PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR
SALEM-636011

DEGREE OF BACHELOR OF SCIENCE
CHOICE BASED CREDIT SYSTEM

Syllabus for
B.Sc. FASHION TECHNOLOGY
(SEMESTER PATTERN)
(For Candidates admitted in the College Affiliated to Periyar University From 2021-2024 onwards)
REGULATIONS

I. ELIGIBILITY

II. Candidates seeking admission to the first year degree of Bachelor of Science in Fashion Technology 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.

III. DURATION

The course for the degree of Bachelor of Science Fashion Technology shall extend over a period of three academic years - 6 Semesters and each semester normally consisting of 90 working days or 450 Hours.

IV. ELIGIBILITY FOR THE DEGREE

A candidate shall be eligible for the degree of Bachelor of Science Fashion Technology, if he/she has satisfactorily undergone the prescribed courses of the study for a period not less than 6 semesters in an institution approved by the university has passed the prescribed examinations in all the 6 Semesters.

V. SUBJECT OF STUDY

The subjects of the study for the B.Sc., Fashion Technology and the syllabus for the subjects are given in the annexure.

VI. REQUIREMENT OF EXAMINATION

The theory examinations will be conducted for 3 hours by the university in the subjects prescribed for all the semesters in every semester.

The practical examinations will be conducted by the university for 3 hours with respective to allied and core practical’s in all the subjects prescribed in every semester.

VII. SCHEME OF THE EXAMINATION

The scheme of examinations for the course is given in Annexure. All the practical examinations /Internship work shall be conducted & evaluated internally by the institution themselves with internal and external examiners appointed by the university.
### Program Specific Objectives (PSOs)

**B.Sc. (Fashion Technology)**

<table>
<thead>
<tr>
<th>PSO-1</th>
<th>Gain the knowledge of fashion technology course through theory and practical oriented courses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSO-2</td>
<td>Understand good laboratory practices in garment designing and construction.</td>
</tr>
<tr>
<td>PSO-3</td>
<td>Understand the impact of the professional designing solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.</td>
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<tr>
<td>PSO-4</td>
<td>Make aware of to handle the sophisticated instruments/equipment’s at industry level</td>
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<tr>
<td>PSO-5</td>
<td>Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary field and to become a significant provider of employment and self-employment opportunities.</td>
</tr>
<tr>
<td>PSO-6</td>
<td>Develop research oriented skills and thereby build a strong foundation for higher studies.</td>
</tr>
</tbody>
</table>

### Program Objectives (POs)

**B.Sc. (Fashion Technology)**

<table>
<thead>
<tr>
<th>PO - 1</th>
<th>Inculcate the students at first to the fundamentals governing the aesthetic and design elements required for a fashion technology graduate along with the fundamentals of management aimed at sufficient skill levels required in the apparel manufacturing industry.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO - 2</td>
<td>To introduce different essential streams including apparel manufacturing technology, information technology, quality management, etc.</td>
</tr>
<tr>
<td>PO - 3</td>
<td>Impart extensive knowledge of raw materials including fabrics and trims in the formative years to enable the students to relate their understanding with apparel manufacturing.</td>
</tr>
<tr>
<td>PO - 4</td>
<td>To build upon the integration of creative forces of design with fashion technology, and also keeps in mind the historical, social and cultural contexts in which the designers work today</td>
</tr>
<tr>
<td>PO - 5</td>
<td>The culmination of the Programme leads the student researching, experimenting and implementing the skills by way of a graduation project.</td>
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<tr>
<td>PO - 6</td>
<td>Mold the students to be qualified to position themselves for diverse work profiles available in the apparel manufacturing sector.</td>
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</table>
SBEC- Skill Based Elective Courses

NMEC – Non-Major Elective Courses

MBEC – Major Based Elective Courses

VIII. PASSING RULES Theory

- 75% of the marks for external evaluation and 25% marks are allotted for internal evaluation.
- Candidate is demand to have passed to a subject, if he/she get a minimum of 40% of total marks in theory subjects with internal mark of 10 marks and external marks of 30 marks.

Practical

- 60% of the marks for external evaluation and 40% marks are allotted for internal evaluation.
- For practical subjects, the candidate should get minimum marks of 24 marks in external evaluation out of 60 and 16 marks in internal evaluation out of 40.
- For project viva voce, 80 % of the marks for project report evaluation and 20% marks are allotted for Viva voce.
- For project, the candidate should get minimum marks of 40 Marks out of 100 Marks.
### QUESTION PAPER PATTERN

#### THEORY

**QUESTION PAPER PATTERN**

**Time:** 3 Hours  
**Total Marks:** 75 Marks

<table>
<thead>
<tr>
<th>Unit</th>
<th>Section-A</th>
<th>Section-B</th>
<th>Section-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Q. 1, 2, 3</td>
<td>Q. 16</td>
<td>Q. 21a, 21b</td>
</tr>
<tr>
<td>II</td>
<td>Q. 4, 5, 6</td>
<td>Q. 17</td>
<td>Q. 22a, 22b</td>
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<tr>
<td>III</td>
<td>Q. 7, 8, 9</td>
<td>Q. 18</td>
<td>Q. 23a, 23b</td>
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<tr>
<td>IV</td>
<td>Q. 10, 11, 12</td>
<td>Q. 19</td>
<td>Q. 24a, 24b</td>
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<tr>
<td>V</td>
<td>Q. 13, 14, 15</td>
<td>Q. 20</td>
<td>Q. 25a, 25b</td>
</tr>
</tbody>
</table>
SECTION A (15 x 1 = 15)
ANSWER ALL THE QUESTIONS

SECTION B (5 x 2 = 10)
ANSWER ANY TWO QUESTIONS

SECTION C (5 x 10 = 50)
EITHER OR CHOICE
ANSWER ALL THE QUESTIONS

INTERNAL ASSESSMENT

<table>
<thead>
<tr>
<th>MARKS</th>
<th>TEST</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSIGNMENT</td>
<td>5</td>
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<tr>
<td>ATTENDANCE</td>
<td>5</td>
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</tbody>
</table>

PASSING MINIMUM (IA) 40% - 10 MARKS
PASSING MINIMUM (UE) 40% - 30 MARKS
PASSING MINIMUM TOTAL - 40 MARKS

PRACTICAL:
Time: 3 Hours
Total Marks: 60 Marks

SECTION A (1 X 20= 20) Either or Choice ANSWER ANY ONE
SECTION B (1 X 40= 40) Either or Choice ANSWER ANY ONE

INTERNAL MARKS:

<table>
<thead>
<tr>
<th>TOTAL</th>
<th>RECORD</th>
<th>25</th>
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<tbody>
<tr>
<td>SAMPLE</td>
<td>10</td>
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<tr>
<td>ATTENDANCE</td>
<td>05</td>
<td></td>
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</tbody>
</table>

TOTAL: 40 MARKS

PASSING MINIMUM (IA) 40% - 16 MARKS
PASSING MINIMUM (UE) 60% - 24 MARKS
PASSING MINIMUM TOTAL - 40 MARKS
SEMESTER I
Course Objectives:
1. To impart the students' ability to create design through flat pattern technique.
2. To impart the techniques of dart manipulation.
3. To enable the students to learn the skills of standardizing body measurements.

