DEGREE OF BACHELOR OF SCIENCE
CHOICE BASED CREDIT SYSTEM

Syllabus for

B.Sc. TEXTILE AND FASHION DESIGNING
(SEMESTER PATTERN)

(For Candidates admitted in the College Affiliated to Periyar University From 2021-2022 onwards)

REGULATIONS
I. **ELIGIBILITY**

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.

II. **DURATION**

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

III. **ELIGIBILITY FOR THE DEGREE**

A candidate shall be eligible for the degree of Bachelor of Science Textile & Fashion Designing, 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.

IV. **SUBJECT OF STUDY**

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

V. **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 in all the subjects prescribed in every semester.

VI. **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.

VII. **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 internal evaluation and 20% marks are allotted for external evaluation.
- For project, the candidate should get minimum marks of 32 marks in internal evaluation out of 80 and 8 marks in external evaluation out of 20.

PROGRAMME OUTCOMES
1. The graduates will be able to utilize their knowledge and skills in higher studies and research.
2. The graduates will able to execute innovative and professional skills in the field of Apparel Industry.
3. The graduates can start-up their business, freelance and enterprise without difficulty and can also enter into the world of work easily.
4. The graduates can exit with employability in various fields of textiles and apparel.

<table>
<thead>
<tr>
<th>Program Educational Outcomes (PEOs)</th>
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<tbody>
<tr>
<td>The B.Sc. (Textile &amp; Fashion Designing) program describe accomplishments that graduates are expected to attain within five to seven years after Graduation</td>
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SBEC- Skill Based Elective Courses; NMEC – Non-Major Elective Courses; MBEC – Major Based Elective Courses
# QUESTION PAPER PATTERN

## THEORY

<table>
<thead>
<tr>
<th>Unit</th>
<th>Section-A</th>
<th>Section-B</th>
<th>Section-C</th>
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<tbody>
<tr>
<td>I</td>
<td>Q. 1, 2, 3</td>
<td>Q. 16</td>
<td>Q. 21a, 21b</td>
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<td>II</td>
<td>Q. 4, 5, 6</td>
<td>Q. 17</td>
<td>Q. 22a, 22b</td>
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<td>III</td>
<td>Q. 7, 8, 9</td>
<td>Q. 18</td>
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<td>IV</td>
<td>Q. 10, 11, 12</td>
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<td>Q. 24a, 24b</td>
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<td>V</td>
<td>Q. 13, 14, 15</td>
<td>Q. 20</td>
<td>Q. 25a, 25b</td>
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<td>INTERNAL ASSESSMENT</td>
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<td>ASSIGNMENT</td>
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<td>ATTENDANCE</td>
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</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 (1X20 = 20) Either or Choice
SECTION B (1 X40 = 40) Either or Choice

INTERNAL MARKS:

| RECORD | 25 |
| SAMPLE | 10 |
| ATTENDANCE | 05 |

TOTAL: 40 MARKS

PASSING MINIMUM (IA) 40% - 16 MARKS
PASSING MINIMUM (UE) 60% - 24 MARKS
PASSING MINIMUM TOTAL - 40 MARKS
FIRST SEMESTER
### 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.  
   \( \text{K1} \)
2. Explain the production process of various textile fibers and yarns.  
   \( \text{K2} \)
3. Utilize the Fibers and Yarns in different fields of Textile Industry.  
   \( \text{K3} \)
4. Analyze the structural investigations techniques of Fibers and Yarn.  
   \( \text{K4} \)
5. Outline the Properties and behavior of textile fibers and Yarns.  
   \( \text{K2} \)

\( \text{K1} \) - Remember;  \( \text{K2} \) - Understand;  \( \text{K3} \) - Apply;  \( \text{K4} \) - Analyze;  \( \text{K5} \) - Evaluate;  \( \text{K6} \) – Create

#### Unit: 1 Introduction of Textile Fibers

#### 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

#### 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
### Text Book(s)

<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Author(s)</th>
<th>Publisher/Publication Details</th>
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</table>

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1</td>
<td><a href="https://textilelearner.blogspot.com/">https://textilelearner.blogspot.com/</a></td>
</tr>
<tr>
<td>Course Code</td>
<td>FIBER &amp; YARN SCIENCE - PRACTICAL</td>
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<tr>
<td>Core Practical- I</td>
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<tr>
<td>Basic Knowledge in Textiles and Science</td>
<td>Syllabus</td>
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</table>

**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:

1. Discover the natural and man-made fibres using various identification test methods.  
   P2
2. Determine the blend proportion of different fibers from the blended material.  
   P3
3. Calibrate the count and twist of the textile yarn.  
   P3

**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
5. 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**


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

1. [https://nptl.ac.in/courses/116/102/116102026/](https://nptl.ac.in/courses/116/102/116102026/)
2. [https://onlinecourses.swayam2.ac.in/cec19_te01/preview](https://onlinecourses.swayam2.ac.in/cec19_te01/preview)
3. [https://textilelearner.blogspot.com/](https://textilelearner.blogspot.com/)
Course Code | PATTERN MAKING & GRADING | L | T | P | C  
---|---|---|---|---|---  
Allied-I | Syllabus | 2 | 2 | - | 3  
Basic Knowledge in Textiles and Science | 2021 Onwards |

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

1. Infer about pattern making terminology and steps in taking body measurement. K2
2. Summarize the pattern drafting techniques and fitting standards for different garments. K2
4. Predict different pattern grades and fabric grains for cutting. K3
5. Explain pattern alteration techniques and predict the various kinds of pattern 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

