

# **Holy Cross College (Autonomous), Nagercoil**

**Kanyakumari District, Tamil Nadu.**

**Accredited with A<sup>++</sup> by NAAC - V cycle – CGPA 3.53**

**Affiliated to**

**Manonmaniam Sundaranar University, Tirunelveli**



## **DEPARTMENT OF COSTUME DESIGN AND FASHION**



**Teaching Plan**

**ODD SEMESTER**

**2025-2026**

## **Vision**

The vision of our department is to enlighten and educate the youth with the current fashion and transform them to become trend setters in fashion designing in order to respond creatively to global markets towards sustainable development.

## **Mission**

1. To impart quality education and promote activities with global competencies.
2. To encourage participatory involvement and develop their potentials in designs and structure.
3. To prepare professional and entrepreneurs for fashion industry.
4. To adopt new technologies and develop garments to protect health.
5. To interconnect fashion with eco-friendly product and promote global market.

## **Graduate Attributes**

Graduates of our College develop the following attributes during the course of their studies.

### ➤ **Creative thinking:**

Equipping students with hands-on-training through skill-based courses and promote startup.

### ➤ **Personality development:**

Coping with increasing pace and change of modern life through value education, awareness on human rights, gender issues and giving counselling for the needful.

### ➤ **Environmental consciousness and social understanding:**

Reflecting upon green initiatives and understanding the responsibility to contribute to the society; promoting social and cultural diversity through student training and service-learning programmes.

### ➤ **Communicative competence:**

Offering effective communication skills in both professional and social contexts through bridge courses and activities of clubs and committees.

### ➤ **Aesthetic skills:**

Engaging mind, body and emotions for transformation through fine arts, meditation and exercise; enriching skills through certificate courses offered by Holy Cross Academy.

### ➤ **Research and knowledge enrichment:**

Getting in-depth knowledge in the specific area of study through relevant core papers; ability to create new understanding through the process of critical analysis and problem solving.

### ➤ **Professional ethics:**

Valuing honesty, fairness, respect, compassion and professional ethics among students. The students of social work adhere to the *National Association of Social Workers Code of Ethics*

### ➤ **Student engagement in the learning process:**

Obtaining extensive and varied opportunities to utilize and build upon the theoretical and empirical knowledge gained through workshops, seminars, conferences, industrial visits and summer internship programmes.

### ➤ **Employability:**

Enhancing students in their professional life through Entrepreneur development, Placement & Career guidance Cell.

### ➤ **Women empowerment and leadership:**

Developing the capacity of self-management, team work, leadership and decision making through gender sensitization programmes.

**Programme Educational Objectives (PEOs)**

<b>PEOs</b>	<b>Upon completion of B.A/B.Sc. Degree Programme, the graduates will be able to</b>	<b>Mapping with Mission</b>
<b>PEO1</b>	apply appropriate theory and scientific knowledge to participate in activities that support humanity and economic development nationally and globally, developing as leaders in their fields of expertise.	<b>M1 &amp; M2</b>
<b>PEO2</b>	use practical knowledge for developing professional empowerment and entrepreneurship and societal services.	<b>M2, M3, M4 &amp; M5</b>
<b>PEO3</b>	pursue lifelong learning and continuous improvement of the knowledge and skills with the highest professional and ethical standards.	<b>M3, M4, M5 &amp; M6</b>

**Programme Outcomes (POs)**

<b>Pos</b>	<b>Upon completion of B.Sc. Degree Programme, the graduates will be able to:</b>	<b>Mapping with PEOs</b>
<b>PO1</b>	obtain comprehensive knowledge and skills to pursue higher studies in the relevant field of science.	<b>PEO1</b>
<b>PO2</b>	create innovative ideas to enhance entrepreneurial skills for economic independence.	<b>PEO2</b>
<b>PO3</b>	reflect upon green initiatives and take responsible steps to build a sustainable environment.	<b>PEO2</b>
<b>PO4</b>	enhance leadership qualities, team spirit and communication skills to face challenging competitive examinations for a better developmental career.	<b>PEO1 &amp; PEO3</b>
<b>PO5</b>	communicate effectively and collaborate successfully with peers to become competent professionals.	<b>PEO2 &amp; PEO3</b>
<b>PO6</b>	absorb ethical, moral and social values in personal and social life leading to highly cultured and civilized personality	<b>PEO2 &amp; PEO3</b>
<b>PO7</b>	participate in learning activities throughout life, through self-paced and self-directed learning to improve knowledge and skills.	<b>PEO1 &amp; PEO3</b>

**Programme Specific Outcomes (PSOs)**

<b>PSOs</b>	<b>Upon completion of B.SC Costume Design and Fashion the graduates will be able to:</b>	<b>Mapping with POs</b>
<b>PSO1</b>	create innovative products in the fashion and textile industry by analyzing the textile materials, styles, designs and client specifications to integrate new developments in fashion and textile industry through quality standards	<b>PO1 &amp; PO3</b>
<b>PSO2</b>	apply the specialized skills to manage with the available indigenous materials for sustainability in textiles.	<b>PO1 &amp; PO2</b>
<b>PSO3</b>	develop portfolio presentations from fibre to fashionable garments and exhibit the same through fashion shows to excel as fashion designers and globally competitive entrepreneurs	<b>PO2 &amp; PO7</b>
<b>PSO4</b>	recognize and analyze every single person's personality that suits their clothing.	<b>PO4, PO5 &amp; PO6</b>

**Department** : Costume Design & Fashion  
**Class** : I B.Sc Costume Design & Fashion  
**Title of the Course** : Core I: Fiber to Fabric  
**Semester** : I  
**Course Code** : DU231CC1

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU231CC1	4	-	-	1	5	5	75	25	75	100

**Learning Objectives:**

1. Impart knowledge on the manufacturing process of fabric from the fiber.
2. Teach the methods and techniques involved in the fibre, yarn and fabric manufacturing process

**Course Outcomes**

COs	Upon completion of this course, students will be able to:	
1	classify fibers and understand the manufacturing and properties of natural fibers	K1 & K2
2	describe the weaving methods and its characteristic features	K1
3	understand the yarn types and its manufacturing process	K2
4	gain an understanding of knitting and non-wovens	K2
5	discover the manufacturing process of man - made fiber	K2 & K3

**K1** - Remember; **K2** - Understand; **K3**- Apply

**Teaching plan**  
**Total Contact hours: 75 (Including lectures, assignments and tests)**

Unit	Module	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
<b>I</b>	<b>FIBER CLASSIFICATION, NATURAL FIBRES</b>								
	1	Introduction to Textiles Fibers - classification of fibres – primary and secondary characteristics of textile fibres	4	1	K1(R)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	Video Lectures,	Written Assignment- Oral Presentation, Conceptual Questions, CIA I
	2	Manufacturing process, properties and uses of natural fibres – cotton, linen, Jute, silk, wool.	4	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	MCQ test, Visualization Task, Conceptual Quiz, CIA I
	3	Brief study about Organic Cotton, woollen and worsted yarn, types of silk	4	1	K2(U)	Lecture with visualization, Concept-based discussion ,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Oral Quiz , slip test, Assignment, CIA I.