Expected Course Outcomes:
On the successful completion of the course, student will be able to learn as follows:
1. List out the steps in taking body measurements for gents, ladies and kids. K2
2. Explain the pattern drafting techniques for different garment blocks. K2
3. Clarify the pattern draping techniques for different garment blocks. K2
4. Analyzing the grain of fabric and predict the actual pattern size by grading. K4
5. Summarize the pattern alteration techniques and fabric layout. K2

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

Unit:1 BODY MEASUREMENTS
Importance, Preparation for measuring, Girls and Ladies measurements, Boy’s and Men’s measurements. Standardizing body measurements, Importance, Techniques used. Relative length and girth measurements. Preparation of standardized measurement chart.

Unit:2 DRAFTING
Pattern making terminology, Methods of pattern making, Types of paper patterns, Pattern making tools, Steps in drafting Bodice front, Bodice back, Sleeve, Skirt front and back, Collar- one piece, Peter pan, and shirt collar. Dart Manipulation, Technique-Slash and Spread method and Pivotal method. Study of commercial pattern, Merits & Demerits. Preparation of commercial pattern for kids. Fitting – Standards of a good fit, Steps in preparing a blouse for fitting, checking the fit of a blouse.

Unit:3 DRAPING
Draping - Definition and Meaning, Need for draping, Importance of Draping Technique, Advantages and Disadvantages, Tools and Equipment’s used for Draping, Preparation of dress form. Importance of grain, preparation of Muslin Material, straightening, tearing and pressing.

Unit:4 GRADING AND PREPARATION OF FABRIC FOR CUTTING

Unit:5 PATTERN ALTERATION AND LAYOUT
Importance of altering patterns, Principles for pattern alteration, common pattern alteration in blouse. Pattern layout - Definition, Purpose, Rules in layout, Types of layout and Special layouts. Piecing, transferring pattern markings.
<table>
<thead>
<tr>
<th>Text Book(s)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Mary Mathews, Practical Clothing Construction- Part I and II, - Cosmic Press, Madras,1990</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 <a href="https://textilelearner.blogspot.com/2014/03/methods-off-garment-parttern-grading.html">https://textilelearner.blogspot.com/2014/03/methods-off-garment-parttern-grading.html</a></td>
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<tr>
<td>2 <a href="https://www.threadsmagazine.com/2008/11/01/making-sense-of-pattern-grading">https://www.threadsmagazine.com/2008/11/01/making-sense-of-pattern-grading</a></td>
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<tr>
<td>3 <a href="https://www.clothingpatterns101.com/pattern-grading.html">https://www.clothingpatterns101.com/pattern-grading.html</a></td>
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</tr>
</tbody>
</table>
## Course Objectives:

1. To impart practical exposure in sewing operation.
2. To acquaint students with the knowledge on basic sewing techniques.
3. To impart the knowledge and skills required for garment designing.

### Expected Course Outcomes:

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

1. Assemble various seams, seam finish and bias finishing techniques using various class stitches. **P2**
2. Make fullness methods, placket and fasteners attachments in garment. **P4**
3. Construct the various body parts of a garment. **P4**

<table>
<thead>
<tr>
<th>P1 – Imitation; P2 – Manipulation; P3 – Precision; P4 – Articulation; P5 – Naturalization.</th>
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<tbody>
<tr>
<td>1. Preparation of Samples for Seams and Seam Finishes.</td>
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<tr>
<td>2. Preparation of Stitches ((Class 100 to Class 600))</td>
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<tr>
<td>3. Preparation of Samples for Hems.</td>
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<tr>
<td>4. Preparation of Samples for Fullness. (Darts, Tucks, Pleats, Gathers, Flares, Ruffles, Godets and Gathers)</td>
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<tr>
<td>5. Preparation of Samples for Facing and binding. (Any 2)</td>
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<tr>
<td>6. Preparation of Samples for Plackets and fasteners. (Any 2)</td>
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<td>7. Preparation of Samples for different Sleeves. (Any 2)</td>
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<td>8. Preparation of Samples for different Collars. (Any 2)</td>
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<tr>
<td>9. Preparation of Samples for different Yokes. (Any 2)</td>
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<tr>
<td>10. Preparation of Samples for different pockets (Any 2)</td>
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</tbody>
</table>

### Text Book(s)


### Related Websites

2. [https://www.fibertofashion.com/industry-article/5658/basic-of-pattern-making](https://www.fibertofashion.com/industry-article/5658/basic-of-pattern-making)
3. [https://www.clothingpatterns101.com/style-lines.html](https://www.clothingpatterns101.com/style-lines.html)
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:

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

1. Illustrate the fashion figures for different head theories with respective features. P2
2. Sketch garment designs and apparel parts. P4
3. Design various Accessories and Ornaments P4

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

Prepare sketches for the following

1. Different types of Collar, Sleeve, Neckline, 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)

SEMESTER II
Course Objectives:
The main objectives of this course are to:
1. To acquaint the student with the history of fashion and its elements.
2. To impart knowledge on fashion art and its importance.

Expected Course Outcomes:
On the successful completion of the course, student will be able to:
1. Outline the fashion terms and roles of fashion designers. K2
2. Explain the elements of design and its applications. K2
3. Interpret color theory and its applications of fashion field. K2
4. Clarify the Principles of design and its applications. K2
5. Define fashion style and list down the garment details. K1

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

Unit:1  Fashion Context

Unit:2  Elements of Design
Elements of design- Introduction to design – Types of design – Elements and their importance in a design – Line – Types – Application of line in a garment – Influence of line in various illusion - Shape – Types – Importance of shape in garment design – Texture – Determinants of texture – Effect of texture on color & physical proportion.

Unit:3  Color Theory

Unit:4  Principles of Design

Unit:5  Fashion style and Garment Details
Introduction to fashion style details and various garments Importance of details in apparel design – Various types of neck, collar & sleeve – Different types of waist & hem lines – Types of plackets, Pockets- Garments for men, women and kids – Unisex garments – Intimate, active and functional garments
<table>
<thead>
<tr>
<th></th>
<th>Text Book(s)</th>
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<tbody>
<tr>
<td>Course code</td>
<td>FASHION DESIGN CONCEPTS &amp; METHODOLOGY PRACTICAL</td>
</tr>
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<tr>
<td>CORE PRACTICAL-I</td>
<td>Fundamentals of Fashion Sketching</td>
</tr>
</tbody>
</table>

Course Objectives:
The main objectives of this course are to:
- To develop the skill of free hand drawing & sketching, in order to visualize and analyze, observe & communicate ideas and concepts.
- To learnt the basic principle of designs & color concepts.

Expected Course Outcomes:
On the successful completion of the course, student will be able to:
1. Develop Prang colour chart, value and intensity charts  
2. Illustrate human figures for a child, woman and man  
3. Sketch garment designs for various seasons with the applications of elements, principles and color harmonies of design.

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

1. Prepare the following Charts
   - Prang colour chart,  
   - Value chart  
   - Intensity chart

2. Illustrate Human Figure for the Following Heads
   - Child - 6 head  
   - Women – 8 head, 10 head and 12 head  
   - Man – 10 head

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)**

<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Publisher/Institution</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Art and Fashion in Clothing Selection, McJimsey and Harriet, Iowa State University Press</td>
<td>Iowa State University Press, Iowa State University Press</td>
<td>1973</td>
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**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1</td>
<td><a href="https://www.idrawfashion.com/">https://www.idrawfashion.com/</a></td>
</tr>
<tr>
<td>3</td>
<td><a href="https://in.pinterest.com/pin/458804280762797371/">https://in.pinterest.com/pin/458804280762797371/</a></td>
</tr>
</tbody>
</table>
## 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. List out the various kinds of textile fibers.  
   