Unit:3 DRAPING
Draping -Definition and Meaning, Need for draping, Importance of Draping Technique, Advantages and Disadvantages, Tools and Equipments 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>
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<tbody>
<tr>
<td>1 Mary Mathews, Practical Clothing Construction- Part I and II, - Cosmic Press, Madras, 1990</td>
</tr>
</tbody>
</table>

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

| 1 | [https://textilelearner.blogspot.com/2014/03/methods-off-garment-parttern-grading.html](https://textilelearner.blogspot.com/2014/03/methods-off-garment-parttern-grading.html) |
SECOND SEMESTER
Course Code: APPAREL MANUFACTURING MACHINERIES & EQUIPMENT

<table>
<thead>
<tr>
<th>Course Objectives:</th>
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<tbody>
<tr>
<td>1. To acquaint students of the basic production machinery and equipment used in apparel construction.</td>
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<tr>
<td>2. To learn about the garment industry.</td>
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<td>3. To learn the working process of the various departments in garment industry.</td>
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</table>

**Expected Course Outcomes:**

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

1. Describe the various machineries and process involved in fabric spreading and cutting. K2
2. Generalize the types of garment production machineries and its application methods. K2
3. Summarize the sewing machines and its special attachments for higher production. K4
4. Explain the special machines and its functions in Garment Industry. K2
5. Identify garment finishing machineries and its working principles. K4

**Unit: 1 Introduction to Garment Industry Process**


**Unit: 2 Classification of Garment Manufacturing Machines**

Classification of garment manufacturing machines & applications. Studies on different sewing machines – Lockstitch machine (chain stitch formation) - Features of advanced lock stitching machines. Over lock machine – Classification - Three thread over-lock machine – Stitch forming elements. Brief study on double needle lock stitch machine, flat lock machines.

**Unit: 3 Sewing Machine and its Details**

Sewing machine shapes - Sewing machine bed types - Description and application of each bed – Flat bed - Cylinder bed - Post bed – Applications. Feed mechanisms – Types - Drop feed – Compound feed-Unison feed – Drop and variable top feed – Differential bottom and variable top feed (description of each type of feed mechanisms with sketch).

**Unit: 4 Machine Parts**

### Unit: 5  
#### Garment Finishing Process


#### Text Book(s)

<table>
<thead>
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<th>No.</th>
<th>Title</th>
<th>Author(s)</th>
<th>Publisher and Place</th>
<th>Year</th>
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<tbody>
<tr>
<td>1</td>
<td>The Technology of Clothing Manufacture</td>
<td>Harold Carr and Barbara</td>
<td>Blackwell Science Ltd, England</td>
<td>1994</td>
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<td>Latham</td>
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<td>Technology</td>
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<td>Planning</td>
<td>Bowers and Marietta Kettunen</td>
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<td><a href="https://www.onlineclothingstudy.com/2018/05/machinery-needed-for-garment.html">https://www.onlineclothingstudy.com/2018/05/machinery-needed-for-garment.html</a></td>
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<td><a href="https://garmentsmerchandising.com/garment-machine-function/">https://garmentsmerchandising.com/garment-machine-function/</a></td>
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<td>3</td>
<td><a href="https://dir.indiamart.com/indianexporters/m_texmch.html">https://dir.indiamart.com/indianexporters/m_texmch.html</a></td>
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</table>
Course Code | BASIC APPAREL DESIGNING-PRACTICAL | L | T | P | C
---|---|---|---|---|---
Core Practical-II | - | - | 4 | 2 |
Basic Knowledge in Garment Machineries | Syllabus | 2021 Onwards |

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. Manipulate the various seams, seam finish and bias finishing techniques. P2
2. Customize the fullness methods, placket and fasteners attachments in garment. P4
3. Construct the various body parts of a garment. P4

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

1. Preparation of Samples for Seams and Seam Finishes.
2. Preparation of Samples for Hems.
3. Preparation of Samples for Facing and binding (Any2)
4. Preparation of Samples for Fullness. (Darts, Tucks, Pleats, Gathers, Flares, Ruffles, Godets and Gathers)
5. Preparation of Samples for Plackets and fasteners,(Any2)
6. Preparation of Samples for different Sleeves.(Any2)
7. Preparation of Samples for different Collars.(Any2)
8. Preparation of Samples for different Yokes.(Any2)
9. Preparation of Samples for different pockets(Any2)

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)
<table>
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<tr>
<th>Course Code</th>
<th>BASIC ILLUSTRATION &amp; SKETCHING - PRACTICAL</th>
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<td>Basic Knowledge in Garment Machineries</td>
<td>Syllabus 2021 Onwards</td>
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**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. Compose various types of garment and its parts
2. Design different kinds of accessories and ornaments
3. Deconstruct the various head theories of human figures, features and different positions of body parts.

**Text Book(s)**

THIRD SEMESTER
<table>
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<tr>
<th>Course Code</th>
<th>WOVEN FABRIC SCIENCE</th>
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Basic Knowledge in Garment Machineries

**Course Objectives:**

1. To impart knowledge on woven fabrics
2. To help students understand fabric formation process.

**Expected Course Outcomes:**

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

   
   K2

2. Explain the principles of sizing process and its methods.  
   
   K2

3. Infer about the basic mechanism of loom and its structure.  
   
   K2

4. Categorize the woven fabrics and its structure  
   
   K4

5. Differentiate the types of looms and jacquard mechanisms involved in woven fabric production.  
   
   K4

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

**Unit:1 Preparatory Process**


**Unit:2 Sizing Process**


**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 Brighten Honey Comb; Huck-a-Back; Mock Leno; extra warp and extra weft figuring – single and double colour.