II REGENERATED AND SYNTHETIC FIBRES									
	1	Manufacturing process, properties and uses of man-made fibres –Viscose rayon, nylon, polyester, acrylic	4	1	K1(R)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	Video Lectures,	Open Book Test, Assignment Oral Viva, CIA I
	2	Brief study on polymerization, bamboo, spandex, Micro fibres & its properties.	4	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Written Assignment- Oral Presentation, CIA I
	3	Texturization - Objectives, Types of textured yarns & Methods of Texturization	4	1	K2(U)	Lecture with visualization, Concept-based discussion,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Peer Review, Student presentation, Quiz questioning CIA I
III YARN MANUFACTURING									
	1	Spinning –Definition and classification; Chemical and mechanical spinning	4	1	K2(U)	Lecture with Visual Aids such as	Based Learning, Peer Teaching, Gamified	Video Lectures,	MCQ, Discussion, Fill-in-the-blank, CIA II

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	1	Classification of fabric forming methods – Weaving preparatory processes and its objectives – Warping, Sizing & Drawing – in.	2	1	K2(U)	Lecture with Visual Aids <b>such as PPT, Simulation-Based Learning,</b>	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	Video Lectures,	Peer Review, MCQ, Orai Quiz, Open Book Test, CIA II
	2	Weaving mechanism- Primary, secondary & auxiliary motions of a loom.	4	1	K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA II
	3	Parts and functions of a simple loom; Classification of looms Salient features of automatic looms; Shuttle looms, its advantages	4	1	K2(U)	Lecture with visualization, Concept-based discussion,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Presentation, homework, creative writing, group discussion, CIA II
	4	Types of shuttles less looms – Rapier – Projectile – Air jet – Water jet	2		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation	Based Learning, Peer Teaching, Gamified Quiz,	Video Lecture, Simulation Tool, Interactive Notes,	Quiz, class test, Brainstorming, Peer review, , CIA II

						ion- Based Learnin g,	Concept Mapping		
<b>V</b>	<b>KNITTING AND NON-WOVEN FABRICS</b>								
	1	Knitting- Definition, classification. Principles of weft and warp knitting – Terms of weft knitting.	2	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	Video Lectures,	Peer Review, MCQ, Orai Quiz, Open Book Test, CIA II
	2	Knitting machine elements. Classification of knitting machines.	4	1	K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA II
	3	Characteristics of basic weft knit structures.	4	1	K2(U)	Lecture with visualization, Concept-based discussion ,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Presentation, homework, creative writing, group discussion,CIA II
	4	Introduction to Non-Woven - Application	2		K3 (Ap)	Lecture with	Based Learning,	Video Lecture,	Quiz, class test, Brainstroming, Peer review, CIA II

		and uses.				Visual Aids such as PPT, Simulation-Based Learning,	Peer Teaching, Gamified Quiz, Concept Mapping	Simulation Tool, Interactive Notes,	
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### Course Focussing on Employability/ Entrepreneurship/ Skill Development:

1. Industrial visits to different textile manufacturing units
2. Fibre Identification

#### Activities (Em/ En/SD):

1. Collecting different types of Natural Fibres
2. Collecting Different types of manmade fibres

#### Assignment

1. Different types of Natural Fibres, properties and its uses
  2. Different types of manmade fibres, properties and its uses
- (Last date to submit – 01-09-2025)

#### Part A (1 mark)

1. Which one of the following is a synthetic fibre? (K1-R, CO-1)  
a, Rayon b.) Nylon c.) Polyester d.) All of the above
2. The process of separating cotton fibres from the seeds is called \_\_\_\_ (K1-R, CO-1)  
a, Retting b.) Ginning c.) Weaving d.) Spinning
3. In ring spinning the traveler rpm (K2-U, CO-2)  
a., equal to spindle rpm b) higher than spindle rpm c) lower than spindle rpm d) Constant
4. Fabrics can be obtained by which of the following processes? (K1-R, CO-1)  
a. Ginning b.) Weaving c.) Knitting d.) Reeling
5. What is the process of making yarn from fibres called? (K1-R, CO-1)  
a. Weaving b.) Knitting c.) Spinning d.) Ginning
6. The climate that is suitable for growing cotton plants is \_\_\_\_\_. (K2-U, CO-2)  
a. Warm climate b.) Humid climate c.) Cold climate d.) Rainy climate
7. The method of extracting threads from a cocoon for the use of silk is called \_\_\_\_\_. (K1-R, CO-1)  
a. Weaving b.) Ginning c.) Reeling d.) Spinning
8. If a piece of fabric burns by giving the smell of charred meat, it is most likely to be made up of (K2-U, CO-2)  
a. cotton b) jute c) silk d) wool-
9. The yarn is wound on big reels are called (K1-R, CO-1)

- a. Silver b) bobbins c) bailing d) retting
10. The waste removed in blow room while processing manmade fibres should be around (K1-R, CO-1)
- a. 0.1% (b)1% (c) 2% (d) 3%

**Part – B (6 mark)**

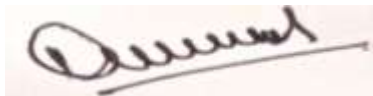
1. Give an account on the manufacturing processing of Silk. (K3-Ap, CO-3)
2. Write in detail about the manufacturing process of Organic Cotton (K3-Ap, CO-3)
3. Write a short note on Spandex Fibre. (K1-R, CO-1)
4. Describe the chemical properties of Viscose Rayon. (K1-R, CO-1)
5. Write a short note on ginning. (K2-U, CO-2)
6. Explain the sequence of blow room process. (K1-R, CO-1)
7. Explain the basic operations of weaving? (K1-R, CO-1)
8. Write in detail about Shuttle less loom. (K1-R, CO-1)
9. Write In detail about principles of warp and weft knitting (K2-U, CO-2)
10. Write in detail about application of Nonwoven and its uses (K1-R, CO-1)

**Part C (12 marks)**

1. Give an account on desirable properties of Textile fibres (K1-R, CO-1)
2. Write in detail about the manufacturing process of wool. (K3-Ap, CO-3)
3. Explain in detail about the manufacturing process of polyester. (K3-Ap, CO-3)
4. Explain in detail about Texturization Process and its types (K1-R, CO-1)
5. Explain in detail about the working procedure of draw frame (K3-Ap, CO-3)
6. Explain the working principle of Simplex (K3-Ap, CO-3)
7. Write in detail about classification of looms (K1-R, CO-1)
8. Write briefly about the salient features of waterjet and Air jet looms (K1-R, CO-1)
9. Explain in detail about the elements of weaving machine. (K1-R, CO-1)
1. Write in detail about the characteristics of basic weft knit structure. (K1-R, CO-1)

**Head of the Department & Course Instructor**

**Ms. T. Menaka**



HEAD OF THE DEPARTMENT  
DEPARTMENT OF COSTUME DESIGN &  
FASHION (S.F.)  
JIGLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL - 623 004