2. Explain the process of textile fibers and filament yarns.  
   
3. Infer about the techniques of yarn pre-production in textile industry.  
   
4. Summarize the yarn in-production methods and techniques.  
   
5. Clarify the post production process of yarn.  

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

### Unit: 1 Introduction of Textile Fibers

Introduction to Textile fibers - Definition, Classification of fibers - Essential and Desirable properties – Natural fibers- cotton, linen, silk, wool, Jute, - Manufacturing, Physical and chemical Properties and end uses. Brief study of fibres - Kapok, Bamboo, Banana, Coir, Sisal, Hemp, Soy bean.

### Unit: 2 Filament Spinning System


### Unit: 3 Pre-Production Process


### Unit: 4 Yarn Production Process


### Unit: 5 Post Yarn Production Process

Yarn – Definition, Classification, simple, fancy and sewing threads, manufacturing process. Yarn twist – classification of twist, yarn count systems.
<table>
<thead>
<tr>
<th>Text Book(s)</th>
</tr>
</thead>
</table>

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

| 1. | https://textilelearner.blogspot.com/ |
SEMESTER III
### Course Code: FABRIC SCIENCE

<table>
<thead>
<tr>
<th>Core-IV</th>
<th>Fundamentals of woven and knitted fabric production</th>
<th>Syllabus 2021 Onwards</th>
</tr>
</thead>
<tbody>
<tr>
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<td>T</td>
<td>P</td>
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</tbody>
</table>

### Course Objectives:

1. To impart knowledge on woven fabrics
2. To help students to understand fabric formation process.
3. To impart knowledge on woven fabric designs and structures.
4. To learn about knitting

### Expected Course Outcomes:

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

1. Explain the preparatory processes involved in the woven fabric production K2
2. Elaborate the principles used in woven fabric production. K2
3. Infer about the various kinds of basic weaves. K2
4. Analyze the knitting fabric production process K4
5. Evaluate the working principles of knitting machines K2

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

### Unit: 1 Preparatory Process

**Introduction** - Classification of fabric forming methods- weaving preparatory processes - pirn winding – Objects - Passage of material through an automatic high speed pirn winder. Objects of warping – Types of warping – Passage of material through high speed modern beam warping machine & sectional warping machine

### Unit: 2 Weaving Mechanisms

**Loom Mechanisms** - 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: 3 Basic Weaves

**Introduction to Weaves** – Weave diagram – Plain weave & derivatives – Twill weave & derivatives – Satin & sateen weaves – Ordinary and Brighten Honey Comb; Huck-a-Back; Mock Leno; extra warp and extra weft figuring – single and double color.

### Unit: 4 Knitting


### Unit: 5 Knitting Machines


**Warp Knitting** -lapping variations-tricot, raschel, simplex and Milanese -kitten raschel -single bar, 2 bar, multi bar machines. Types of threading, production of nets, curtains, heavy fabrics and elasticized fabrics.
<table>
<thead>
<tr>
<th>Text Book(s)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R.Marks, A.T.C. Robinson, Principles of Weaving, The Textile Institute, Manchester (1976)</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</th>
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<tbody>
<tr>
<td>2</td>
<td><a href="https://www.textileschool.com-453-wovendesign-">https://www.textileschool.com-453-wovendesign-</a></td>
<td></td>
</tr>
</tbody>
</table>
Course Objectives:
The main objectives of this course are to:
1. To learn the traditional costumes of India.
2. To review the Indian history of costumes.

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

1. Infer about fashion evolution in fashion industry. K2
2. Generalize the dyed and printed textiles of India K2
3. List out the traditional costumes of Indian states K2
4. Device the traditional embroideries of India K2
5. Categorize the kinds of Indian Jewelers. K2

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

Unit:1 Fashion Evolution


Unit:2 Dyed and Printed Textiles of India


Unit:3 Traditional Costume of Different States of India

Traditional Costume of Different States of India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Assam, Orrisa, Bihar, Karnataka, West Bengal, Maharasthra, Rajasthan, Haryana, Uttar Pradesh, Jammu and Kashmir, Gujarat, Madhaya Pradesh.

Unit:4 Traditional Embroideries of India


Unit:5 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.

Text Book(s)

1. G.H Ghosrye, “Indian Costume”, Popular books Pvt Ltd
4. Francois Boucher, “History of Costumes in the West”
5. Elizabeth Ewing, “History of 20th Century Fashion”, [Revised By -Alice Macrell].
Course Objectives:

- To elaborate the role of fashion & clothing in communication of cultural practices, which are enables to understand the function of a garment.
- To explore meaning of fashion and clothing for designer.

Expected Course Outcomes:

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

1. Predict Fashion and its origin.  
2. Outline the focus of fashion and fashion cycle.  
3. Appraise the movement of fashion and its factors  
4. Interpret the various fashion designers and freelancers in India.  
5. Clarify International fashion centers and brands.

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

Unit:1 Fashion


Unit:2 Fashion Focus


Unit:3 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 Designers

Types of designers – High fashion Designer, Stylist, and Freelance Designer. Sources of design inspiration. Indian fashion Designers-Manish Malhothra, Ritukumar, rituberri, TarunTahilani, Wendell Rodricks, Abu Jani and Sandeep Khosla, JJ Valaya, Rina Dhaka, Manish Arora, and Rohit Bal.

Unit:5 International Fashion Centers


Text Book(s)

Course Objectives:
1. Designing, drafting and constructing the following garments for the features prescribed in the following criteria.
   - Measurements chart
   - Layout method
   - Break down analysis of the garment
   - Sequence of Assembling and its procedures.
   - Type of seam for each assembly process.
   - CMT costing and garment costing

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 children’s garments. P3
2. Prepare patterns and calculate material requirement for the designed children’s wear. P3
3. Construct the designed children’s garment and calibrate the cost of the garment. P5

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

Designing, drafting and constructing the following garments for the features prescribed in the following criteria.

- Measurements chart
- Layout method
- Break down analysis of the garment
- Sequence of Assembling and its procedures.
- Type of seam for each assembly process.
- CMT costing and garment costing

CHILDREN’S GARMENTS
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
9. Shirt- open collar, with pocket

Text Book(s)
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/viewsnject?catid=827
2. https://www.youtube.com/watch?v=LuazkYL0j3a
3. https://www.youtube.com/watch?v=nI-shbmnuVg
Course Objectives:

- To determine and testing of textile fibres and yarns
- To identify the different types of weaves
- To understand the woven fabrics designs

Expected Course Outcomes:

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

1. Identify the textile fibre by using appropriate methods
2. Determine yarn parameters like count, twist and blend proportion.
3. Analyze the various woven fabric design

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

LIST OF EXPERIMENTS

1. Identification of fibers- Cotton, Silk, Wool, Polyester, Viscose, Nylon
2. Determination of blend proportion of P/C, P/V,P/W blends
3. Determination of Yarn count
4. Determination of Yarn Twist
5. Determination of Fabric Count (EPI x PPI)
6. Analysis of following fabrics for Design, Draft, Peg Plan, Ends per inch, Picks per inch, Dents per Ends, Yarn count, Yarn crimp, Cover factor & Weight per square yard of fabrics.
7. Plain weave and its derivatives
8. Twill weaves – 2/1, 3/1.
9. Satin / Sateen
10. Pointed Twill Weave
11. Honey comb
12. Crepe weaves
14. Extra Weft- Dobby & Jacquard Weave
15. Mock leno
16. Pile weave

Text Book(s)

<table>
<thead>
<tr>
<th>Course code</th>
<th>E- DESIGNING PRACTICAL</th>
<th>L</th>
<th>T</th>
<th>P</th>
<th>C</th>
</tr>
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<tbody>
<tr>
<td>SBEC Practical-I</td>
<td>Basics of E-Designing Skills</td>
<td>Syllabus</td>
<td>2021 Onwards</td>
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</tbody>
</table>

Course Objectives:

- Aims to develop creative skills for visual Communication, principles & color harmony designing.
- Analyze, select & apply tools appropriate for creating a design.
- To develop designing skill for various costumes.