**Unit:5 Loom types**

**Text Book(s)**

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<tbody>
<tr>
<td>1</td>
<td>R.Marks, A.T.C. Robinson, Principles of Weaving, The Textile Institute, Manchester(1976)</td>
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**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**

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<td><a href="https://www.cottonworks.com/topics/sourcing-manufacturing/weaving/basic-woven-designs-">https://www.cottonworks.com/topics/sourcing-manufacturing/weaving/basic-woven-designs-</a></td>
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<td>introduction-to-woven-fabric/</td>
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<td>2</td>
<td><a href="https://www.textileschool.com-453-wovendesign-">https://www.textileschool.com-453-wovendesign-</a></td>
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<tr>
<td>3</td>
<td><a href="https://www.intechopen.com/books/advances-in-modern-woven-fabric-technology/color-and-">https://www.intechopen.com/books/advances-in-modern-woven-fabric-technology/color-and-</a></td>
</tr>
<tr>
<td></td>
<td>weave-relationship-in-woven-fabric</td>
</tr>
</tbody>
</table>
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:

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

1. Calibrate design, draft and peg-plan for simple woven fabrics. P3
2. Determine the designs for decorative woven fabrics. P3
3. Formulate the draft and peg-plan for decorative woven fabrics P3

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

Text Book(s)

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, Publication by West Bengal, 1984
<table>
<thead>
<tr>
<th></th>
<th>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td><a href="https://www.textileschool.com-453-wovendesign-">https://www.textileschool.com-453-wovendesign-</a></td>
</tr>
</tbody>
</table>
Course Objectives:
The main objectives of this course are to:
1. Familiarize with the basics of knitting process
2. Impart knowledge on the warp and weft knitting techniques
3. To know the recent trends and technologies adopted in the industry

Expected Course Outcomes:
On the successful completion of the course, student will be able to:
1. Outline basics of knitting process and knitting machine process functions. K2
2. Summarize the warp and weft knitting process and its production techniques. K3
4. Generalize non woven fabric production process and its uses K2
5. Infer about technical textiles applications and its types. K2

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

Unit: 1  Knitting Overview
Knitting – Definition, classification and history, characteristics of knitted goods. General terms and principles of knitting technology, machine knitting, parts of machine, knitted loop structure, stitch density

Unit: 2  Principles of Weft & Warp Knitting Technology
Weft knitting – classification - circular rib knitting machine, purl, interlock, jacquard - single jersey machine - basic knitting elements - types and functions – knitting cycle, CAM – system - 3-way technique to develop design - knit, tuck, miss - effect of stitches on fabric properties.
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, elasticized fabrics.

Unit: 3  Seamless Knitting & Knitting Care
Seamless Knitting – Applications, advantages, and limitations. Care and maintenance of knitted material - washing, drying, ironing, storing. Common defects that occur in knitted fabric production.

Unit: 4  Non-woven

Unit: 5  Technical Textiles
Introduction, Definition, scope and importance & uses. Applications of agro-tech, build-tech, cloth-tech, home-tech, indu-tech, mechanical-tech, sports-tech, pack-tech, mobile-tech, protect-tech, geo-tech, medical-tech.

Text Book(s)
2. Knitting and Apparel Technology, S.S.M.I.T Co-operative Society, 2005
6. Non-woven, Arul Dhakiya, M.G. Kamath, RagHAVendra, R. Hedge & Monica Kannadnguli
<table>
<thead>
<tr>
<th></th>
<th>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</th>
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<tbody>
<tr>
<td>1</td>
<td><a href="https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html">https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html</a></td>
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<tr>
<td>3</td>
<td><a href="https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry">https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry</a></td>
</tr>
<tr>
<td>4</td>
<td><a href="https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology">https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology</a></td>
</tr>
<tr>
<td>5</td>
<td><a href="https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html">https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html</a></td>
</tr>
<tr>
<td>Course code</td>
<td>KNIT FABRIC DESIGN &amp; ANALYSIS</td>
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<tr>
<td>Core Practical-IV</td>
<td>Syllabus</td>
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<tr>
<td>Basic knowledge about knit fabric</td>
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</table>

Course Objectives:
The main objectives of this course are to:
1. Identify the loop structure of the fabric
2. Identify different types of knitted fabric sample
3. Identify fabric defects, its cause and work on the remedies

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

| 1 | Discover loop structure and graphical representation of weft knit fabrics | P3 |
| 2 | Determine the loop structure and graphical representation of warp knit fabrics | P3 |
| 3 | Classify the different defects from the knitted fabrics. | P4 |

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

1. **Identify the Given Fabric Sample Using Unravel and Graphic Representation Method**
   - Plain Knit
   - Rib Knit
   - 1x1
   - 2x2
   - Interlock
   - Pique – any 2structures
   - Tricot
   - Raschel

2. **Analyze the Defects**
   - 30 hours
   - Vertical and horizontal lines
   - Holes and cuttings
   - Distorted