**SEMESTER I**  
**ELECTIVE LAB COURSE I: FUNDAMENTALS OF FASHION ILLUSTRATION**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU241EP1	-	-	2	-	2	2	30	25	75	100

**Pre-requisite:**

Knowledge in Fashion Sketching

**Learning Objectives:**

1. To know about the basic concepts of Illustration techniques and formation of parts of the human body in different proportions and variations.
2. To practice about the formation of Human Croquis and accessories

**Course Outcomes**

On the successful completion of the course, students will be able to:		
1	understand the basic skill of fashion illustration.	<b>K1 &amp; K2</b>
2	apply the elements and principles of design in various apparels.	<b>K3</b>
3	analyze the use of elements and principles in designing of garments.	<b>K4</b>
4	evaluate the combination of elements of design.	<b>K5</b>
5	create garments design based on the elements and principles of design	<b>K6</b>
<b>K1</b> - Remember; <b>K2</b> - Understand; <b>K3</b> – Apply; <b>K4</b> - Analyse; <b>K5</b> - Evaluate; <b>K6</b> – Create		

**Teaching Plan (Total hours: 30)**

<b>Unit</b>	<b>Topics</b>	<b>Teaching Hours</b>	<b>Assessment Hours</b>	<b>Cognitive Level</b>	<b>Pedagogy</b>	<b>Student Centric Method</b>	<b>E- Resources</b>	<b>Assessment/ Evaluation Methods</b>
<b>I</b>	Introduction to basic drawing, Illustration of 4,6,8 head theory (Male & Female)	3	1	K1 & K2, K3	Lecture with Interactive PPT & Conceptual demonstration	Think, discuss and share peer learning, Quiz	Video (You tube), Google notes, Interactive PPT,	Written Assignment Written Presentation
	Illustration of 10 & 12 head theory, Illustration of stick, block and flesh figure	2		K2, K4 & K3, K6	Discussion & Experimental Learning	Inquiry based learning	Quiz (LMS), Demonstration & Discussion	Display the designed samples
<b>II</b>	Basic steps in color chart, Explanation on prang color chart	2	1	K1 & K2, K3	Visual Lecture, Experimental Learning, Sample Demonstration	Guided Instruction, Inquiry worksheet	Video lecture, submission of draft, interactive notes, cost calculation	Submission of constructed samples & Individual presentation
	Steps involved in value and intensity chart	3		K2, K3 & K4 & K6	Lecture with Interactive PPT & Conceptual demonstration	Inquiry based learning	Video (You tube), Google notes, Interactive PPT,	Display of the designed samples.
<b>III</b>	Illustrate the garments with the application of Monochromatic colour & Analogous colour harmony	3	1	K3 & K4	Lecture with visualization, concept based discussion	Guided Instruction, Inquiry worksheet	Quiz (LMS), Demonstration & Discussion	Quiz, Individual Discussion
	Illustrate the garments with the application of Complimentary & Double , Spilt, Triad color harmony	2		K3, K4 & K6	Real world application, demonstration	Collaborative learning & discuss.	Interactive PPT, submission of the paper draft and interactive discussion, calculations	Written Assignment Written Presentation
<b>IV</b>	Illustrate garments with the application of elements of design – line	3	1	K3 & K4	Discussion & Experimental Learning	Guided Instruction, Inquiry worksheet	Interactive PPT, submission of the paper draft and interactive	Submission of constructed samples &

							discussion, calculations	Individual presentation
	Illustrate garments with the application of elements of Shape or Form & Size & Texture	2		K3 &K6	Visual Lecture, Experimental Learning, Sample Demonstration	Think, discuss and share, peer learning, Quiz	Quiz (LMS), Demonstration & Discussion	Quiz, Individual Discussion
V	Illustrate garment with application of the Principals of Design Balance in Dress	2	1	K2 &K3	Lecture with Interactive PPT & Conceptual demonstration	Collaborative learning	Video (You tube), Google notes, Interactive PPT,	Written Assignment Written Presentation
	Illustrate garment with application of the Principals of Design Harmony in Dress, Emphasis in Dress, Proportion in dress, Rhythm in dress	3		K2 &K3	Discussion & Experimental Learning	Inquiry based learning	Video (You tube), Google notes, Interactive PPT,	Written Assignment Written Presentation

**Department** : **Costume Design & Fashion**  
**Class** : **I B.Sc Costume Design & Fashion**  
**Title of the Course** : **Non-Major Elective Fashion Concept and Design**  
**Semester** : **I**  
**Course Code** : **DU241NM1**

Course Code	L	T	P	Credits	Inst. Hours	Total Hours	Marks CIA	Course Code		
								CIA	External	Total
DU241NM1	1	1	-	-	2	2	30	FU231CC1	1	1

**Learning Objectives:**

1. To learn about the different designs used in fashion.
2. To study about different types and principles of designs

**Course Outcomes**

COs	Upon completion of this course, students will be able to:	PSO addressed	CL
CO-1	explain the terms of fashion used in fashion industry.	PSO - 1	K1
CO-2	develop dress designs on principles of design.	PSO - 2	K2
CO-3	design various types of dresses using colors.	PSO - 3	K3
CO-4	apply the elements of design used in various dresses	PSO - 3	K3
CO-5	illustrate different types of fashion accessories.	PSO - 3	K3

**K1** - Remember; **K2** - Understand; **K3**- Apply



**Teaching plan**  
**Total Contact hours\*: 30 (Including lectures, assignments and tests)**

Unit	Module	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
<b>I</b>	<b>TERMS IN FASHION INDUSTRY</b>								
	1	Definition of Fashion, Style, Classic, Fad.	3	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA I
	2	Fashion cycle. Term related to fashion industry, Mannequin, Boutique, Collection, Fashion shows, Apparel catalogue, Fashion Clinic.	3		K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Presentation, homework, creative writing, group discussion, CIA I
<b>II</b>	<b>ELEMENTS OF DESIGN</b>								
	1	Design–definition and types. Elements of design–Line, Shape, Size, texture, Color. Creating Variety in dress	6	1	K2(U) & K3(Ap)	Lecture with Visual Aids such as PPT,	Based Learning, Peer Teaching, Gamified Quiz,	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA I,

		through elements of design.				<b>Simulation-Based Learning,</b>	Concept Mapping.		Conceptual Presentation Quiz, Group
<b>III</b>	<b>PRINCIPLES OF DESIGN</b>								
	1	Design principles – Harmony, Proportion, Balance, Rhythm, Emphasis, and Application of principles in dress.	6	1	K2(U) & K3(Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA II, Conceptual Quiz, Group Presentation
<b>1V</b>	<b>COLOR</b>								
	1	Color–definition and qualities. Prang color chart.	3	1	K2(U) & K3(Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA II
	2	Color harmony – Monochromatic, Analogous, Complementary, color harmony	1		K2(U) & K3(Ap)	Lecture with Visual Aids such as PPT, Simulation-Based	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Presentation, homework, creative writing, group discussion, CIA II