Expected Course Outcomes:

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

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</thead>
<tbody>
<tr>
<td>1</td>
<td>Design textile informative templates/guides using CAD software.</td>
<td>P4</td>
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<tr>
<td>2</td>
<td>Create garment design and apply principles and Color harmonies.</td>
<td>P5</td>
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<tr>
<td>3</td>
<td>Generate garments for gents, ladies and kids for different kinds of occasions.</td>
<td>P5</td>
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</tbody>
</table>

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

1. Using design software create the following visual communication design

- Create brand name & design logo for it.
- Design Visiting card, Letter pad & Envelop design
- Design a Calendar
- Design Label for your brand
- Design Tag for your brand
- Design packing material for your brand
- Practice in Lay-Out Design
- Practice in Poster Design
- Practice in Dangler Design
- Practice in Hand bag Design
- Practice in Hoarding Design

2. Application of colour harmony in Design

- Monochromatic colour harmony
- Analogous colour harmony
- Complementary colour harmony
- Double Complementary colour harmony
- Split complementary colour harmony
- Triad colour harmony
- Tetrad colour harmony
- Neutral colour harmony

3. Applications of principles of design in dress design

- Balance – Formal and informal
- Rhythm – by line movement, gradation, repetition.
- Emphasis
- Proportion
- Harmony
4. Design Garments for the following.
   - Party Wear – Women, Men, Children.
   - Sports Wear- Tennis, Basket ball/foot ball (men and Women), Golf, anyother.
   - Fashion show – Children, men and women
   - Winter Wear - Children, men and women
   - Summer Wear - Children, men and women
   - Spring Wear - Children, men and women
   - School uniforms – Preschool, school, higher secondary and college going students-boys and girls.
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. Explain about textile fibre and its characteristics.  
2. Infer about the manufacturing process of textile natural and man-made fibres.  
3. Clarify the spinning process of textile fibers into yarns.  
5. Generalize the non-woven fabrics and their types.

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

Unit:1 Textile Fibres
Introduction to the field of Textiles – classification of fibres – natural and chemical – primary and secondary characteristics of textile fibres.

Unit:2 Manufacturing of fibres and their properties
Manufacturing process, properties and uses of natural fibres – cotton, linen, jute, pineapple, hemp, silk, wool, hair fibres, Man-made fibres – viscose rayon, acetate rayon- nylon, polyester, and acrylic.

Unit:3 Spinning Process

Unit:4 Weaving process and woven fabrics
Woven – basic weaves- plain twill, satin, fancy weaves – pile, double cloth, leno, swivel, tappet, dobby and jacquard, weaving technology-process sequence – machinery details.

Unit:5 Non-Woven fabrics
Non-woven- felting, fusing, bonding, lamination, netting, braiding and calico, tatting and crocheting.

Text Book(s)

Related Websites
SEMESTER IV
## Course Objectives:
The main objectives of this course are to:
1. Apply the techniques of preparatory process, dyeing and printing of fabrics
2. Gain the knowledge about bio processing
3. Analyze the technologies of effluent treatment of processed water.

## Expected Course Outcomes:
On the successful completion of the course, student will be able to:
1. Infer about the pre-preparatory process techniques in textile industry
2. List out textile dyes and its applications.
3. Generalize the various kinds of printing methods on fabrics.
4. Apply and analyze the enzymes applications in textile goods.
5. Analyse the pollution created by the textile industry and the need for effluent treatment

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

### Unit: 1  Wet Processing Process


### Unit: 2  Dyeing


### Unit: 3  Printing


### Unit: 4  Enzymes


### Unit: 5  Effluent Treatment

Effluent Treatment Plants: Detail study about characteristic of textile effluent Developments in membrane techniques in the effluent treatment - Energy conservation steps in chemical processing - Low wet pick-up techniques - Causes and remedies for water and air pollution – Bio-Technology in textile effluent treatment plants.

### Text Book(s)

### Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1. https://textilecourse.blogspot.com/2018/08/working-process-printing-
Course Objectives:
The main objectives of this course are to:
1. Identify market research related to apparel production processes.
2. Understand the professional and ethical responsibility of fashion marketing.
3. Introduce digital marketing.

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

1. Predict fashion terms used in textile/fashion industry K2
2. Generalize the marketing strategies used in apparel/fashion field. K2
3. List out the advertising techniques and methods used in fashion/apparel sector. K2
4. Summarize fashion market research and its factors. K3
5. Analyze global markets related to fashion/apparel. K4

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

Unit: 1  FASHION

Unit: 2  MARKETING
Meaning and classification of marketing, fashion marketing, fashion market size and structure, marketing environment –micro marketing environment, macro marketing environment. Trends in marketing management. Marketing function – definition and classification product planning and development importance of fashion products, nature of fashion products. The fashion industry and new product development product mix and range planning. Product line policies

Unit: 3  FASHION ADVERTISING
Fashion advertising and preparation of advertising for apparel market. Advertising media used in apparel marketing. Advertising department, advertising agencies. A survey on analysis of customers fashion preference & international advertising. Fashion sales promotional programme for apparel marketing, communication and promotion, personal selling, point of purchase, sales promotion objectives, consumer sales promotion.

Unit: 4  MARKETING RESEARCH

Unit: 5  GLOBAL MARKET
Global market and its participants in international marketing – Importance, growth and benefits – international market place- goods and services multinational corporations banks and insures trading companies – implications for marketing management- GATT. Present export and import details. Digital marketing- types- benefits.

