

# TEXTILE SCIENCE AND APPAREL DESIGN

**Syllabus – 4<sup>th</sup> Semester**  
**Academic year- 2020-2021**

## Structure

<b>SYBSC- Textile Science Apparel Design SEMESTER 4 (Structure and Weightage)</b>						
<b>Course and Code</b>	<b>Total Credits</b>	<b>Th C</b>	<b>Pr C</b>	<b>Int</b>	<b>Ext</b>	<b>Total</b>
<b>TSAD401 Textile Science</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>50</b>	<b>50</b>	<b>100</b>
<b>TSAD402 Fundamentals of Marketing and merchandising</b>	<b>4</b>	<b>4</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>100</b>
<b>TSAD403 Basic Pattern Making and grading</b>	<b>4</b>	<b>-</b>	<b>4</b>	<b>50</b>	<b>50</b>	<b>100</b>
<b>TSAD404 Traditional textiles of India</b>	<b>4</b>	<b>4</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>100</b>
<b>TSAD405 Indian Embroideries</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>50</b>	<b>50</b>	<b>100</b>
<b>TOTAL</b>	<b>20</b>	<b>13</b>	<b>7</b>	<b>250</b>	<b>250</b>	<b>500</b>

**SEVA MANDAL EDUCATION SOCIETY'S**

**DR. BHANUBEN MAHENDRA NANAVATI COLLEGE OF HOME SCIENCE  
(AUTONOMOUS)**

**NAAC Re-accredited 'A+' Grade with CGPA 3.69 / 4 (3<sup>rd</sup> Cycle)**

**UGC Status: College with Potential for Excellence**

**BEST COLLEGE AWARD 2016-17: Adjudged by S.N.D.T. Women's University  
338, R.A. Kidwai Road, Matunga, Mumbai – 400019**

**PROGRAMME: B.Sc. in Home Science**

**Department of Textile Science and Apparel Design**

**Semester IV**

**Course Title: Basic Pattern Making & Grading**

**Course Description:** This course is comprised of methods of clothing construction with special focus on flat pattern method. It offers pattern designing skills for various apparels as per fashion trends and to develop skills in sewing variety of patterns with accuracy, by basic pattern adaptations and grading of patterns to desired sizes.

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**Learning Outcomes:**

1. To acquaint three methods of clothing construction.
  2. To understand flat pattern methods to design Apparel with various patterns.
  3. To develop skills in designing various apparels as per fashion trend.
  4. To acquire skills in sewing variety of patterns with accuracy by basic Pattern adaptations.
  5. To develop an ability to grade various patterns to desired sizes.
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<b>Code</b>	<b>Course</b>	<b>TC</b>	<b>Th C</b>	<b>Pr C</b>	<b>Int M</b>	<b>Ext M</b>	<b>Total</b>
<b>TSAD403</b>	<b>Basic Pattern Making &amp; Grading</b>	4	-	4	100	-	100

Module No.	Objective	Content	Evaluation
1	<ol style="list-style-type: none"> <li>1. To recognize the importance of accurate body measurements in order to make standard garments.</li> <li>2. To become aware of various types of standard measurement charts.</li> <li>3. To understand three methods of clothing construction</li> </ol>	<ul style="list-style-type: none"> <li>● Tools and Equipments required for pattern making and grading.</li> <li>● Study of standard measurement charts and various types of figures (example ladies' figure, men's figure)</li> <li>● Introduction to three methods of clothing constructions namely drafting, flat pattern method, and draping method.</li> <li>● Introduction to Flat Pattern Method: <ul style="list-style-type: none"> <li>○ Slash and Spread method</li> <li>○ Pivot method.</li> </ul> </li> </ul>	Sheets/Journa 1 25 marks

Module No.	Objective	Content	Evaluation
2.	<p>To learn slash &amp; spread method to adopt various basic patterns.</p> <p>To understand the concept of Yoke and fullness with method of adaptation</p> <p>To understand flat pattern method to design apparels with various pattern.</p>	<p>The following adaptations with slash and spread method on half scales 'Basic Bodice Blocks':</p> <p>DARTS and Its Manipulation</p> <p>YOKES AND FULLNESS</p> <p>SLEEVES</p> <p>COLLARS</p> <p>Any six Patterns of each unit to be made on half size bodice basic block on paper only.</p> <p>SKIRTS</p> <p>Any four Patterns to be made on half size bodice basic block on paper only</p>	Journal 25 marks