						Learnin g,			
<b>V</b>	<b>FASHION ACCESSORIES</b>								
	1	Fashion accessories– Shoes, Handbags, Hats,	2	1	K2(U)	Lecture with Visual Aids such as PPT, Simulat ion- Based Learnin g,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA II
	2	Ties–different types and shapes, Belt, Bow, Hair band, Shoes, Purse, File Cover ,	2		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulat ion- Based Learnin g,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulati on Tool, Interacti ve Notes,	Presentation, homework, creative writing, group discussion, CIA II

**Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

1. Portfolio Development
2. Mock Fashion show

**Activities (Em/ En/SD):**

1. Collect different types of shoes
2. Colour Mixing- Primary Colour & Secondary Color

**Assignment:**

1. International 5 top most boutique
2. International 5 Top Fashion Designers

**Seminar Topic:**

1. Fashion Accessories – different types of shapes and sizes of shoes
2. Fashion Accessories – different types of shapes and sizes of Handbags

(Last date to submit : 01-09-2025)

**Sample questions**

**Part A (2 mark)**

1. Define Fashion (K2-U, CO-2)
2. Classify the types of Design (K1-R, CO-1)
3. What is meant by Emphasis (K2-U, CO-2)
4. What is meant by color harmony (K1-R, CO-1)
5. Classify the types of Ties (K1-R, CO-1)

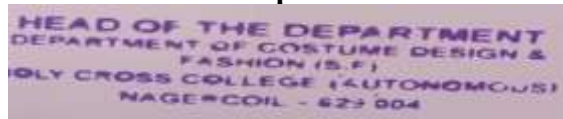
**Part – B (4 mark) Answer all Questions**

1. Discuss in detail about fashion cycle with neat diagram. (K2-U, CO-2)
2. Briefly explain about fashion Cycle. (K2-U, CO-2)
3. Explain the elements of design with neat illustration. (K1-R, CO-1)
4. Explain the requirements of structural and decorative design with neat diagram. (K2-U, CO-2)
5. Define emphasis. Elaborately explain in details about types of emphasis with neat illustration. (K1-R, CO-1)
6. Define harmony. Explain in details about types of harmony with neat illustration. (K1-R, CO-1)
7. Explain in details about analogous colour with neat diagram. (K1-R, CO-1)
8. Illustrate the application of colour principles of design. (K1-R, CO-1)

**Part – C (9 mark) Answer all Questions**

1. Define fashion. Illustrate different types of fashion garment worn by teenagers. (K2-U, CO-2)
2. Explain in briefly about the Boutique and Mannequin. (K2-U, CO-2)
3. Define design. Explain the types of design. (K2-U, CO-2)
4. Illustrate and design garments using different types of lines. (K1-R, CO-1)
5. Define balance. Explain in details about types of balance with neat illustration. (K1-R, CO-1)
6. Define rhythm. Explain in details about types of rhythm with neat illustration. (K2-U, CO-2)
7. Define colour. Explain in details about colour theories with neat illustration. (K2-U, CO-2)
8. Briefly explain the prang colour chart with neat illustration. (K2-U, CO-2)

**Head of the Department**



**Course Instructor**

A handwritten signature in black ink, appearing to read "Menaka T", with a horizontal line underneath.

**(Menaka T)**

**Department** : Costume Design & Fashion  
**Class** : I B.Sc Costume Design & Fashion  
**Title of the Course** : Foundation Course Fashion Designing Concept  
**Semester** : I  
**Course Code** : DU241FC1

Course Code	L	T	P	Credits	Inst. Hours	Total Hours	Marks CIA	Course Code		
								CIA	External	Total
FU241FC1	1	1	-	-	2	2	30	FU231CC1	1	1

**Learning Objectives:**

1. To learn about the different designs used in fashion.
2. To study about different types and principles of designs

**Course Outcomes**

COs	Upon completion of this course, students will be able to:	PSO addressed	CL
CO-1	explain the terms of fashion used in fashion industry.	PSO - 1	K1
CO-2	develop dress designs on principles of design.	PSO - 2	K2
CO-3	design various types of dresses using colors.	PSO - 3	K3
CO-4	apply the elements of design used in various dresses	PSO - 3	K3
CO-5	Illustrate different types of fashion accessories.	PSO - 3	K3

**K1** - Remember; **K2** - Understand; **K3**- Apply

**Teaching plan**  
**Total Contact hours\*: 45 (Including lectures, assignments and tests)**

Unit	Module	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
<b>I</b>	<b>DESIGN ELEMENTS AND PRINCIPLES</b>								
	1	Design- definition and types– structural and decorative design, requirements of a good structural and decorative design in dress.	3	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA I, Conceptual Quiz, Group Presentation
	2	Elements of design and its application in dress, line, shape or form, color and, Texture and its application in dress.	3		K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA I
<b>II</b>	<b>PRINCIPLES OF DESIGN</b>								
	1	Principles of design and its application in dress balance, rhythm, emphasis, harmony and Proportion and its application in dress.	6	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA I, Conceptual Quiz, Group Presentation

						Based Learning,			
<b>III</b>	<b>COLOUR</b>								
	1	Colour- definition, colour theories - Prang colour chart,	3	1	K1 (R)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA II
	2	Dimensions of colour - Hue, Value and intensity, Munsell colour system and Standard colour harmonies	3		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Presentation, homework, creative writing, group discussion, CIA II
<b>1V</b>	<b>DESIGNING DRESSES FOR UNUSUAL FIGURES</b>								
	1	Designing dresses for unusual figures-becoming and unbecoming for the following figure types.	1	1	K2 (U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA II, Conceptual Quiz, Group Presentation.

	2	Stout figure, thin figure, slender figure,	1		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Slip test, Discussion, class test, Assignment MCQ, Discussion, Fill-in-the-blank, CIA II
	3	Narrow shoulders, broad shoulders, round shoulders,	3	1	K3 (Ap)	Lecture with visualization, Concept-based discussion,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Presentation, homework, creative writing, group discussion, CIA II
	4	Large bust, flat chest, large hip, large abdomen, round face, small face, prominent chin and jaw, prominent forehead.	1		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Quiz, class test, Brainstorming, Peer review, CIA II
<b>V</b>	<b>FASHION EVOLUTION</b>								
	1	Fashion evolution – Fashion, style, fad and classic,	2	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation	Based Learning, Peer Teaching, Gamified Quiz,	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA II, Conceptual Quiz, Group Presentation.



						ion- Based Learnin g,	Concept Mapping.		
	2	Fashion cycles, Adoption of Fashion theories- Trickle down, trickle up and trickle across,	2		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulat ion- Based Learnin g,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulati on Tool, Interacti ve Notes,	Presentation, homework, creative writing, group discussion, CIA II
	3	Fashion director, fashion editor, fashion leaders, fashion innovators, Fashion followers. .	2	1	K2(U)	Lecture with visualiz ation, Concep t-based discussi on,	Collaborat ive Learning, Concept Mapping	PowerPo int with graphical represent ations of coordinat e systems	Quiz, class test, Brainstorming, Peer review, CIA II

