

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Home Science

Semester: I

Subject Name: **Elementary Clothing & Textiles**

Subject Code: **310024**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Internal Assessment (I)
4	0	4	8	70	30	50

Rationale:

The students will be given basic knowledge of various stitches & seams and their uses through this course stop. This course is designed to enable students to prepare garment.

Topic No.	Name of Topic	Lecture Hour	Practical Hour	Total Hour	% weightage
1.	Fiber	28	28	56	50
2.	Clothing	16	16	32	30
3.	Sewing Machine	12	12	24	20
	Total	56	56	102	100

Objectives:

1. To gain an understanding about textile fibres, properties and their uses.
2. To gain practical knowledge in basic clothing construction.

Sr. No.	Course Content:
1.	FIBER: 1.1 Textile fiber 1.1.1 Classification of textile fibers. 1.1.2 Properties and uses of following fibers 1.1.2.1 Cellulose fibers. 1.1.2.2 Protein fibers. 1.1.2.3 Regenerated 1.1.2.4 Synthetic fibers

	<p>1.2 Fabric</p> <p>1.2.1 Yarns and its preparation</p> <p>1.2.2 Count of yarn.</p> <p>1.2.3 General awareness of basic waves</p> <p>1.2.3.1 Plain wave</p> <p>1.2.3.2 Twill wave</p> <p>1.2.3.3 Satin wave</p> <p>1.2.3.4 Satin wave</p> <p>1.2.4 General diagram and path of handloom</p> <p>1.2.5 General process carried out during fabric preparation.</p> <p>1.2.5.1 Bleaching of cloth</p> <p>1.2.5.2 Dyeing (cotton)</p> <p>1.2.5.3 Printing</p> <p>1.2.5.4 Finishing (starch)</p> <p>1.2.6 General awareness of following types of fabrics</p> <p>1.2.6.1 Poplin.</p> <p>1.2.6.2 Cambric.</p> <p>1.2.6.3 Rubia</p> <p>1.2.6.4 Chiffon.</p> <p>1.2.6.5 Corduroy</p> <p>1.2.6.6 Satin.</p> <p>1.2.6.7 Teercot.</p> <p>1.2.6.8 Cotswool.</p> <p>1.2.6.9 Casement.</p> <p>1.2.6.10 Georgette.</p> <p>1.2.6.11 Voile.</p>
2.	<p>CLOTHING:</p> <p>2.1 Clothing and its importance.</p> <p>2.2 Tools and equipment for clothing construction</p> <p>2.2.1 Measuring tools.</p> <p>2.2.2 Sewing tools,</p> <p>2.2.3 Marking tools.</p> <p>2.2.4 Sewing equipment.</p> <p>2.2.5 Needles and threads.</p> <p>2.2.6 Pressing equipment</p>
3.	<p>SEWING MACHINE:</p> <p>3.1 Types of Sewing Machine.</p> <p>3.2 Component part and their functions</p> <p>3.3 Care and maintenance of sewing machine.</p> <p>3.4 Causes of failure and remedies.</p>

Laboratory Experiences:

Prepare one sample from each of the following:

1. Stitches:

- 1.1 Even basting
- 1.2 Uneven basting,
- 1.3 Hemming
- 1.4 Lock stitch
- 1.5 Back stitch
- 1.6 Slip stitch

2. Seams:

- 2.1 Plain
- 2.2 French
- 2.3 Flat felled
- 2.4 Welt
- 2.5 Slot
- 2.6 Faggot
- 2.7 Bias

3. Neckline finishing in following shapes:

- 3.1 Bias
- 3.2 Facing
- 3.3 Piping

4. Pockets:

- a. Simple pocket
- b. Patch pocket
- c. Flap pocket
- d. Cut pocket
- e. Side pocket

5. Fullness:

- 1. Darts
- 2. Tucks
- 3. Pleats
- 4. Gathering
- 5. Smoking
- 6. Ruffles.

6. Hook, Eye, Buttons

7. Plackets

8. Collars

Term Work:

Preparation of journal with sample prepared as per instructions given in the laboratory

References Books:

- | | | |
|---|--------------------------|---|
| 1. Basic process & clothing construction, | Doonaji's & Deshpande R. | New Delhi,
New Raj book
Depot, 1943. |
| 2. Textile and their care | Dantagi Susheela | Orient Pugman
Ltd. New Delhi. |
| 3. Fibre and their uses | Hess K.P. Textile | Orient Pugman
Ltd. New Delhi Oxford
& IBHP Publishing Co.
1966 |