<b>Module No.</b>	<b>Objective</b>	<b>Content</b>	<b>Evaluation</b>
3.	1. To develop skills in designing various apparels as per fashion trend. 2. To develop skills in sewing a variety of patterns with accuracy, good taste by basic pattern adaptations.	Any two patterns on full scale combining the features from Module 2. (Kurta& Top) Any two patterns on full scale combining the features from Module 2. As per fashion trends 1. Kurta or Top 2. skirt	Garments (15+10)  25 marks

<b>Module No.</b>	<b>Objective</b>	<b>Content</b>	<b>Evaluation</b>
4.	1. To understand the various types of Grading. 2. To develop an ability to grade various patterns to desired sizes.	<ul style="list-style-type: none"> <li>● Definition of grading</li> <li>● Making of Split diagrams using various standard measurement charts.</li> <li>● Converting split diagrams into grade plans</li> <li>● Various types of grading               <ul style="list-style-type: none"> <li>- Nested Grading</li> <li>- Track Grading</li> <li>- Stock Grading</li> </ul> </li> <li>● Grading with any one method a - skirt (A line only)                b - Basic Front and Back bodice                d - Basic set in Sleeves                e - Collar (Any one basic)</li> </ul>	Journal 25 marks

<b>EVALUATION:</b>	<b>Details</b>	<b>Marks</b>
Internal	1] Continuous Internal Assessment of 100 Marks.	<b>100</b>
External	-	
	<b>Total marks</b>	<b>100</b>



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Module No.	Objectives	Content	Evaluation
1.	<p>1. To acquire knowledge of different textiles produced in different states of India.</p> <p>2. To acquaint the students with the different motifs, colors and various techniques used in the textiles along with their significance.</p> <p>3. To create awareness about the different printed textiles.</p> <p>4. To initiate differentiation between direct and resist style of printing.</p> <p>5. To understand the techniques of Ikat Textiles.</p> <p>6. To create awareness about various floor coverings and shawls.</p>	<p><b>1. Introduction in brief about the Traditional Textiles of India</b></p> <p><b>2. Textiles of the following States listed below:</b> Fiber used colors, motifs and various techniques (dyed, printed, painted embroidered and woven) used for the producing traditional textiles.</p> <ul style="list-style-type: none"> <li>● Maharashtra,</li> <li>● Gujarat, Saurashtra, Kutch,</li> <li>● Rajasthan</li> <li>● Uttar Pradesh</li> <li>● Jammu &amp; Kashmir</li> </ul>	<p>25 marks</p> <p>Traditional textiles - state wise</p> <p>(Group project)</p>

<b>Module No.</b>	<b>Objectives</b>	<b>Content</b>	<b>Evaluation</b>
2.	<p>1. To acquire knowledge of different textiles produced in Andhra Pradesh, Karnataka, Kerala, &amp; Tamil Nadu,</p> <p>2. To acquaint the students with the different motifs, colors and various techniques used in the textiles along with their significance</p> <p>3. To understand the techniques of Ikat Textiles.</p>	<p>Textiles of the following States listed below: Fiber used colors, motifs and various techniques (dyed, printed, painted, embroidered and woven ) used for the producing traditional textiles.</p> <ul style="list-style-type: none"> <li>● Andhra Pradesh,</li> <li>● Karnataka,</li> <li>● Kerala, Tamil Nadu,</li> </ul>	<p>25 marks</p> <p>Traditional textiles - state wise (Group project)</p>

<b>Module No.</b>	<b>Objectives</b>	<b>Content</b>	<b>Evaluation</b>
3.	<ol style="list-style-type: none"> <li>1. To acquire knowledge of different textiles produced in given states.</li> <li>2. To acquaint the students with the different motifs, colors and various techniques used in the textiles along with their significance</li> <li>3. To understand the techniques of Ikat Textiles.</li> </ol>	<p>Textiles of the following States listed below: Fiber used colors, motifs and various techniques used for the producing traditional textiles.</p> <ul style="list-style-type: none"> <li>● Madhya Pradesh,</li> <li>● Chhattisgarh</li> <li>● Assam,</li> <li>● West Bengal,</li> <li>● Manipur.</li> <li>● Odisha,</li> </ul>	<p>25 marks</p> <p>Traditional textiles - state wise</p> <p>(Group project)</p>

<b>Module No.</b>	<b>Objectives</b>	<b>Content</b>	<b>Evaluation</b>
4.	<ul style="list-style-type: none"> <li>● To acquaint the students with handloom board &amp; khadi board in India.</li> </ul>	<p><b>Handloom Industry of India</b></p> <ol style="list-style-type: none"> <li>1 History of Handloom Board</li> <li>2 Functions of Handloom Board</li> <li>3 Weaver's service centers</li> </ol> <p><b>Khadi Board</b></p> <ol style="list-style-type: none"> <li>1 Structure of Khadi Board</li> <li>2 Functions of Khadi Board</li> </ol>	<p>Assignment 25 marks</p> <p>Visit any sector and report presentation on it.</p>