**Total Teaching hours include 15 hours allotted for Formative and Summative Assessments**

**Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

1. Portfolio Development
2. Mock Fashion show

**Assignment**

1. Colour Theory
2. Top most International Fashion designers  
(Last date to submit: 01-09-2025)

**Sample questions (2 Marks)**

**Part A**

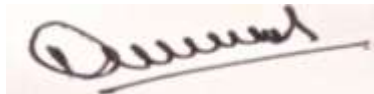
1. What is Design and its types (K2-U, CO-2)
2. What is Anti Fashion? What is the role of Fashion in our day-to-day life. (K1-R, CO-1)
3. What is Fashion Cycle (K2-U, CO-2)
4. Define Classic. (K1-R, CO-1)
5. Define Trickle down and trickle up theory. (K1-R, CO-1)

### **Part B (4 Marks)**

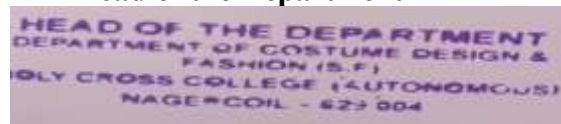
1. Write short notes on Fashion and style. . (K1-R, CO-1)
2. What are the features of fashion forecasting? (K2-U, CO-2)
3. Write short notes on elements of design. (K1-R, CO-1)
4. Define Balance. Give two illustrations for formal balance in a lady's wear. (K1-R, CO-1)
5. Apply the value of short t notes on Hue, Value, Intensity. (K3-Ap, CO-3)
6. List down the colours in colour wheel and explain. (K1-R, CO-1).
7. How will you design a garment for a stout figure? (K3-Ap, CO-3)
8. Design a shirt for round shoulder figure (K3-Ap, CO-3)
9. How will you plan a wardrobe for teenagers? (K3-Ap, CO-3)
10. What are the factors influencing wardrobe selection? (K2-U, CO-2)

### **Part C ( 9 Marks)**

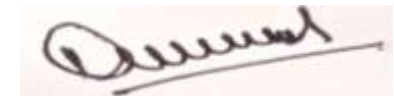
1. Write short notes on Fashion Terminologies. (K2-U, CO-2)
2. Describe the method of fashion forecasting. (K2-U, CO-2)
3. Write the applications of principles of design in a garment. (K3-Ap, CO-3)
4. Discuss about the requirements of a good structural design in Women's garments. (K1-R, CO-1)
5. Give an account on Rhythm through repetition. (K2-U, CO-2)
6. Explain prang colour chart. (K2-U, CO-2)
7. How will you design a dress for a flat chest figure? Give any two designs. (K3-Ap, CO-3)
8. Explain and Illustrate Monochromatic & Analogous colour harmony? (K3-Ap, CO-3)
9. Describe a wardrobe planning for high school boys and girls. . (K1-R, CO-1)
10. Write on the becoming and unbecoming for large bust and large hip person. (K1-R, CO-1)



**Head of the Department**



**Course Instructor**



**Department : Costume Design and Fashion**  
**Class : II B.Sc. Costume Design and Fashion**  
**Title of the Course : CORECOURSE III: TECHNOLOGY OF APPAREL MANUFACTURING**  
**Semester : III**  
**Course Code : DU243CC1**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU243CC1	5	-	-	-	5	5	75	25	75	100

## Learning Objectives

1. **To understand the sequence of apparel manufacturing processes.**
2. **To gain knowledge of spreading, marking, and cutting technologies used in garment production.**

## Course Outcomes

CO No.	On the successful completion of the course, students will be able to:	Cognitive Level	PSO Addressed
CO1	Identify different spreading methods and tools used in garment production	K1 (R), K2 (U)	PSO1
CO2	Apply appropriate cutting methods for different fabric types	K3 (A)	PSO2
CO3	Examine stitch formation in various sewing techniques	K4 (An)	PSO3
CO4	Assess the role of interlining and fusing in garment construction	K5 (E)	PSO4
CO5	Design an efficient garment pressing workflow using appropriate machinery	K6 (C)	PSO5

## Teaching plan

**Total Contact hours\*: 75 Including lectures, assignments and tests)**

Unit	Module (Minimum 5 to Maximum 10 modules are permitted)	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
I									

	1	Introduction to Apparel Manufacture	3	1	K1, K2	Lecture with visual aids, videos	Active learning, real-world application	PPT, videos, articles	MCQ, short answers, Quiz, concept tests, Oral tests, short essays, Worksheets, test, CIA I
	2	Sequence of Apparel Manufacturing Process	3	1	K1, K2	Lecture with visual aids	Creativity, analysis	Notes, articles	
	3	Spreading Methods and Tools	3	1	K1, K2	Lecture and video demonstration	Real-world task observation	Demo videos, simulations	
	4	Types of Spreading, Marking Methods	3	1	K1, K2	Interactive PPT session	Active recall	Case studies	
	5	Marker Types, Efficiency, Planning	3	1	K1, K2	Chalk & talk with visual aid	Practice worksheets	PDFs, marker plans	
II									
	1	Cutting Technology - Definition, Objectives	3	1	K3	Lecture with video aids	Design thinking	PPT, tools, tutorials	MCQs, concept explanations Demonstration , quiz,short notes Assignment, oral test, CIA I
	2	Cutting Tools – Hand Shears, Straight & Round Knife	4	1	K3	Visual demonstration	Peer practice	Video clips, tool specs	
	3	Band Knife, Notchers, CNC Cutting	4	1	K3	Problem-based, demo-based	Design application	Industry clips, notes	
	4	Laser, Plasma, Waterjet & Ultrasonic Cutting	4	1	K3	Experiential learning	Innovation tasks	YouTube demo, articles	
III									
	1	Types of Sewing Machines	3	1	K4	PPT with real demo	Collaborative learning	Machine catalogues, videos	Quiz, participation Viva, worksheet MCQ, lab note Activity-based evaluation, CIA I
	2	Industrial Machines – Single & Double Needle	4	1	K4	Real machine exposure	Case analysis	Tech manuals, demo clips	
	3	Lockstitch, Overlock, Flatlock, Bar Tacking	4	1	K4	In-lab observation	Peer-led demo	Practical video, charts	

	4	Buttonhole, Button Fixing, Blind Stitch	4	1	K4	Visual aid + demo	Task-based learning	Tutorial videos	
<b>IV</b>									
	1	Embroidery Machines – Free-Motion	3	1	K5	Lecture + hands-on	Design Challenge	Embroidery machine clips	Short test, evaluation Performance-based assessment Quiz Worksheet, quiz Peer assessment, MCQ, CIA II
	2	Computerized Machine Embroidery	3	1	K5	PPT + live demo	Creative tasks	CAD videos	
	3	Seams and Stitches – Types	3	1	K5	Chart + visuals	Peer demo	Classification videos	
	4	Interlining & Fusing – Purpose, Process	3	1	K5	Fusing machine demo	Application-based learning	Notes + live samples	
	5	Fusing Equipment & Methods	3	1	K5	Equipment tour + media	Group tasks	Sample demo video	
<b>V</b>									
	1	Pressing – Introduction	2	1	K6	Chalk & talk + visuals	Group learning	Notes/slides	Oral assessment, quiz MCQ, test Presentation, test Written test, peer review Group assignment, CIA II
	2	Pressing Classifications	3	1	K6	Visual + equipment demo	Peer review tasks	Machinery videos	
	3	Equipment – Hand Iron, Under/Top Pressing	2	1	K6	In-lab practice	Collaborative work	Photos + article	
	4	Garment Packaging – Functional & Sales Requirements	2	1	K6	Lecture + industry visit	Discussion-led	YouTube, industrial videos	
	5	Types of Garment Packaging	3	1	K6	Visuals + case studies	Group presentation	Infographics, brand study	