Text Book(s)
## 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:

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

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

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

### Designing, drafting and constructing the following garments for the features prescribed in the following criteria.

- Measurements chart
- Layout method
- Break down analysis of the garment
- Sequence of Assembling and its procedures.
- Type of seam for each assembly process.
- CMT costing and garment costing

### WOMEN’S GARMENTS

1. **Saree Petticoat** - 6,7,8 core Panel, Decorated bottom.
2. **Skirts** – Circular/ Umbrella/ Panel with style variations.
3. **Blouse** - Front open, fashioned neck, Waist band at front, with sleeve.
4. **Salwar (or) Churidar (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 pune 411011
3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college 32

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

1. [https://www.patternsonline.com-default.aspx](https://www.patternsonline.com-default.aspx)
2. [https://shoeguide.com/](https://shoeguide.com/)
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. Develop hand and machine embroidery samples. P4
2. Design complex fashion accessories in decorative manner. P5
3. Produce the Indian traditional embroidery samples. P4

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
   8. Phulkari work

C. Crochet

D. Prepare samples for the following
   1. Hand bag - Any 2 types
   2. Hat - Any 2 types
   3. Bow - Decorative bow & formal bow
   4. Purse & pouches - any 2 types

Text Book(s)

1. Scientific garment quality –K M Illege and Sons , Plot No. 43 , Somuvar Peth pune 411011
3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college 32

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

1. https://sueguide.csom/smocking/
2. https://www.youtube.com/watch?v=nJz9c8gEvFg
### Course Objectives:
The main objectives of this course are to:
1. Impart knowledge on the various home textile products
2. Gain insights on the bed linens, kitchen linens, bathroom linens
3. Acquire better understanding on the choice of fabrics for the home textile products

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

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<tbody>
<tr>
<td>1</td>
<td>Classify the home textile products and its factors</td>
<td>K2</td>
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<tr>
<td>2</td>
<td>Summarize the types of floor and wall coverings</td>
<td>K2</td>
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<tr>
<td>3</td>
<td>Distinguish curtains and draperies</td>
<td>K2</td>
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<tr>
<td>4</td>
<td>Describe the types of soft furnishings for living rooms.</td>
<td>K2</td>
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<tr>
<td>5</td>
<td>Discover the types and functions of kitchen linens</td>
<td>K3</td>
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K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create

### Unit: 1 Introduction to Home textiles
Different types of furnishing materials: Definition – Different types of furnishing materials – Woven and Non-woven, Factors affecting selection of home furnishes. Recent Trends in Home Furnishing

### Unit: 2 Floor and wall coverings

### Unit: 3 Door and Window treatments
Doors and Windows: Doors and Windows – Definition, Different types of doors and windows, their application. Curtains and Draperies – Choice of fabrics, calculating the amount of material needed, hints on making curtains hang well, methods of finishing draperies at the top – Use of drapery rods, hooks, and tape rings and pins.

### Unit: 4 Soft furnishings for living rooms
Living Room Furnishing: Living room furnishing – sofa covers, wall hangers, cushion, cushion covers, upholsteries, Bolster and Bolster covers. Bed Linens – Definition, Different types of bed linens, sheets, blanket covers, comfort covers, bed spreads, mattress covers and pads, pillows and pillow covers, use and care.

### Unit: 5 Soft furnishing for kitchen and dining
Soft furnishings for kitchen and dining, types of kitchen linens – kitchen towel, aprons, dish cloth, Kitchen and Table Linens: Kitchen and Table Linens – Definition – Types of Kitchen linens, Dish cloth, Hand towels, Fridge cover, Fridge handles, Mixi cover, Grinder cover, their use and care.
<table>
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<tr>
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<tbody>
<tr>
<td>1</td>
<td>Home Comforts-The Arts and Science of Keeping Home, Cheryl Mendelson, Scriber, New York, 2005</td>
</tr>
<tr>
<td>2</td>
<td>Cushions and Pillows- Professional Skills – Made Easy, Hamlyn Octopus, Octopus Publishing Group, New York, 2001</td>
</tr>
<tr>
<td>8</td>
<td>Home Furnishing, V. Ramesh Babu and S. Sundaresan, Woodhead Publishing India Pvt. Limited, 2018</td>
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</table>

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

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</tr>
<tr>
<td>2</td>
<td><a href="https://bettersleep.org/mattress-education/mattress-accessories/pillow-types/">https://bettersleep.org/mattress-education/mattress-accessories/pillow-types/</a></td>
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<td>3</td>
<td><a href="https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html">https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html</a></td>
</tr>
<tr>
<td>4</td>
<td><a href="https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review">https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review</a></td>
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<td>5</td>
<td><a href="http://www.india-crafts.com/textile/home-textile.html">http://www.india-crafts.com/textile/home-textile.html</a></td>
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</table>
Course code | FUNDAMENTALS OF DESIGNING | L | T | P | C | Syllabus 2021 Onwards
---|---|---|---|---|---|---
NMEC-II | Study of Basic Designing | 1 | 1 | - | 2 |  

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. Categorize design and its types.  
2. Describe the principle of design and its application.  
3. Clarify color and its theories in fashion field.  
4. Predict the colour combinations with standard colour harmonies  
5. Interpret the planning for different age group people wardrobe.

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

Unit:1 Design and its types
Types of Design- Structural and Decorative design, Requirements Of Structural And Decorative Design, Elements of Design - Line, Size, Shape, Color and Texture.

Unit:2 Principles of design

Unit:3 Color theory
Color- Definition, Color theory - Prang color system, Dimension of color- Hue, Value and Intensity. Color schemes in Prang color System.

Unit:4 Designing dresses for unusual figures
Figure Irregularities - Stout figure, Thin figure, Broad shoulders, Narrow Shoulders, Faces – Round, Large, and Small face.

Unit:5 Wardrobe Planning
Wardrobe Planning – Factors to be considered while selecting clothes for different age group – Men, Women and Children.

Text Book(s)

Related Online Contents
<table>
<thead>
<tr>
<th>Course code</th>
<th>TEXTILE WET PROCESSING PRACTICAL</th>
<th>L</th>
<th>T</th>
<th>P</th>
<th>C</th>
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<td>Core Practical-V</td>
<td>Syllabus 2021 Onwards</td>
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<td>5</td>
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**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 pre-treated fabrics for dyeing or printing. (P4)
2. Dye the fabric or yarn sample using adequate recipe. (P5)
3. Create the printing sample using appropriate printing paste or color. (P5)

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:**

- Direct Dye
- Sulphur Dyes
- Vat Dye
- Disperse Dye
- Reactive Dyes
- Acid Dye

**Printing of Fabrics**

- Printing of cotton using block and screen printing (2 Samples each).
- Printing of tie and dye and batik (2 samples each).
- Printing on cotton fabric with natural colors.

**Text Book(s)**

2. Textile processing and properties, Preparation, Dying, Finishing & Performance, Tyrone L. Vigo, elsewhere publishing, Netherland
3. Textile Wet processing, Manoj Dole, Manoj Dole Publications Co. India (2018)

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

2. [https://www.sciencedirect.com/topics/engineering/dying-process](https://www.sciencedirect.com/topics/engineering/dying-process)
SEMESTER V
Course code | APPAREL PRODUCTION MANAGEMENT | L | T | P | C
---|---|---|---|---|---
Core VII | | 4 | 1 | - | 4

Basic knowledge in garment production processes | Syllabus | 2021 Onwards

Course Objectives:
The main objectives of this course are to:
1. The Students will learn about garment industry and technical parameters in garment production.
2. It will enhance the students to work with garment industry machinery & equipment

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

1. Describe the concept of plant location and layout
2. Explain the work study techniques in garment industry.
3. List out the techniques to improve productivity with quality production
4. Predict the line balancing techniques in apparel production unit.
5. Summarize production planning and control techniques in apparel sector.

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

Unit: 1  Plant Location and Layout

**Plant Location and Layout**

Unit: 2  Work Study


Unit: 3  Production and Productivity


Unit: 4  Line Balancing

**Line Balancing** - Duties and Responsibilities of Production manager / Supervisor - Effective Line Supervision - Factors of Production - Production Function - Process Flow and Charts for Garment - Scheduling Calculations.

