vendor sourcing, evaluation and development – Global sourcing – Vendor nomination by buyers – Reasons for vendor nomination.

Unit -2 Process flow in apparel industry

Process flow in apparel industry – Buyer sourcing & communication – Enquiry – Order confirmation – order review and its importance – Planning & programming: Master planning, Scheduling or route card – Factors for route card - programming for yarn, knitting, dyeing, stitching, sampling, accessories – Samples: Meaning & importance – Types of samples – expedition of samples

Unit -3 Inspection and its types

Inspection and its types – Testing – Check points before cutting - Pilot run or trial run and its importance – Approvals - Types of approvals – Shipping marks – Final inspection procedures – Self, Second and Third party inspection - Effective expedition procedures.

Unit -4 Order sheet and its contents

Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types. Documents recording and maintenance – Claims and reasons for claims - Factory audits – Buyer’s code of conducts.

Unit -5 Advertising

Advertising- scope, importance, types, merits & demerits; sales promotion, personal selling. Retail management. Export associations – Apparel Export Promotion Council – Journals and magazines related to apparel and textiles –Trade shows and Fairs – Participation in trade shows – Advantages of trade shows and fairs - Apparel & Textile Trade shows and fairs in India.

REFERENCES

1. Building Buyer Relationships, Daragho' Reilly, Jullian J. Gibbs
2. Inside the Fashion Business, Mc Millan Publishing Co.,
3. Fashion Merchandising, Elian Stone,
4. Apparel Merchanidising, An integrated Approach, Krishnakumar, M, 2010, AbishekPublications
5. Apparel Merchanidising, Robin Mathew, Book Enclave Publishers, Jaipur
6. Apparel Merchanidising, Jerry A &Rosenau, Fairchild Publications, London

ACCESSORIES MAKING PRACTICAL

CORE PRACTICAL –XI

COURSE OBJECTIVES:

1. To impart knowledge of fashion Accessories
2. To provide opportunity and to design and to develop fashion accessories

COURSE LEARNING OUTCOMES (CLOs)

By the end of the course, students will be able to

1. Understand the course develop fundamental skills and accessories design,
2. Skills to understand materials with its processes
3. construction principles of various ornaments
4. Apply the anthropometrics, basics of sizes and proportions
5. Create the fashionable properties

To create the Fashion Accessories and Ornaments

1. Hand bag – Any three types
2. Hat – Any two types
3. Bow – Decorative bow and formal bow
4. Belt – For boy and girl
5. Foot wear – Any three types
6. Jewellery designing
 - Teracotta,
 - Quilling jewellery
 - Antique jewellery,
 - Kundan Jewellery – necklace
 - earring
 - chain
 - studs
 - bangles,
 - anklets and
 - finger rings
7. Crystal jewellery, Bead jewellery, wooden jewellery
8. Purse and pouches – Any two types
9. Hair band and head bands – Any four types
10. Watches – Any two types

BOUTIQUE MANAGEMENT

MBEC II -

COURSE OBJECTIVES:

1. To enhance designing creative and innovative fashion pieces as well as enhancing the skills required to market and promote one's brand or boutique.
2. To impart knowledge of fashion design and the management of a small business
3. To impart skills in apparel production in an Industrial set-up.

COURSE LEARNING OUTCOMES (CLOs)

By the end of the course, students will be able to

1. Identify the suitable the beginning of your own business.
2. Understand to build the blueprint of the boutique
3. Appraise the types right sources for investments
4. Recognize to evergrowing industry-Interior Design
5. understand the role of small and medium scale enterprises in the industry

Unit-1 How to start a boutique

How to start a boutique, creating a business plan, finding a ideal location, financial planning.

Unit-2 Government norms to run a boutique

Government norms to run a boutique, interior designing, sourcing of raw materials, and inventory planning.

Unit-3 Buyer supplier relationships

Buyer supplier relationships, consumer relationship, tips and tricks to attract customers.