**\*Total Teaching hours include 75 hours allotted for Formative and Summative Assessments**

**Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

**Activities (Em / En /SD):** Industrial visits to textile manufacturing units

**Assignment:** Designing an Efficient Apparel Production Workflow for a Start-up Brand (Last date to submit – 16-08-2025)

**Seminar Topics:**

1. Sustainable practices in textile manufacturing
2. The impact of fast fashion on the environment
3. Eco-friendly materials and production methods
4. The role of innovation in sustainable textile production.

**Sample questions (minimum one question from each unit)**

**Part A (1 mark)**

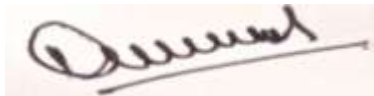
1. What is used to guide the cutting process and ensure accuracy? (K1-R, CO-1)  
A. Pattern    B. Marker    C. Fabric    D. Thread
2. What is a computer-controlled cutting system that uses a high-energy beam? (K3-A, CO-2)  
A. Die cutting    B. Laser cutting    C. Water jet cutting    D. Ultrasonic cutting
3. What type of sewing machine is used for general-purpose sewing? (K4-A, CO-3)  
A. Overlock    B. Single needle Lock Stitch    C. Double Needle Lock Stitch    D. Bar tacking
4. What is the purpose of interlining in garment construction? (K5-A, CO-4)  
A. Sewing    B. Fusing    C. Cutting    D. Packaging
5. What is the purpose of packaging in the garment industry? (K6-A, CO-5)  
A. Protection and presentation    B. Cutting and sewing    C. Marketing and sales    D. Design and development

**Part B (3 marks)**

1. What are the different methods of spreading fabric in apparel manufacture? (K1-R, CO-1)
2. Describe the types of cutting machines used in the apparel industry. (K3-A, CO-2)
3. What are the different types of sewing machines used in industrial settings? (K4-A, CO-3)
4. Explain the purpose of interlining in garment construction. (K5-A, CO-4)
5. Describe the different types of garment packaging used in the industry. (K6-A, CO-5)

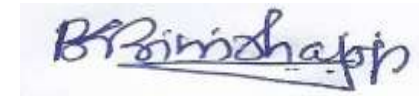
### Part C (7 marks)

1. What are the requirements of marker planning in apparel manufacture? (K1-R, CO-1)
2. Describe the different types of knives used in cutting technology. (K3-A, CO-2)
3. What are the benefits of using computerized embroidery machines? (K4-A, CO-3)
4. Explain the process of fusing interlinings in garment construction. (K5-A, CO-4)
5. Describe the different types of pressing machinery and equipment used in the industry. (K6-A, CO-5)



**Head of the Department**

HEAD OF THE DEPARTMENT  
DEPARTMENT OF COSTUME DESIGN &  
FASHION (S.F.)  
BLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL - 627 604



**Course Instructor**

**SEMESTER III**  
**CORE LAB COURSE III: CONSTRUCTION OF WOMEN'S WEAR**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU233CP1	-	-	3	-	3	3	45	25	75	100

**Pre-requisite**

Basic knowledge to construct women's garment

**Learning Objectives**

1. To make designs and patterns for various styles of women's wear.
2. To estimate the fabric requirement for garment based on its style and suitable layout methods for the effective utilization of fabric

**Course Outcomes**

On the successful completion of the course, students will be able to:		
1	identify and understand selection of suitable fabric for garment construction.	<b>K1&amp;K2</b>
2	apply the measurements to draft a basic block pattern for women's wear.	<b>K3</b>
3	analyze the drafting procedure for different styles.	<b>K4</b>
4	evaluate the fabric requirement and cost calculation based on the garment style.	<b>K5</b>
5	create and construct different style variations from the basic block pattern.	<b>K6</b>

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



**Teaching Plan Total hours: 45**

Unit	Topics	Teaching Hours	Assessment Hours	Cognitive Level	Pedagogy	Student Centric Method	E- Resources	Assessment/ Evaluation Methods
<b>I</b>	Introduction to Construction, Guidelines to body measurements, Drafting, Cutting and construction of six gore S.P	3	1	K2 & K3 K6	Lecture with Interactive PPT & Conceptual demonstration	Think, discuss and share peer learning, Quiz	Video (You tube), Google notes, Interactive PPT,	Written Assignment Written Presentation
	Drafting procedure, Drafting, Cutting, Stitching and submitting of circular , Panel , pleated skirt with style variations	4		K2 & K3	Discussion & Experimental Learning	Inquiry based learning	Quiz (LMS), Demonstration & Discussion	Display the designed samples
<b>II</b>	Salwar, Chudithar, Parallels with variations	4	1	K2 & K3	Visual Lecture, Experimental Learning, Sample Demonstration	Guided Instruction, Inquiry worksheet	Video lecture, submission of draft, interactive notes, cost calculation	Submission of constructed samples & Individual presentation
	Kameez – Slit, Styles in neck & Sleeves	3		K2, K3 & K5	Lecture with Interactive PPT & Conceptual demonstration	Inquiry based learning	Video (You tube), Google notes, Interactive PPT,	Display of the designed samples.
<b>III</b>	Blouse – front open , neck style, Blouse – front open, waist band in front with sleeves	4	1	K2 & K3	Lecture with visualization, concept based discussion	Collaborative learning & discuss.	Interactive PPT, submission of the paper draft and interactive discussion, calculations	Evaluation of the samples, Display of the designed samples

	Sleepwear Pyjamas suit, Nighty- with or without sleeve, lace	4		K2, K3 & K6	Real world application, demonstration	Designing the concept	Quiz (LMS), Demonstration & Discussion	Quiz, Individual Discussion
IV	Ladies pant with waist band/ tight fitting, Parallel Pant with or without zip	5	1	K2 & K3	Lecture with visualization, concept based discussion	Guided Instruction, Inquiry worksheet	Video lecture, submission of draft, interactive notes, cost calculation	Written Assignment Written Presentation
	Jump suit – with (or) without sleeve -With rope or clastic at waist -With zip	5		K2,K3& K6	Visual Lecture, Experimental Learning, Sample Demonstration	Collaborative learning & discuss.	Quiz (LMS), Demonstration & Discussion	Evaluation of the samples, Display of the designed samples
V	Kurthi -Style variations in color -With placket -With or without seam pockets	4		K2 & K3	Discussion & Experimental Learning	Guided Instruction, Inquiry worksheet	Interactive PPT, submission of the paper draft and interactive discussion, calculations	Submission of constructed samples & Individual presentation
	Gown -With or without yoke -Style variations in nect	2	1	K2 & K3	Visual Lecture, Experimental Learning, Sample Demonstration	Think, discuss and share, peer learning, Quiz	Quiz (LMS), Demonstration & Discussion	Quiz, Individual Discussion
	Gown -Aline Model/ Panel/ Circular/Decorated bottom and sleeve	2		K2 ,K3, K5 & K6	Real world application, demonstration	Designing the concept	Interactive PPT, submission of the paper draft and interactive discussion, calculations	Written Assignment Written Presentation