Unit: 5  Production Planning and Control

**Production Planning and Control** - Capacity Requirement Planning [CRP] - Material Requirement Planning - Steps in Production Planning - Factors to be consider in Production Planning - Function, Qualitative and Quantitative Analysis of Production – Coordinating Departmental Activities - Practical Difficulties in implantation.

**Text Book(s)**
2. Jacob Solinger, “Apparel Manufacturers Handbook”
3. Gerry Cooklin, “Introduction to Clothing Manufacture”
4. J. Chuter, “Introduction to Production Management”
5. Tripathi, “Personal Management and Industrial Relations”
6. O.P. Khanna, “Industrial Engineering and Management”
Course code | TEXTILE FINISHING | L | T | P | C
---|---|---|---|---|---
Core VIII | Finishing of textile fabrics and its functions | 4 | 1 | - | 4

**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. Describe the method & application of finishes on different textile substrates. K2
2. Distinguish the mechanical finishing on textile goods. K2
3. List out the various finishes based on the various functions of the fabric K2
4. Generalize the various advanced finishes on fabrics. K2
5. Interpret the special finishes for fabrics. K2

**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, Schreinering, Wrinkle free finish.

**Unit:3 Functional Finishing**


**Unit:4 Advanced Finished**


**Unit:5 Special finishes**

Special Finishes on Garments–Finishing of Woven/Knitted garments–Stone less, Stonewash effects–Mud wash, Ion wash, Chalk wash, Water resistant Breathable finish, Bio polishing, Leathery Finish, Protective Finishes–Deodorizing, Cool Finish and Thermostat finishes

**Text Book(s)**


**Related websites**

1. [https://nptl.ac.in/courses/116/102/116102054/](https://nptl.ac.in/courses/116/102/116102054/)
2. [https://ugcmoocs.inflibnet.ac.in/ugcmoocs/view_ug.php/130](https://ugcmoocs.inflibnet.ac.in/ugcmoocs/view_ug.php/130)
Course Code | ENTREPRENEURSHIP DEVELOPMENT
---|---
| CORE-IX
| Syllabus 2021 Onwards

Course Objectives:
The main objectives of this course are to:
1. Familiar the students with challenges of starting new ventures
2. Enable them to investigate and understand the process of setting up a new business.

Expected Course Outcomes:
On the successful completion of the course, student will be able to:
1. Infer about entrepreneurship and traits of entrepreneur
2. Identify a project and project report preparation
3. Generalize the formalities of SSI’s Registration
4. Summarize the support institutions to help for business startup.
5. Interpret Incubation centers and start up in India

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

Unit:1 Introduction to Entrepreneurship
Entrepreneurship: Concept and Definitions; Entrepreneurship and Economic Development; Classification and Types of Entrepreneurs; Entrepreneurial Competencies; Factor Affecting Entrepreneurial Growth – Economic, Non-Economic Factors; EDP Programmes; Entrepreneurial Training; Entrepreneur; Manager Vs. Entrepreneur.

Unit:2 Starting the venture
Project Identification – Project formulation – Project design - preparing project report - Project Planning and Scheduling using Networking Techniques of PERT / CPM; Methods of Project Appraisal.

Unit:3 SSI and Registration
Small Enterprises and Enterprise Launching procedures and Formalities Role of SSI in Economic Development of India; SSI; Registration; NOC from Pollution Board; project report presentation guidelines

Unit:4 Sources of Finance and Institutional Assistance
Role of Support Institutions and Management of Small Business: Director of Industries; DIC; SIDCO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISIET, NIESBUD; TANSIDCO; TIIC; State Financial Corporation; KVIC

Unit:5 Financial Incentives
Ministry of MSME Scheme & Subsidy- Tax concessions; seed capital assistance – Role of entrepreneur in export promotion and import substitution – Social Entrepreneur, Incubation center, Startup India

Text Book(s)
1. Entrepreneurial Development, Dr. C.B. Gupta, Sultan Chand & Sons, New Delhi, 2009
2. Entrepreneurial Development, Dr.S. S Khanka, Sultan Chand & Sons, New Delhi, 2009.

Related Websites
Course Objectives:
The main objectives of this course are to:
1. To facilitate the understanding of Apparel quality assurance principles and process.
2. To understand the basics of apparel quality.

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

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</table>

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

Unit:1 Quality
Define - Quality, QC, QA, Importance of quality and quality control. Raw material inspection-fabric inspection - 4 point system - 10 point system - in process inspection - final inspection - no inspection- 100% inspection - statistical sampling- AQL standards and preparing specifications.

Unit:2 Defects
Fabric defects - pre sewing defects - sewing defects - post sewing defects-causes & remedies. Minor and Major defects.

Unit:3 ISO

Unit:4 Testing
Accessories testing - sewing threads, button, lining, interlining, hook, laces, elastics & packing materials, Testing of dimensional stability - bow-skew ness - shrinkage.

Unit:5 Apparel Quality Assurance

Text Book(s)
1. Pradip metha, Satish k. Bhardwaj, “Managing quality in the apparel industries”, NIFT, New age international (p) ltd publishers, ND.
2. Harold Carr and Barbara Latham, “Technology of clothing manufacture”, Oxford publications, ITSA.
<table>
<thead>
<tr>
<th>Course code</th>
<th>MEN’S APPAREL PRACTICAL</th>
<th>L</th>
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<td>Core Practical-VI</td>
<td>Syllabus</td>
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Basic Knowledge about Men’s garment construction

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. To List out the measurements required and materials suitability.

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

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<tr>
<td>1</td>
<td>Design and generalize the measurements for the various mens’ garments.</td>
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<td>2</td>
<td>Prepare patterns and calculate material requirement for the designed men’s wear.</td>
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<tr>
<td>3</td>
<td>Construct the designed men’s garment and calibrate the cost of the garment.</td>
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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
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
8. Kalidhar Kurta

Text Book(s)

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1. https://shoeguide.com/
<table>
<thead>
<tr>
<th>Course code</th>
<th>FASHION DRAPING PRACTICAL</th>
<th>L</th>
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<tr>
<td>Basic knowledge in draping, body silhouettes and various fabrics</td>
<td>Syllabus</td>
<td>2021 Onwards</td>
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</table>

**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:**
On the successful completion of the course, student will be able to:
1. Prepare muslin and formulate the measurements for various garment’s draping
2. Produce the pattern blocks in dress form for various garments
3. Create dart or pleat variations in appropriate garment patterns

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

1. Bodice - Front & Back
2. Skirt - Front & Back and Its Types
3. Pant - Front & Back
4. Sleeve - Bell, Raglon, Cape, Puff, Circular, Kimono
5. Neckline - Boat, Key Hole, Halter, Scooped, Scalloped
6. Collar - Mandarin, Peter pan, Turtle, Ruffled & Shawl
7. Cows
8. Twist
9. Surplice
10. Yoke - Hip Yoke, Midriff & Shirt Yoke
11. Design and Drape one couture wear for Men & Women

**Text Book(s)**

**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**
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:
On the successful completion of the course, student will be able to:

1. Copy the working structure of the industry/ company
2. Analyze the methods adopted in the training place
3. Recognize the challenges in the training place

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 – 100, 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 has to be identified and a profile of the company has to be analyzed 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. In case 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.]