**Text Book(s)**
2. Knitting and Apparel technology, S.S.M.I.T Co-operative Society. 2005

**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**
3. https://nptl.ac.in/course/116/102/116102008/
<table>
<thead>
<tr>
<th>Course code</th>
<th>CHILDREN'S APPAREL PRACTICAL</th>
<th>L</th>
<th>T</th>
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<td>Core Practical-V</td>
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<td>5</td>
<td>3</td>
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<tr>
<td></td>
<td>Basic knowledge about knit fabric</td>
<td>Syllabus</td>
<td>2021 Onwards</td>
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</tr>
</tbody>
</table>

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
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/viewsubject?catid=827
2. https://www.youtube.com/watch?v=LuazkYL0j3a
3. https://www.youtube.com/watch?v=n1-shbmnvVg
Course code | FASHION DESIGNING | L | T | P | C
---|---|---|---|---|---
Allied-III | | 3 | 2 | - | 4

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 K2
2. Generalize the colour combinations with standard colour harmonies K3
3. Interpret the fashion evolution, consumer groups in fashion theories and forecasting. K4
4. Justify the different dress designs for unusual figure types K4
5. Describe fashion terminologies and fashion profiles K2

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

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

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)

<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Author(s)</th>
<th>Publisher</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Art and Fashion in Clothing Selection – Mc Jimsey and Harriet</td>
<td>Iowa State University Press, Iowa</td>
<td>1973</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Fashion from Concept To Consumer – Frings Gini Stephens</td>
<td>Pearson Education</td>
<td>US, 1998</td>
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</table>

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

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<tr>
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<tbody>
<tr>
<td>1</td>
<td><a href="https://www.apparelsearch.com/terms/index.html">https://www.apparelsearch.com/terms/index.html</a></td>
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<tr>
<td>2</td>
<td><a href="https://www.instyle.com/fashion">https://www.instyle.com/fashion</a></td>
</tr>
<tr>
<td>3</td>
<td><a href="https://prezi.com/l1lwghqiqs/-fashion-elements-and-principles-of-design/">https://prezi.com/l1lwghqiqs/-fashion-elements-and-principles-of-design/</a></td>
</tr>
</tbody>
</table>
Course code | FASHION DESIGNING PRACTICAL | L | T | P | C
---|---|---|---|---|---
Allied Practical-III | Knowledge in Fashion Sketching | - | - | 3 | 2

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.

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 - 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)


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

1. [https://www.idrawfashion.com/](https://www.idrawfashion.com/)
Course code | FUNDAMENTALS OF TEXTILES | L | T | P | C
|---------------|--------------------------------|---|---|---|---
| NMEC_1        |                                | 1 | 1 |   | 2

Have basic knowledge in designing

| Syllabus | 2021 Onwards |

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 textile fibres and its characteristics.
2. Interpret the manufacturing process, properties and uses of different textile fibres.
3. Explain fibre spinning methods and categorize different kind of yarns.
5. Generalize the non woven fabric production process and its application.

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

Unit: 1  Fiber Classification
Introduction to the field of Textiles–classification of fibers–natural and chemical–primary and secondary characteristics of textile fibers.

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

Unit: 3  Spinning & Yarn Classification

Unit: 4  Woven
Woven–basic weaves – plain twill, satin, fancy weaves – pile, double cloth, leno, swivel, tappet, doby and jacquard, weaving technology-process Sequence–machinery details.

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


Text Book(s)

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1  https://nptel.ac.in/courses/116/102/116102026/
3  https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html
FOURTH SEMESTER
### Course Objectives:
The main objectives of this course are to:
1. Instruct about various tests for yarns, fabrics & garments
2. Describe about various levels of inspection & its procedure in apparel production
3. Describe about various norms & standards followed in testing and inspection

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Knowledge Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Explain the testing procedure for various yarn parameters</td>
<td>K2</td>
</tr>
<tr>
<td>2</td>
<td>List out the specifications for various woven &amp; knitted fabrics</td>
<td>K2</td>
</tr>
<tr>
<td>3</td>
<td>Differentiate the various systems used for fabric inspection</td>
<td>K4</td>
</tr>
<tr>
<td>4</td>
<td>List out the possible defects and its causes in apparel production</td>
<td>K2</td>
</tr>
<tr>
<td>5</td>
<td>Differentiate the categories of defects in garment and the various standards followed in apparel testing</td>
<td>K4</td>
</tr>
</tbody>
</table>

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

### Unit: 1 | Yarn Testing

### Unit: 2 | Fabric Testing

### Unit: 3 | Raw material Inspection
Inspection: Definition - Types of Inspection. Raw materials inspection: fabric inspection systems & Testing of Sewing thread, zippers, Buttons.

### Unit: 4 | In process inspection
In process inspection and its significance in apparel quality. Defects in Sewing, Ironing & Packing. Testing of Seam strength & seam slippage

### Unit: 5 | Final Inspection & Standards

### Text Book(s)
<table>
<thead>
<tr>
<th>No.</th>
<th>Related Website</th>
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<tbody>
<tr>
<td>2</td>
<td><a href="https://insight-quality.com/garment-quality-control-procedures/">https://insight-quality.com/garment-quality-control-procedures/</a></td>
</tr>
<tr>
<td>3</td>
<td><a href="https://garmentsmerchandising.com/acceptable-quality-level-apparel-industry/">https://garmentsmerchandising.com/acceptable-quality-level-apparel-industry/</a></td>
</tr>
<tr>
<td>4</td>
<td><a href="http://texhour.com/aql-and-type-of-defects">http://texhour.com/aql-and-type-of-defects</a></td>
</tr>
</tbody>
</table>
## Course Objectives:

The main objectives of this course are to:

1. Dye and Print the fabrics the using suitable dyes and prints
2. Prepare on Effluent and its impact
3. Prepare the fabric for finishing

## Expected Course Outcomes:

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Expected Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Generalize the pre-preparatory process sequence in a textile industry</td>
</tr>
<tr>
<td>2</td>
<td>Explain the types of finishes used in textile materials</td>
</tr>
<tr>
<td>3</td>
<td>Discover the textile dyes and dyeing methods</td>
</tr>
<tr>
<td>4</td>
<td>Infer about direct printing methods</td>
</tr>
<tr>
<td>5</td>
<td>Outline about discharge printing and the need for effluent treatment</td>
</tr>
</tbody>
</table>

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

### Unit: 1 Wet Processing Process and Basic Finishes


### Unit: 2 Aesthetic, Functional and Special Finishes

- Aesthetic finish– glazed, Moire, embossed, napped finish Functional finish – Water repellant, flame retardant, antistatic finish Special purpose finish – fragrance, antibacterial, stone wash and enzyme wash in denim Recent trends – Microencapsulation and nano finishes.

### Unit: 3 Dyes and Dyeing Machines


### Unit: 4 Direct Printing


### Unit: 5 Resist, Discharge Printing and Effluent Treatment

- Discharge Printing, other methods – Digital Printing. Heat transfer printing Effluent Treatment – Pollution created by the processing unit, Process sequence in Effluent treatment Plant.

### Text Book(s)


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

1. https://textilecourse.blogspot.com/2018/08/working-process-printing-
5. https://www.fibre2fashion.com/industry-article/1699/special--finishes-to-garment-an-overview
Course code | TEXTILE WET PROCESSING PRACTICAL | L | T | P | C
---|---|---|---|---|---
Core Practical-VII | - | - | 5 | 3 |
Basic knowledge about knit fabric | Syllabus 2021 Onwards |

**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 dying.

**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. P5
2. Formulate the recipe for the fabric sample dyeing. P5
3. Produce the sample by formulated recipe and calibrate shade percentage. 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:**
- DirectDye
- SulphurDyes
- VatDye
- DisperseDye
- ReactiveDyes
- AcidDye

**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.]**
<table>
<thead>
<tr>
<th>Course code</th>
<th>WOMEN'S APPAREL PRACTICAL</th>
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<tr>
<td>Basic knowledge about knit fabric</td>
<td>Syllabus</td>
<td>2021 Onwards</td>
<td></td>
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</tbody>
</table>

**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.

**Calculate the material required – Layout method and Direct measurements method**
1. Saree Petticoat- Six Panel, Decorated bottom.
2. Skirts – Circular/umbrella/panel with style variations.
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
3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college32

**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**
1. [https://www.patternsonline.com-default.aspex](https://www.patternsonline.com-default.aspex)
2. [https://shoeguide.com/](https://shoeguide.com/)
Course code | EMBROIDERY & ACCESSORIES MAKING PRACTICAL | L | T | P | C
| SBEC-I | | | | |

| Basic knowledge about knit fabric | Syllabus 2021 Onwards |

**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  
P4
2. Prepare decorative samples using beads or mirrors or sequins or etc.,  
P5
3. Develop complex fashion accessories by learning to design different accessories manually  
P5

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

A. Prepare samples for the following

1. Hand embroidery – 20 stitches -10 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
3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college32

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

1. [https://sueguide.csom/smocking/](https://sueguide.csom/smocking/)
2. [https://www.youtube.com/watch?v=nJz9c8gEvFg](https://www.youtube.com/watch?v=nJz9c8gEvFg)
Course code: Allied-IV  
**HOME TEXTILES**  
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</table>

**Knowledge about choice of fabrics for Home Textiles**  
Syllabus 2021 onwards

**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:
1. Classify the home textile products and list out the fabric selection factors.  
2. Categorize the types of floor and wall coverings in home textiles.  
3. Distinguish doors and window treatments in home furnishing.  
4. Generalize the furnishing used in living room.  
5. Discover the furnishing types of kitchen and dining.

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

**Unit:1**  
**Introduction to Home textiles**
Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles.

**Unit:2**  
**Floor and wall coverings**
Floor and wall coverings – definition, types of floor covering – hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering- definition, uses, care and maintenance of wall coverings.

**Unit:3**  
**Door and Window treatments**
Door and window treatments – definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of Curtains – draw, tailored, pleated, cafe, three tier curtains. Types of Draperies – swags. Accessories- rods hook, rails, racks, curtain tape pins.

**Unit:4**  
**Soft furnishings for living rooms**
Soft furnishings for living and bed linen. Introduction to living and bedroom linens, types-sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.

