

# Faculty of Design

## Bachelor of Design (Fashion Design)

(Semester-II)

With Effect from-2026-27

|                              |                          |
|------------------------------|--------------------------|
| <b>Branch Name:</b>          | <b>Faculty of Design</b> |
| <b>Program Code:</b>         | <b>FD102</b>             |
| <b>Course Name:</b>          | Sewing Fundamentals      |
| <b>Course Code:</b>          | 2FD1020203               |
| <b>Pre-requisite Course:</b> |                          |

### Course Objectives:

- Identify and use sewing tools, equipment, and materials correctly.
- Demonstrate essential hand-sewing and machine-sewing techniques.
- Construct basic seams, finishes, and garment components.
- Operate industrial and domestic sewing machines safely and efficiently.
- Apply sewing skills in the construction of simple fashion products and garments.

### Teaching and Examination Scheme:

| Teaching Scheme (Hours per week) |                 |                  |        | Evaluation Scheme(Marks) |      |                          |      |                          |      |                          |      | Total<br>(Marks) |
|----------------------------------|-----------------|------------------|--------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|------------------|
| Lecture<br>(L)                   | Tutorial<br>(T) | Practical<br>(P) | Credit | Theory(Marks)            |      |                          |      | Practical(Marks)         |      |                          |      |                  |
|                                  |                 |                  |        | University<br>Assessment |      | Continuous<br>Assessment |      | University<br>Assessment |      | Continuous<br>Assessment |      |                  |
|                                  |                 |                  |        | Min.                     | Max. | Min.                     | Max. | Min.                     | Max. | Min.                     | Max. |                  |
| -                                | -               | 4                | 2      | -                        | -    | -                        | -    | 09                       | 25   | 09                       | 25   | 50               |

### Subject Contents:

| Sr No. | Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total<br>Hours | Weightage<br>(%) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| 1      | <b>Introduction to Sewing Tools, Equipment, and Hand Sewing</b> <ul style="list-style-type: none"> <li>• Introduction to Sewing and Garment Construction</li> <li>• Sewing Room Safety and Good Work Practices</li> <li>• Identification and Use of Sewing Tools and Equipment</li> <li>• Needles, Threads, Fabrics, and Notions</li> <li>• Measuring, Marking, and Cutting Techniques</li> <li>• Basic Hand Sewing Techniques: <ul style="list-style-type: none"> <li>○ Running Stitch</li> <li>○ Back Stitch</li> <li>○ Basting Stitch</li> <li>○ Slip Stitch</li> <li>○ Blind Hem Stitch</li> <li>○ Overcast Stitch</li> <li>○ Button Sewing and Hook-and-Eye Attachment</li> </ul> </li> </ul> | 6              | 25%              |
| 2      | <b>Sewing Operation and Machine Basic Machine Stitching</b> <ul style="list-style-type: none"> <li>• Parts and Functions of Sewing Machines</li> <li>• Domestic and Industrial Sewing Machines</li> <li>• Machine Setup and Threading</li> <li>• Needle Selection and Machine Maintenance</li> <li>• Straight Stitching and Curved Stitching</li> <li>• Seam Allowances and Stitch Control</li> <li>• Troubleshooting Common Sewing Problems</li> <li>• Machine Safety Procedures</li> </ul>                                                                                                                                                                                                       | 6              | 25%              |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |            |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| <b>3</b> | <b>Seams, Seam Finishes, and Garment Components</b> <ul style="list-style-type: none"> <li>• Types of Seams: <ul style="list-style-type: none"> <li>○ Plain Seam</li> <li>○ French Seam</li> <li>○ Flat-Felled Seam</li> <li>○ Lapped Seam</li> <li>○ Mock French Seam</li> </ul> </li> <li>• Seam Finishes: <ul style="list-style-type: none"> <li>○ Pinked Finish</li> <li>○ Overlocked Finish</li> <li>○ Bound Finish</li> <li>○ Turn-and-Stitch Finish</li> </ul> </li> <li>• Hems and Edge Finishes</li> <li>• Darts, Pleats, Tucks, and Gathers</li> <li>• Facings and Interfacings</li> <li>• Introduction to Closures: <ul style="list-style-type: none"> <li>○ Buttons and Buttonholes</li> <li>○ Zippers</li> <li>○ Hooks and Eyes</li> <li>○ Snaps and Velcro</li> </ul> </li> </ul> | <b>6</b> | <b>25%</b> |
| <b>4</b> | <b>Basic Garment Construction and Finishing</b> <ul style="list-style-type: none"> <li>• Reading Basic Patterns and Sewing Instructions</li> <li>• Fabric Layout and Pattern Placement</li> <li>• Assembly Sequence in Garment Construction</li> <li>• Construction of Simple Garments: <ul style="list-style-type: none"> <li>○ Skirt</li> <li>○ Saree Petticoat</li> <li>○ Children's Wear Item(Diaper/Baby panty)</li> <li>○ Apron</li> </ul> </li> <li>• Pressing Techniques and Quality Control</li> <li>• Garment Finishing Standards</li> <li>• Introduction to Sustainable Sewing Practices and Waste Reduction</li> </ul>                                                                                                                                                              | <b>6</b> | <b>25%</b> |