3. https://www.academia.edu/25257761/Student_Internship_Logbook
5. https://valenciacollege.edu/students/internship/documents/ActivityLog.pdf
## 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

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

### Unit: 1 Children’s wear
Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments

### Unit: 2 Women’s wear
Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments

### Unit: 3 Men’s wear
Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments

### Text Books

1. Pattern Cutting For Clothing Using Cad: How To Use Lectra Modaris Pattern Cutting Software - Stott M, Woodhead Publishing Ltd, 2012

### Related Online Content [MOOC, SWAYAM, NPTEL, Websites etc.]

2. https://www.youtube.com/watch?v=jTWtQNTJt_A
3. https://www.youtube.com/watch?v=iX7O4X7O4fNQijA
SEMESTER VI
Course Code  | APPAREL MERCHANDISING  | L | T | P | C 
---|---|---|---|---|---
Core-X  | Syllabus  | 4 | 2 | - | 5 
Fundamentals of Merchandising  | 2021 Onwards 

Course Objectives:
- To acquaint students with various marketing and merchandising procedures
- To enhance a skillful inspection procedures
- To improve the process flow of apparel industry knowledge.

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

1. Identify the process of merchandising in apparel sector.  
2. Generalize the process flow and planning for apparel production.  
3. List out the various processes and follow ups in apparel production.  
4. Recognize the need for visual merchandising  
5. Predict the application methods of Visual Merchandising techniques  

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

Unit:1 Merchandising
Merchandising: Introduction, Meaning- Apparel Merchandising- Organization 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

Unit:2 Processes & Planning

Unit:3 Follow-ups

Unit:4 Visual Merchandising

Unit:5 Applications of Visual Merchandising
Applications of Visual Merchandising – Exterior, Interior, Trade show & Fair, Fashion show- Definition, planning, budgeting, location, timings, selection of models, collection, set design, music, preparing the commentary , choreography, rehearsal .
<table>
<thead>
<tr>
<th>Text Book(s)</th>
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<tbody>
<tr>
<td>1. Daragho’ Reilly, Jullian J. Gibbs, “Building Buyer Relationships”</td>
</tr>
<tr>
<td>3. “Fashion Merchandising”, Elian Stone,</td>
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</table>
# Course Code: FASHION BUSINESS STARTUP

<table>
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<th>Core XI</th>
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**Basic Procedures for Startup a Fashion Business**

### Course Objectives:

The main objectives of this course are to:

1. Frame business concepts and solve challenging tasks.
2. Create ideas and strategies in order to effectively bring a business concept into action.
3. Understand financing and fund raising

### Expected Course Outcomes:

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

1. Infer about business concept theories and its classification. K2
2. Identify the business opportunities in the various sectors in the market. K2
3. Generalize the Problem Solving tactics through business identity. K2
4. Summarize the small scale business sector and its factors. K2

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

### Unit 1: Business Concept Theories


### Unit 2: Business Opportunity Identification

Business Plan Preparation and Project Financing; Need and Relevance of Business Plan; Market Feasibility; Technical Feasibility; Financial Viability; Project Report Preparation. Identification of Business Opportunities in the Context of Tamil Nadu – Industrial Policy; Skill Development for Entrepreneurs; Business Incubation Centers; Start-up Policy Framework and Incentives

### Unit 3: Business Identity

Unit: 4  Small Business Management
Definition of Small Business, an overview of Small, Medium and Large Industries.
Technical and Financial Aspects of Small Business; Importance of Selection Process and Technologies; Balancing the Resources to Optimize Costs; Financial Statement Analysis; Strategizing - Expansion, Diversification, Modernization of small business.

Unit: 5  Business Communication and Ethics in Business & Institutional Support System for Business Startup

Business Communication and Ethics in Business

Institutional Support System for Business Startup
Sources of Finance for Short, Medium and Long Term; Venture Capital- Sources and Criteria, Financing Steps; External Resource Generation - Licensing, Franchising, Strategic Alliance, Joint Venture, Merger, Private Placements.

Text Book(s)

Related Journals
1. The Journal of Entrepreneurship – Sage publications
2. The International Journal of Entrepreneurship and Innovation – Sage publications
3. Strategic Entrepreneurship Journal - Wiley Online Library International
4. Journal of Entrepreneurship and Small Business – Inter Science
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<tr>
<th>Course code</th>
<th>INTERNATIONAL TRADE AND DOCUMENTATION</th>
<th>L</th>
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**Basic Knowledge in International trade**

Syllabus 2021 Onwards

**Course Objectives:**

To study the Trade procedures and documentation formalities are a critical part of International Business Management. This subject aims at imparting knowledge of trade procedures and documentation formalities.

**Expected Course Outcomes:**

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

1. Clarify firm establishment and its registration formalities. K2
2. List out the documents related to foreign trade. K2
3. Infer about the import procedures in trade business. K2
4. Generalize the legal implications in shipment and customs. K2
5. Explain the payment and delivery formalities in international trade business. K2

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

**Unit: 1 Firm Establishment**


**Unit: 2 Foreign Trade Documents**


**Unit: 3 Import Procedure**

Import procedure : import license – procedure for import license – import trade control regulation procedure – special schemes – replenishment license – advance license – split up license – spares for after sales service license – code number – bill of entry

**Unit: 4 Shipment & Customs**


**Unit: 5 Payment and Deliveries**

Methods of payment in international trade; documentary collection of export bills, UCPDC guideline, Instruments of payments, Pre-shipment and post-shipment finance, Negotiation of documents with banks, Main Provisions of FEMA; Procedure and documentation for availing export incentives.
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<th><strong>Text Books</strong></th>
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**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**

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<td>1</td>
<td><a href="https://www.marketresearchreports.com/apparel-retailing">https://www.marketresearchreports.com/apparel-retailing</a></td>
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<td>2</td>
<td><a href="https://smallbusiness.chron.com/analysis-retail-apparel-industry-70514.htm">https://smallbusiness.chron.com/analysis-retail-apparel-industry-70514.htm</a></td>
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</table>
Course code  |   GARMENT ANALYSIS & PRODUCT DEVELOPMENT PRACTICAL | L | T | P | C
---|---|---|---|---|---
Core Practical-IX  |   |   |   | 4 | 2

| Basic Skills for Industrial Engineering of Apparel Industry | Syllabus | 2021 Onwards |

**Course Objectives:**
The main objectives of this course are to:
1. To train the students in design process & apparel product development
2. To impart the students to create different type of garments

**Expected Course Outcomes:**
On the successful completion of the course, student will be able to:
1. Analyse garment design and construction methods for a garment
2. Analyze the garment assembling process flow chart and predict machinery layout for proposed style.
3. Create tech pack file

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

**GARMENT ANALYSIS & PRODUCT DEVELOPMENT**
1. Break down analysis of different garments (Number of parts assembled)
2. Process flow chart for a garment assembling
3. Seam finishing details of each part of a garment
4. Type of sewing machines needed for assembling different parts of a garment
5. Machine Layout
6. Prepare design process
7. Prepare tech pack

- Each Student should analyse 10 ready to wear garments (kids wear/ men’s wear/ women’s wear).
- Designs may be inspired by national or international designer collection based on current trends.
- Students should prepare Garment Tech pack file.
- Garment tech pack file comprises all flat sketches, garment flow process details accessory and trims specification details and costing chart for single piece.
### Course Objectives:
The main objectives of this course are to:
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
3. 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. Prepare muslin and formulate the measurements for various garment’s draping (P3)
2. Produce the pattern blocks in dress form for various garments (P5)
3. Create dart or pleat variations in appropriate garment patterns (P5)