**Unit:5**  
**Soft furnishing for kitchen and dining**

**Text Book(s)**
1. Home Comforts-The Arts and Science of Keeping Home, Cheryl Mendelson, Scriber, New York, 2005
<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>8</td>
<td>Home Furnishing, V. Ramesh Babu and S. Sundaresan, Woodhead Publishing India Pvt. Limited, 2018</td>
</tr>
</tbody>
</table>

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

1. [https://www.homestratosphere.com/types-curtains/](https://www.homestratosphere.com/types-curtains/)
4. [https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review](https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review)
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. Infer about design and its types K2
2. Interpret the principles of design and its applications K3
3. Explain color theory and color schemes. K2
4. Generalize the designing concepts for unusual figures. K2
5. Justify wardrobe planning and list out the factors for fabric selection K2

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
FIFTH SEMESTER
<table>
<thead>
<tr>
<th>Course code</th>
<th>APPAREL COSTING &amp; MERCHANDISING</th>
<th>L</th>
<th>T</th>
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<table>
<thead>
<tr>
<th>Basic knowledge in garment production processes</th>
<th>Syllabus</th>
<th>2021 Onwards</th>
</tr>
</thead>
</table>

**Course Objectives:**

The main objectives of this course are to:

1. Impart learning about principles of costing and budgeting
2. Impart learning about costing procedure for various garment styles
3. Impart learning about costing procedure for export and domestic products
4. Instruct about roles & responsibilities of merchandiser
5. Describe about planning & programming in execution of an order

**Expected Course Outcomes:**

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

1. Infer about the elements of cost in pricing apparels  
   K2
2. Generalize the process involved in budgeting.  
   K2
3. Estimate the fabric cost in apparel production  
   K4
4. Summarize order sheet and maintain record in garment production unit.  
   K2
5. Prioritize the promotional aids for retail and wholesale apparel marketing  
   K4

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

**Unit: 1 Elements of Cost**

Principles of costing - requirements of good costing system - cost unit - types of costs - Elements of cost - direct material cost - direct expenses - direct wages - indirect materials – indirect expenses - indirect labour-overheads—prime cost-work cost-cost of production – total cost. INCO terms & its relationship with costing.

**Unit: 2 Budgeting**

The budgeting process: Budgeting principles for the apparel industry- Fixed vs. variable budget - Master budget-laminations of budgets- any justification effort -Planned Vs Actual Cost.

**Unit: 3 Fabric Cost Estimation**


**Unit: 4 Order Sheet & Documentation**


**Unit: 5 Product Promotion**

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)**
<table>
<thead>
<tr>
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<th>Related websites</th>
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<td><a href="https://corporatefinanceinstitute.com/resources/knowledge/finance/budgeting/">https://corporatefinanceinstitute.com/resources/knowledge/finance/budgeting/</a></td>
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<td><a href="https://efinancemanagement.com/budgeting">https://efinancemanagement.com/budgeting</a></td>
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<td>4</td>
<td><a href="https://theinvestorsbook.com/pricing-methods.html">https://theinvestorsbook.com/pricing-methods.html</a></td>
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<td>5</td>
<td><a href="https://www.yourarticlelibrary.com/marketing/pricing/pricing-objectives-top-5-objectives-of-pricing-explained/48639">https://www.yourarticlelibrary.com/marketing/pricing/pricing-objectives-top-5-objectives-of-pricing-explained/48639</a></td>
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<tr>
<td>Course code</td>
<td>TEXTILE FINISHING</td>
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<tr>
<td>Core VIII</td>
<td>Syllabus</td>
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</table>

**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. **K2**
2. Generalize the process sequence of mechanical finishes on textile materials. **K2**
3. Interpret the functional finishes on textile materials **K3**
4. Infer about the advanced finishes carried out on textiles **K3**
5. Discover the special finishes on textile materials. **K4**

**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, Schreinering, Wrinkle free finish.

**Unit:3  Functional Finishing**


**Unit:4  Advanced Finishes**


**Unit:5  Special 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)
<table>
<thead>
<tr>
<th>Course code</th>
<th>FASHION BUSINESS COMMUNICATION</th>
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<tr>
<td>Core-IX</td>
<td>Knowledge about fashion</td>
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### Course Objectives:

The main objectives of this course are to:

1. Gain a better understanding of a fashion designer at the national and international level
2. Impart knowledge on new product development, sales promotion, retailing and pricing
3. Move towards a sustainable fashion

### Expected Course Outcomes:

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

1. Describe the factors influencing fashion changes and World fashion centers. **K2**
2. Analyze the contributions of the fashion designers nationally and internationally **K4**
3. Generalize the steps involved in new product development and sales promotion **K2**
4. Analyze the scope and functions of retailing and pricing **K4**
5. Evaluate the environmental pollution created by fashion products and move towards sustainable fashion **K4**

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

#### Unit:1  World of Fashion- An Overview

Factors influencing fashion changes – Accelerating and Decelerating factors

#### Unit:2  Legendary Fashion Designers

An overview of Indian Fashion Designers – Manish Malhotra, Manish Arora, Ritu Beri, Tarun Tahiliani, Rohit Bal, Wendell Rodricks, JJ Valaya.

#### Unit:3  Fashion Products and Promotion

The fashion industry and new product development; product mix and range planning. Fashion and Seasons. Fashion Promotion – Fashion Communication; Fashion Advertising and Publicity; Personal Selling – importance and steps involved; Fashion Shows – types and steps involved in organizing a show; Sales promotion methods /strategies.