## EVALUATION:

Evaluation	Details	Marks
Internal	Group Assignments= 75 marks Individual Assignment=25 marks Unit Test 25 Marks	50  Total of Internals to be converted out of 50 Marks
External	Final exam	50
	<b>Total marks</b>	<b>100</b>

## REFERENCES:

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Code	Course	TC	Th C	Pr C	Int M	Ext M	Total
TSAD405	Indian Embroideries	4	3	1	50	50	100

Module No.	Objectives	Content	Evaluation
1.	<p>1. To acquire knowledge of different Embroideries produced in different Northern states of India.</p> <p>2. To acquaint the students with the different motifs, colors, threads, stitches and techniques used for the embroideries</p>	<p>1. Introduction in brief about the Traditional Embroideries of India</p> <p><b>Northern India</b></p> <p>(i) Kashida from Kashmir</p> <p>(ii) Phulkari from Punjab</p> <p>(iii) Chamba rumal from Himachal Pradesh</p>	<p>Group Assignments on Application of theory knowledge, Collection of traditional embroidery samples &amp; pictures</p> <p>submission of file</p> <p>25 marks</p>
Module No.	Objectives	Content	Evaluation
2.	<p>1. To acquire knowledge of different Embroideries produced in U.P. West Bengal, Bihar and Odhisa</p> <p>2. To acquaint the students with the different motifs, colors, threads, stitches and techniques used for the embroidery Chikankari, Zardozi, Kantha, Sujani and Applique</p>	<p><b>Central India:</b></p> <p>(i) Chikankari from Uttar Pradesh</p> <p>(iii) Zardozi from Uttar Pradesh</p> <p><b>Eastern India:</b></p> <p>(i) Kantha from West Bengal</p> <p>(ii) Sujani and Applique from Bihar</p> <p>(iii) Appliqué Work from Odisha</p> <p>(iv) Manipuri Embroidery</p>	<p>Group Assignments</p> <p>Application of theory knowledge, Collection of traditional embroidery samples and pictures. submission of file</p> <p>25 marks</p>

Module No.	Objectives	Content	Evaluation
3.	<p>1. To acquire knowledge of different Embroideries produced in Western &amp; Southern India</p> <p>2. To acquaint the students with the different motifs, colors, threads, stitches and techniques used for the embroidery</p>	<p><b>Western India:</b></p> <p>Embroidery from Gujarat Kutch and Kathiawar Embroidery</p> <p><b>Southern India:</b></p> <p>(i) Kasuti from Karnataka</p> <p>(ii) Lambadi Embroidery from Andhra Pradesh</p> <p>(iii) Toda Embroidery of T.N.</p>	<p>Group Assignments</p> <p>Application of theory knowledge-Collection of embroidered textiles or their photograph</p> <p>Submission of file</p> <p>25 marks</p>

### PRACTICAL

Module No.	Objectives	Content	Evaluation
4	<p>1. To learn different types of stitches used in traditional Indian Embroideries</p> <p>2. To acquaint students with different types of stitches, motifs, colors and materials used in Traditional embroideries.</p> <p>3. To apply the knowledge of theory and practical (stitches) and develop product</p>	<p>All the stitches of following embroideries on half meter of cloth</p> <p>1. Kashida from Kashmir</p> <p>1. Phulkari from Punjab</p> <p>2. Chamba rumal from Himachal Pradesh</p> <p>3. Chikankari from Uttar Pradesh</p> <p>4. Zardozi</p> <p>5. Kantha from West Bengal</p> <p>6. Sujani and Applique from Bihar</p> <p>7. Appliqué Work of Odisha</p> <p>8. Embroidery from Gujarat Kutch and</p>	<p>Assignments</p> <p>Application of theory knowledge</p> <p>Making of a sample with all the stitches of listed traditional embroidery stitches to be kept in file.(10 marks)</p> <p>Application on: article/garment of any one</p>

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	using traditional Indian embroideries	9. Kasuti from Karnataka. 10. Manipuri Embroidery  Making of 4 samples of traditional Indian embroideries (any 4 from the above list and any 1 type of embroidery application / product development	embroidery - (marks=20)  Making of 4 samples-(20 marks )  50/2=25 marks
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### **EVALUATION:**

<b>Evaluation</b>	<b>Details</b>	<b>Marks</b>
Internal	Assignments of all modules 100 Marks+25 Marks Unit Test=125  Total of Internals to be converted out of 50 Marks	50
External	Final exam	50
	Total marks	100

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