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

### Portfolio Presentation and Design Collection

**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 - 3 garments
- Summer Collection - 3 garments
  2. Inspiration board: Image collection from books and magazines by scanning, Photography and drawing, use of objects for mood creation
  3. Mood board: develop a theme based on group discussion, mind mapping, brainstorming.
  4. Colour board: spotting theme board, mood board and inspiration board arrive the color board.
  5. Flat sketch board: Develop front, side and back views

**Part B**
1. Construct the garments for all the above categories

### Contemporary Issues
Expert lectures, online seminars – webinars

### Text Books
5. Check and Stripe: A Design-Source Book 2, Kyoto Shoin Company Ltd. 1992

### Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1. [portfolio_internship_base](https://issuu.com/theodoracucu/docs/portfolio_internship_base)
2. [fashion-portfolio-checklist/](https://successfulfashiondesigner.com/fashion-portfolio/fashion-portfolio-checklist/)
Course code | BEAUTY CARE PRACTICAL | L | T | P | C |
--- | --- | --- | --- | --- | --- |
SBEC-IV | Beauty care skills | Syllabus | 2021 Onwards |

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:

CO1 Create various techniques used in beauty care  P5
CO2 Design traditional and modern style makeup using different equipments.  P5
CO3 Practice beauty techniques and procedures for different occasions.  P5

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

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 & sarees draping (4styles).
4. Basic Nail art techniques.
5. Facial -Skin analysis, cleaning & facial with different equipment’s, application of different types of packs & masks according to the skin types.
6. Different types of make-up - Daytime, Evening, Party & Bridal.
7. Pedicure & manicure.
8. Threading & waxing

Text Books

1. Complete Beautician Course by Renu Gupta
2. Be your own Beautician by Parvesh Handa
3. Advance makeup and hairstyle by Urvashi Dave

Related Online Contents

2. https://youtu.be/sYoz3G2OH5g
3. https://youtu.be/_o9cpvQPqBY
# LIST OF EQUIPMENTS REQUIRED FOR A BATCH OF 40 STUDENTS

<table>
<thead>
<tr>
<th>SEM</th>
<th>COURSE CODE</th>
<th>COURSE</th>
<th>EQUIPMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Allied Practical-I</td>
<td>Basics of Apparel Designing Practical</td>
<td>1. Working surface – pattern making / cutting table (polished or laminated top)</td>
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<td></td>
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<td>10 feet length<em>5 feet width</em>3 feet height- 4 No.</td>
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<td>2. Fabric and paper scissors- 20 No. Each</td>
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<td></td>
<td>Core Practical-II</td>
<td>Children’s Apparel Practical</td>
<td>3. Rulers – 12” and 36”- 20 No.</td>
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<tr>
<td></td>
<td>Core Practical-IV</td>
<td>Women’s Apparel Practical</td>
<td>4. Tailor’s square – 24” x 14” – 20 No.</td>
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<td>6. Pattern notcher, tracing wheel, awl - 5 No.</td>
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<td>8. Pattern weights - 20 No.</td>
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<td>9. Dress forms (Full and Half) – Kids, Women’s and Men’s – Each 5 No.</td>
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<td><strong>High speed industrial sewing machines</strong></td>
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<td>12. Double needle lock stitch machine- 1 No.</td>
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<td>13. Over-lock machine- 1 No.</td>
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<td>14. Flat lock machine- 1 No.</td>
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<td>15. Zigzag machine- 1 No.</td>
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<td>16. Straight knife cutting machine- 1 No.</td>
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<td>17. Steam pressing table (Desirable) – 1 No.</td>
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<td>18. Iron box (electric) – 5 No.</td>
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<td>20. Button Stitch machine-1 No</td>
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<td>21. Feed of arm machine- 1 No</td>
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</tbody>
</table>

| I    | Allied Practical-II | Fashion Illustration & Sketching Practical | I. Drawing Tables - 40 No.  
Note: Drawing table with adjustable model |
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<tbody>
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<td>2. Mannequin-Adult-male-1 or 2, female-1or 2, child- boy-1 or 2, girl-1or 2</td>
</tr>
</tbody>
</table>
|      | Core Practical-I    | Fashion Design Concepts & Methodology Practical | 1.Faber castle pencil  
2.Poster colors  
3.Acrylic colors  
4.Palettes  
5.Brush set  
6.Fabric |

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*Image of university logo*
| III | Core Practical- III | Fibre to Fabric Science Practical | 1. PICK Glass – 40 No.  
2. GSM Cutter – 1 No.  
4. Crimp Tester – 1 No.  
5. Electronic balance – 1 No  
7. Density gradient column-1 No.  
8. Weighing balance – 1 No.  
9. Conditioning Oven – 1No.  
10. Wrap reel-1 No.  
11. Yarn twist tester- 1 No.  
12. Lea strength tester- 1 No. |
| --- | --- | --- | --- |
| IV | Core Practical-V | Textile Wet Processing Practical | 1. Beakers 50ml,100ml, 250ml 500ml, Each 20 No  
2. Water bath, Thermometers- 1 No.  
4. Printing screen, Wooden blocks  
5. Pilot padding mangle – 1 No.  
6. HTHP Beaker dyeing machine – 1 No.  
7. Fastness tester (Grey scale) for Washing, Light, Perspiration & Rubbing  
8.Printing table  
9. Weighing Balance  
10. Spatchula – 40  
11. Test Tube, Stand, Holder  
12. Measuring Jar  
13. Spirit Lamp  
14. Vessel Holder  
15. Basin  
16. Nail blocks  
17. Gloves  
18. Electric Stove  
19. Lauder- o - meter  
20. Dyes, Pigments & Chemicals |
| V | SBEC- III | Computer Aided Pattern Designing Practical | 1. Desktop Computers – 40 No. (Multi user Garment CAD Software with access of 40 systems) |
| VI | SBEC- IV | Beauty Care Practical | 1. Hair Puff -10 No.  
2. Artificial Nail & Kit - 10 No.  
3.Scissors – 10 No  
4. Hair dryer – 1 No.  
5. Hair Straighten – 1 No.  
6. Palettes- 10 No.  
7. Facial steamer – 5 No.  
8.Hydraulic Facial Chair- 1 No  
9.Bleaching Kit |
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<tbody>
<tr>
<td>10.</td>
<td>Gloves</td>
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<tr>
<td>11.</td>
<td>Wax sheet</td>
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<td>12.</td>
<td>Eye brow thread</td>
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<tr>
<td>13.</td>
<td>Head Band</td>
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<tr>
<td>14.</td>
<td>Brushes kit</td>
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<td>15.</td>
<td>Eye liner</td>
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<td>16.</td>
<td>Rose water</td>
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<tr>
<td>17.</td>
<td>Moisturizing cream</td>
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<tr>
<td>18.</td>
<td>Sponge</td>
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<tr>
<td>19.</td>
<td>Shampoo</td>
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<tr>
<td>20.</td>
<td>Pedicure &amp; Manicure kit</td>
</tr>
<tr>
<td>21.</td>
<td>Water bowl</td>
</tr>
<tr>
<td>22.</td>
<td>Tiny stool</td>
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