#### Unit:4  Fashion Retailing

Fashion Retailing - Scope and functions, Types of Stores, Challenges for fashion retail in India, E- retailing – growth and development, Major players of fashion goods online. Pricing policies and strategies for apparel products, Functions and factors Influencing pricing, pricing strategies for new products, methods of setting prices

#### Unit:5  Sustainable Fashion

Sustainable Fashion – meaning and significance; Environmental concerns related to fashion; Linear fashion and circular fashion; 4R’s in sustainability – Repair, recycle, reuse and reduce. Moving towards sustainable fashion - Eco fashion, Slow fashion; Environmental impact of fast fashion.
### Text Book(s)


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

2. [https://www.reviewsxp.com/blog/top-fashion-designers/](https://www.reviewsxp.com/blog/top-fashion-designers/)
4. [https://www.fibre2fashion.com/](https://www.fibre2fashion.com/)
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
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
5. Salwar
6. Kameez
7. Tops
8. Nighty

Unit: 3  Men’s wear
Draft and grade patterns for the following garments. Create marker plans and conduct fit analysis for the following garments
9. Full sleeve shirt
10. T-Shirt
11. Bermudas-Pleated trouser
**Contemporary Issues**

Expert lectures, online seminars – webinars

**Text Books**

<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Author/Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pattern Cutting For Clothing Using Cad: How To Use Lectra Modaris Pattern Cutting Software</td>
<td>Stott M, Woodhead Publishing Ltd, 2012</td>
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**Related Online Content [MOOC, SWAYAM, NPTEL, Websites etc.]**

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<tr>
<td>3</td>
<td><a href="https://www.youtube.com/watch?v=iX7O4X7O4fNQiJ_A">https://www.youtube.com/watch?v=iX7O4X7O4fNQiJ_A</a></td>
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Course code

INTERNSHIP TRAINING (Viva-voce)

Core Practical- IX

Gain Practical insights of the industry / company

L T P C
- - - 3

Syllabus 2021 Onwards

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:

Generalize working structure of the industry/ company P3
Analyze the methods adopted in the training place P4
Recognize the challenges in the training place P2
Discover the nuances of the workplace and appreciate it P5

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. 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.]

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<thead>
<tr>
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<th>Related Online Content</th>
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<tbody>
<tr>
<td>1</td>
<td><a href="https://www.wikihow.com/Write-a-Report-After-an-Internship">https://www.wikihow.com/Write-a-Report-After-an-Internship</a></td>
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<td>3</td>
<td><a href="https://www.academia.edu/25257761/Student_Internship_Logbook">https://www.academia.edu/25257761/Student_Internship_Logbook</a></td>
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<td>5</td>
<td><a href="https://valenciacollege.edu/students/internship/documents/ActivityLog.pdf">https://valenciacollege.edu/students/internship/documents/ActivityLog.pdf</a></td>
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<td>6</td>
<td><a href="https://www.template.net/business/log/internship-time-log/">https://www.template.net/business/log/internship-time-log/</a></td>
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Course code | MENS APPAREL PRACTICAL | L | T | P | C
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Core Practical-X |  | - | - | 5 | 3

**Basic Knowledge about Men’s apparel designing**

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<tr>
<th>Syllabus</th>
<th>2021 Onwards</th>
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**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.  
   **P3**
2. Prepare patterns and calculate material requirement for the designed men’s wear.  
   **P3**
3. Construct the designed men’s garment and calibrate the cost of the garment.  
   **P5**

**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
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)**


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

1. [https://shoeguide.com/](https://shoeguide.com/)
2. [https://www.patternsonline.com-default.aspex](https://www.patternsonline.com-default.aspex)
Course Code: MBEC-I

Entrepreneurship Development

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Basic knowledge about apparel business opportunities

Syllabus

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, understand and internalize the process of setting up a new business.

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

Outline the concept of entrepreneurship and traits of entrepreneur

Identify a project and formulate a project report.

Appraise the formalities of SSI’s Registration for an enterprise

Identify the Sources of Finance and Institutional Assistance for small scale industries.

Infer about entrepreneur, 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; SIDO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISIET, NIESBUD; TANSIDCO; TIIC; State Financial Corporation; KVIC

Unit: 5 Financial incentives for SSI

Financial incentives and subsidies for SSI’s, and Tax concessions; – seed capital assistance – Role of entrepreneur in export promotion and import substitution – Social Entrepreneur, Incubation centre, Startup India

2021 Onwards

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<tr>
<th></th>
<th>Text Book(s)</th>
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<tbody>
<tr>
<td>1</td>
<td>Entrepreneurial Development, Dr. C.B. Gupta, Sultan Chand &amp; Sons, New Delhi, 2009</td>
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<td>Entrepreneurial Development, Dr.S. S Khanka, Sultan Chand &amp; Sons, New Delhi, 2009.</td>
</tr>
<tr>
<td>4</td>
<td>Entrepreneurship New Venture Creation, David H. Holt, Prentice Hall of India Private Limited, New Delhi, 2005</td>
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<td><a href="https://www.researchgate.net/publication/259843889">https://www.researchgate.net/publication/259843889</a></td>
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SIXTH SEMESTER
Course Code: CLOTHING CARE

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<tbody>
<tr>
<td>Basic Knowledge about garment and fabric care</td>
<td>Syllabus</td>
<td>2021 Onwards</td>
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**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:**
On the successful completion of the course, student will be able to:

1. Identify the suitable methods of washing, drying, ironing and storing
2. Evaluate the methods and equipment to be used for the better life of clothes
3. Appraise the stiffening agents used in fabric washing.
4. Recognize the principles of washing and its facts.
5. 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**

**Unit:3 Finishes and stiffening agents**

**Unit:4 Principles of Washing**

**Unit:5 Special Types of Laundry & Care Labels**

**Text Book(s)**
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<th>Source</th>
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<tr>
<td>1</td>
<td>Dantyagis, “Fundamentals of Textile and Their Care”, Oriental Longmans Ltd, New Delhi, 1996</td>
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<tr>
<td>2</td>
<td>Denlkar, “Household Textiles and Laundry Work”, Atma Ram and Sons, Delhi, 1993</td>
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<tr>
<td>3</td>
<td>Neomi D’Souza, “Fabric Care”, New Age International Publisher, 1998</td>
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**Related Websites**