**Department** : **Costume Design & Fashion**  
**Class** : **II B.Sc Costume Design & Fashion**  
**Title of the Course** : **Elective III: Fabric Structure and Design**  
**Semester** : **III**  
**Course Code** : **DU243EC1**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU243EC1	4	-	-	5	4	60	25	75	100	4

**Learning Objectives:**

1. To identify and gain the knowledge about Basic woven designs
2. To learn about the different types of novelty weaves

**Course Outcomes**

COs	Upon completion of this course, students will be able to:	PSO addressed	CL
CO-1	understand and remember the basic woven design and its mechanism.	PSO - 1	K1 &K2
CO-2	apply the different weave structure of novelty weaves	PSO - 2	K3
CO-3	analyse the different types of figured fabrics.	PSO - 3	K4
CO-4	evaluate the mechanism in pile fabric production.	PSO - 3	K5
CO-5	create the different manufacturing process of double cloth.	PSO - 3	K6

**K1** - Remember; **K2** - Understand; **K3**- Apply; **K4** - Analyse; **K5**- Evaluate

### Teaching plan

**Total Contact hours\*: 60 (Including lectures, assignments and tests)**

Unit	Module	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
<b>I</b>	<b>BASIC WOVEN AND ITS MECHANISM</b>								
	1	Introduction and Classification of Woven structures. Design-Point paper design,	3	1	K1(R) &K2 (U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Written Assignment- Oral Presentation, Conceptual Questions, CIA I
	2	Methods of weave Representation and weave repeat,	3		K2(U) & K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	MCQ test, Visualization Task, Conceptual Quiz, CIA I
	3	Basic elements of a woven design, Peg plan and its types. Basic Weaves – Plain, Rib, Basket, Twill, Satin, Sateen	3	1	K2(U) & K3 (Ap)	Lecture with visualization, Concept-based discussion,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Oral Quiz, slip test, Assignment, CIA I.

	4	Basic Weaves – Plain, Rib, Basket, Twill, Satin, Sateen	3		K2(U) & K3 (Ap)	Lecture with Visual Aids <b>such as</b> PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	Video Lectures,	MCQ test, Visualization Task, Conceptual Quiz, CIA I
<b>II</b>	<b>NOVELTY WEAVES</b>								
	1	Novelty weaves-Pile weave, Double cloth weave, Gauze weave, Swivel Weave, Lappet weave,	3	1	K1(R)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA I, Conceptual Quiz, Group Presentation
	2	Honey Comb - ordinary, brighten Honey Comb	3		K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Written Assignment- Oral Presentation, Conceptual Questions, CIA I
	3	Huck a Back, Crepe and Mock Leno. End	3	1	K2(U)	Lecture with	Collaborative Learning,	PowerPoint with graphical	MCQ test, Visualization Task, Conceptual Quiz, CIA I

		uses of the above weaves				visualization, Concept-based discussion,	Concept Mapping	representations of coordinate systems	
<b>III</b>	<b>FIGURED FABRICS</b>								
	1	Extra warp and extra weft figuring – single and two colors,	4	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Formative Quiz using Nearpod / Kahoot / Google Forms, Written Assignment- Problem-based worksheet, Oral Presentation, Conceptual Questions, CIA II, Conceptual Quiz, Group Presentation
	2	Difference between extra warp and extra weft figuring	4		K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Open Book Test, Assignment Oral Viva, CIA II
	2	Pile Fabric- Classification of Pile Fabric – Weft File Fabric-Corded Velveteen, Warp Pile Fabric – Terry Pile	6	1	K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Written Assignment- Oral Presentation, CIA II

						Learnin g,			
<b>1V</b>	<b>WEAVING MECHANISM</b>								
	1	Classification of fabric forming methods – Weaving preparatory processes and its objectives – Warping, Sizing & Drawing – in.	2	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Open Book Test, Assignment Oral Viva, CIA I
	2	Weaving mechanism- Primary, secondary & auxiliary motions of a loom.	4		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Written Assignment- Oral Presentation, CIA I
	3	Parts and functions of a simple loom; Classification of looms Salient features of automatic looms; Shuttle looms, its advantages	4	1	K2(U)	Lecture with visualization, Concept-based discussion ,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Peer Review, Student presentation, Quiz questioning CIA I
	4	Types of shuttles less looms – Rapier – Projectile – Air jet – Water jet	5		K3 (Ap)	Lecture with Visual Aids	Based Learning, Peer Teaching,	Video Lecture, Simulation Tool,	Home work, Assignment, group discussion, peer review, CIA II

						such as PPT, Simulation-Based Learning,	Gamified Quiz, Concept Mapping	Interactive Notes,	
<b>V</b>	<b>KNITTING</b>								
	1	Single Jersey Structure, Rib Structure, Interlock Structure – and its derivatives,	2	1	K2(U)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping.	<i>Video Lectures,</i>	Open Book Test, Assignment Oral Viva, CIA II
	2	Flat Knitting,	4		K3 (Ap)	Lecture with Visual Aids such as PPT, Simulation-Based Learning,	Based Learning, Peer Teaching, Gamified Quiz, Concept Mapping	Video Lecture, Simulation Tool, Interactive Notes,	Written Assignment- Oral Presentation, CIA II
	3	Warp Knitting Rashel and Tricot .	4	1	K2(U)	Lecture with visualization, Concept-based discussion,	Collaborative Learning, Concept Mapping	PowerPoint with graphical representations of coordinate systems	Peer Review, Student presentation, Quiz questioning CIA II



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### Course Focussing on Employability/ Entrepreneurship/ Skill Development:

1. Analyze different types of Fabrics
2. Industrial Visits

### Activities (Em/ En/SD):

1. Collecting different types of weaves using different types of natural fabric
2. Collecting Different types of weaves using different types of synthetic Fabric

### Assignment

1. Different types of weaves in natural fabric, properties and its uses
2. Different types of weaves in manmade fabric, properties and its uses

(Last date to submit – : 01-09-2025)