Unit-4 Essential technology to run a boutique

Essential technology to run a boutique and labour management and warehouse.

Unit-5 Quality control

Quality control, research and development and analysis, marketing and promotion ,maintenance Of boutique.

REFERENCE;

1. Opening a boutique store: how to start your own boutique, Briana Stewart Bull City publishing, 2014.
2. Fabjob guide to become a boutique owner, Tag Goulet, Debra Mikaelson, Catherine Goulet, Fabjob incorporated, 2011.
3. Fashion unraveled: How to start ,run and manage an independent Fashion Label, Jennifer Lynne Mathews, 2009.

FASHION PORTFOLIO PRESENTATION

SBEC – II

Course Objectives

1. To design and execute an organized collection of creative works
2. To make original works of art that demonstrates effective use of design principles, appropriate crafts man ship and technique.
Design collections by fulfilling the objectives of the client and user requirements.

Expected Course Outcomes:

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

1. Select a theme for different garment categories.
2. Create different portfolio boards for selected theme.
3. Construct the garments for all deigned categories.
P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

Portfolio development and Presentation technique

Part A

Portfolio Presentation - with Customer profile, Inspiration board, Mood Board, Colour board, Flat Sketch board, Illustration board, Swatch board, Trim board, Accessory board- for the following collection

- Fashion Show- with a theme – one ramp set
- Winter collection - 3garments
- Summer Collection -3 garments

Note

- Customer profile: capture photograph of your customer.
- Inspiration board: Image collection from books and magazines by scanning, Photography and drawing, use of objects for mood creation
- Mood board: develop a theme based on group discussion, mind mapping, brain storming.
- Colour board: spotting theme board, mood board and inspiration board arrive the color board.
- Flat sketch board: Develop front, side and back views

Part B

Construct the garments for all the above categories

Contemporary Issues

Expert lectures, online seminars – webinars

Text Books

1. Portfolio Presentation for Fashion Designers, Linda Tain, Fairchild Publishers (1998)
2. Fashion Design Drawing and Presentation, Patrick John Ireland, B T Batsford Ltd, 2006
3. Creative Fashion Presentation, Polly Guerin, Fairchild Publishers, 1987
4. New Encyclopedia of Fashion Details, Patrick John Ireland, Publisher: Pavilion Books, 2008
5. Check and Stripe: A Design-Source Book 2, Kyoto Shoin Company Ltd. 1992

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

https://issuu.com/theodoracucu/docs/portfolio_internship_ba

BEAUTY CARE PRACTICALS

SBEC – III -

Basic Knowledge about Makeup

Course Objectives:

1. Produce a capable & skillful workforce as required by the prevailing market demands.
2. Equip the trainees with skills & knowledge to ensure adherence to safety measures in saloon.
3. Select, operate and handle equipment according to the professional standards

Expected Course Outcomes:

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

1. Create various techniques used in beauty care
2. Design traditional and modern style makeup using different equipments.
3. Practice beauty techniques and procedures for different occasions.

P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.

following Experiments

1. Different types of haircuts, cutting techniques & blow drying of hair.
2. Traditional hair styling techniques- Rolls, Braids, interlocks, Twisting styles.
3. Henna designing, Tattoo designing & saree draping (4styles).
4. Basic Nail art techniques.
5. Facial -Skin analysis, cleaning & facial with different equipments, application of different types of packs & masks according to the skin types.
6. Different types of makeup - Daytime, Evening, Party & Bridal.
7. Pedicure & manicure.
8. Threading & waxing

Text Books

Complete Beautician Course by Renu Gupta

Be your own Beautician by Parvesh Handa

Advance makeup and hairstyle by Urvashi Dave

Related Online Contents

1. <https://bit.ly/2DB2WQM>
2. <https://youtu.be/sYoz3G2OH5g>
3. https://youtu.be/_o9cpvQPqBY