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<tr>
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<th>URL</th>
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<tbody>
<tr>
<td>1</td>
<td><a href="https://www.bhg.com/homekeeping/laundry-linens-cloths-how-to-wash-clothes-by-hand/">https://www.bhg.com/homekeeping/laundry-linens-cloths-how-to-wash-clothes-by-hand/</a></td>
</tr>
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<td>2</td>
<td><a href="https://textilelearner.blogspot.com/2013/07/textile-finishing-processing.html">https://textilelearner.blogspot.com/2013/07/textile-finishing-processing.html</a></td>
</tr>
<tr>
<td>Course Code</td>
<td>APPAREL PRODUCTION MANAGEMENT</td>
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<tr>
<td></td>
<td>Core XI</td>
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<td></td>
<td>Basic knowledge in textile fibers, yarns &amp; fabrics</td>
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</table>

**Course Objectives:**

The main objectives of this course are to:

1. Instruct about various test for yarns, fabrics & garments
2. Describe about various levels of inspection & its procedure in apparel production
3. Describe about various norms & standards followed in testing and inspection

**Expected Course Outcomes:**

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

1. Outline the testing procedure for various yarn parameters  
   - Know (K2)
2. List out the specifications for various woven & knitted fabrics  
   - Know (K2)
3. Differentiate the various systems used for fabric inspection  
   - Apply (K3)
4. List out the possible defects and its causes in apparel production  
   - Know (K2)
5. Differentiate the categories of defects in garment and the various standards followed in apparel testing  
   - Evaluate (K4)

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

**Unit: 1  Yarn Testing**


**Unit: 2  Fabric Testing**


**Unit: 3  Raw material Inspection**

- Inspection: Definition - Types of Inspection. Raw materials inspection: fabric inspection systems & Testing of Sewing thread, zippers, Buttons.

**Unit: 4  In process inspection**

- In process inspection and its significance in apparel quality. Defects in Sewing, Ironing & Packing. Testing of Seam strength & seam slippage

**Unit: 5  Final Inspection & Standards**

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<thead>
<tr>
<th><strong>Text Book(s)</strong></th>
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<tbody>
<tr>
<td>2</td>
<td>Managing Quality in Apparel Industries, Pradeep V Metha &amp; Satish K. Bhardwaj, NIFT, 1998</td>
</tr>
<tr>
<td>4</td>
<td>Textile Testing, Arindam Basu, South India Textile Research Association, 2006</td>
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<td><a href="https://insight-quality.com/garment-quality-control-procedures/">https://insight-quality.com/garment-quality-control-procedures/</a></td>
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<td><a href="https://garmentsmerchandising.com/acceptable-quality-level-apparel-industry/">https://garmentsmerchandising.com/acceptable-quality-level-apparel-industry/</a></td>
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<td><a href="http://texhour.com/aql-and-type-of-defects">http://texhour.com/aql-and-type-of-defects</a></td>
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<tr>
<td>Course code</td>
<td>FASHION DRAPING PRACTICAL</td>
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<tr>
<td>Core Practical-XI</td>
<td></td>
</tr>
<tr>
<td>Basic knowledge in pattern making, body silhouettes and various fabrics</td>
<td>Syllabus</td>
</tr>
</tbody>
</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 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.**

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. 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)**

**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**
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. Outline export promotion council procedures for firm establishment.  
2. Infer about the implications of foreign trade policy and its documentations.  
3. Generalize the import trade procedures and documentation.  
4. Summarize the procedure and formalities of shipment and customs.  
5. Interpret the payment procedures and delivery formalities.

| 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

Text Books
1. International Trade and Documentation, Edward G Hinkelman, Publisher: World Trade Press
|---|---------------------------------------------------------------------|

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

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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>
</tr>
</tbody>
</table>
Course code: SBEC II - VIVA VOCE
Knowledge in creating various garments  
Syllabus 2021 Onwards

**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, appropriate craftsmanship and technique.
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. Select a theme for different garment categories.
2. Create different portfolio boards for selected theme.
3. Construct the garments for all designed categories.

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

#### Note
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
Construct the garments for all the above categories

### Contemporary Issues
Expert lectures, online seminars – webinars
<table>
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<tbody>
<tr>
<td>2</td>
<td>Fashion Design Drawing and Presentation, Patrick John Ireland, B T Batsford Ltd, 2006</td>
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<tr>
<td>3</td>
<td>Creative Fashion Presentation, Polly Guerin, Fairchild Publishers, 1987</td>
</tr>
<tr>
<td>3</td>
<td>New Encyclopedia of Fashion Details, Patrick John Ireland, Publisher: Pavilion Books, 2008</td>
</tr>
<tr>
<td>4</td>
<td>Check and Stripe: A Design-Source Book 2, Kyoto Shoin Company Ltd. 1992</td>
</tr>
</tbody>
</table>

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

| 1 | https://issuu.com/theodoracucu/docs/portfolio_internship_ba |
### 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 & 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.
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](https://youtu.be/sYoz3G2OH5g)
3. [https://youtu.be/_o9cpvQPqBY](https://youtu.be/_o9cpvQPqBY)