**Reference Books:**

| Sr. No. | Books                                                                                    |
|---------|------------------------------------------------------------------------------------------|
| 1       | <b>Garment Construction Skills</b> – Bandana Narula, Sterling Publishers, 2008.          |
| 2       | <b>Fashion Technology</b> – S. P. Arora & S. Arora, S.K. Kataria & Sons, 2018.           |
| 3       | <b>Clothing and Textiles</b> – Kavita Bhardwaj & Monika Goyal, Kalyani Publishers, 2014. |

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**Course Learning Outcomes (CLO):** On completion of this course, the students will be able to:

| <b>CLO</b> | <b>Description</b>                                                                                                   | <b>Bloom's Taxonomy Level</b> |
|------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------|
| CLO1       | Identify and demonstrate the use of basic sewing tools, equipment, and sewing machines used in garment construction. | 1 Remembering                 |
| CLO2       | Apply hand stitches and machine stitches for basic fabric joining, finishing, and decorative purposes.               | 2 Understanding               |
| CLO3       | Construct simple fabric components using seams, hems, and seam finishes with accuracy and neatness.                  | 3 Applying                    |
| CLO4       | Perform basic garment assembly techniques including cutting, stitching, and finishing operations.                    | 4,5 Evaluate, Analyse         |
| CLO5       | Apply fundamental sewing skills to carry out minor alterations and repairs in garments.                              | 6, Creative                   |
| CLO6       | Develop basic sewn samples and small garment components demonstrating technical accuracy and workmanship.            | 3, Applying                   |

**Mapping of CLOs with Pos & PSOs**

| <b>Course</b>            | <b>Program Outcomes(POs)</b> |            |            |            |            |            |            |            |            |             | <b>Program Specific Outcomes (PSOs)</b> |             |
|--------------------------|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------------------------------------|-------------|
| <b>Learning Outcomes</b> | <b>PO1</b>                   | <b>PO2</b> | <b>PO3</b> | <b>PO4</b> | <b>PO5</b> | <b>PO6</b> | <b>PO7</b> | <b>PO8</b> | <b>PO9</b> | <b>PO10</b> | <b>PSO1</b>                             | <b>PSO2</b> |
| <b>CLO1</b>              |                              | M          |            |            | L          |            |            |            |            |             | M                                       |             |
| <b>CLO2</b>              | M                            |            |            | H          |            | H          |            |            |            |             |                                         | M           |
| <b>CLO3</b>              | M                            |            | M          |            |            |            | L          |            |            |             | H                                       |             |
| <b>CLO4</b>              |                              | H          |            |            |            | H          |            | M          |            |             |                                         | M           |
| <b>CLO5</b>              |                              |            | H          |            | M          |            |            | H          |            | M           | M                                       |             |
| <b>CLO6</b>              | M                            |            |            | H          |            | H          | M          |            |            |             |                                         | M           |

**H:High, M:Medium, L:Low**