### Sample Questions Part A (1 mark)

1. The simplest weave structure is called? (K1-R, CO-1)  
a) Plain b) Twill c) Satin d) Sateen
2. A tool used for designing weaves is called? (K1-R, CO-1)  
a) Peg Plan b) Loom c) Point Paper d) Shuttle
3. Which weave is characterized by diagonal lines? (K2-U, CO-2)  
a) Twill b) Plain c) Basket d) Rib
4. Weave repeat is essential for? (K2-U, CO-2)  
a) Color b) Pattern c) Yarn d) Density
5. Satin weave is known for its? (K1-R, CO-1)  
a) Strength b) Smoothness c) Weight d) Rigidity
6. A weave known for creating loops is called? (K2-U, CO-2)  
a) Gauze b) Pile c) Twill d) Rib
7. Which weave is known for a honeycomb effect? (K2-U, CO-2)  
a) Lappet b) Honeycomb c) Crepe d) Mock Leno
8. The primary function of the lappet weave is? (K1-R, CO-1)  
a) Thickness b) Surface Pattern c) Smoothness d) Color
9. A fabric with a textured surface often uses? (K2-U, CO-2)  
a) Crepe b) Plain c) Satin d) Basket
10. A double cloth weave typically contains? (K1-R, CO-1)  
a) One Layer b) Two Layers c) Three Layers d) Four Layers
11. Figuring using extra warp threads creates? (K2-U, CO-2)  
a) Patterns b) Color c) Weight d) Texture
12. Corded velveteen is classified as a? (K1-R, CO-1)  
a) Plain Fabric b) Weft Pile Fabric c) Warp Pile Fabric d) Double Cloth
13. Terry pile is an example of? (K2-U, CO-2)  
a) Extra Warp b) Huck-a-Back c) Warp Pile d) Crepe
14. A single color figuring is achieved using? (K2-U, CO-2)  
a) Double Cloth b) Extra Weft c) Rib d) Mock Leno
15. Figuring techniques can vary by using? (K1-R, CO-1)  
a) Extra Warp b) Plain Weave c) Basket Weave d) Satin Weave
16. Double cloth construction uses how many layers? (K2-U, CO-2)

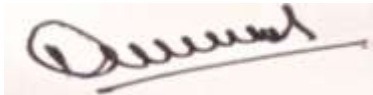
- a) Two b) Three c) Four d) One
17. The center-stitched double cloth has a stitching method of? (K2-U, CO-2)  
a) Face to Back b) Center c) Combination d) Front Only
18. Wadded double cloth includes additional? (K1-R, CO-1)  
a) Color b) Padding c) Patterns d) Stitches
19. The principle of double cloth production focuses on? (K2-U, CO-2)  
a) Layered Fabric b) Pattern c) Color d) Smoothness
20. A type of double cloth with self-stitching is known as? (K2-U, CO-2)  
a) Self-Stitched b) Center-Stitched c) Wadded d) Backstitched
21. Rib structure is commonly used in? (K2-U, CO-2)  
a) Knitting b) Weaving c) Dyeing d) Printing
22. The basic knitting structure with no patterns is? (K2-U, CO-2)  
a) Rib b) Single Jersey c) Interlock d) Flat Knit
23. Raschel knitting is a type of? (K1-R, CO-1)  
a) Warp Knitting b) Weft Knitting c) Plain Knitting d) Double Knitting
24. Flat knitting differs by having? (K1-R, CO-1)  
a) Flat Panels b) Circular Panels c) Twisted Yarns d) Patterns Only
25. Tricot knitting is often used in? (K1-R, CO-1)  
a) Weft Fabrics b) Warp Fabrics c) Cotton Fabrics d) Plain Fabrics

**Part – B (6mark)**

1. Explain the role of point paper in designing woven fabrics. (K1-R, CO-1)
2. Describe the characteristics of plain weave and its applications. (K1-R, CO-1)
3. What is the significance of weave repeat in woven design? (K1-R, CO-1)
4. Differentiate between rib and basket weave structures. (K2-U, CO-2)
5. Discuss the importance of a peg plan in woven designs. (K1-R, CO-1)
6. Describe the structure and use of pile weaves. (K1-R, CO-1)
7. Explain how honeycomb weaves differ from mock leno weaves. (K1-R, CO-1)
8. Define gauze weave and its applications. (K2-U, CO-2)
9. Compare lappet weave with swivel weave. (K2-U, CO-2)
10. Explain the crepe weave and its use in fabrics. (K1-R, CO-1)
11. Describe the characteristics of extra warp figuring in fabric design. (K2-U, CO-2)
12. Explain the difference between extra warp and extra weft figuring. (K1-R, CO-1)
13. Define pile fabrics and their classifications. (K1-R, CO-1)
14. What are the applications of corded velveteen in textiles? (K2-U, CO-2)
15. Discuss the construction of warp pile fabrics such as terry pile. (K1-R, CO-1)
16. Define double cloth and describe its basic types. (K1-R, CO-1)
17. Explain the principles of constructing self-stitched double cloth. (K1-R, CO-1)
18. Describe the process of center stitching in double cloth. (K1-R, CO-1)
19. What is the purpose of wadded double cloth in textiles? (K2-U, CO-2)
20. Discuss the applications of double cloth fabrics. (K1-R, CO-1)
21. Define single jersey and its uses in knitting. (K2-U, CO-2)
22. Explain the characteristics of rib structure in knitting. (K1-R, CO-1)
23. Describe interlock knitting structure and its derivatives. (K2-U, CO-2)
24. What is the importance of flat knitting in textile production? (K1-R, CO-1)
25. Discuss the applications of warp knitting in fabrics. (K3-Ap, CO-3)

**Part C (12mark)**

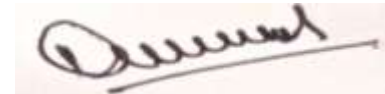
1. Describe the different types of basic weaves with examples. (K1-R, CO-1)
2. Explain the role and methods of weave representation in fabric design. (K2-U, CO-2)
3. Discuss the structural differences between twill, satin, and sateen weaves. (K1-R, CO-1)
4. Explain the classification of woven designs and the elements of each type. (K2-U, CO-2)
5. Analyze the importance and design process of a point paper in creating woven structures. (K4-An, CO-4)
26. Discuss the classification of novelty weaves and their applications. (K3-Ap, CO-3)
6. Explain the construction and uses of pile and double cloth weaves. (K1-R, CO-1)
7. Describe honeycomb and Huck-a-Back weaves, highlighting their structural differences. (K1-R, CO-1)
8. Compare and contrast the characteristics of crepe and mock leno weaves. (K3-Ap, CO-3)
9. Discuss the design process and end uses of lappet and swivel weaves in fabric production. (K1-R, CO-1)
10. Explain the differences and design techniques between extra warp and extra weft figuring. (K2-U, CO-2)
11. Describe the classification of pile fabrics and their production methods. (K1-R, CO-1)
12. Discuss the process of designing figured fabrics and their uses in industry. (K1-R, CO-1)
13. Explain the structural differences between corded and plain velveteen. (K1-R, CO-1)
14. Analyze the applications of figured fabrics, focusing on single and two-color figuring techniques. (K4-An, CO-4)
15. Explain the various methods of double cloth stitching and their uses. (K1-R, CO-1)
16. Compare self-stitched, center-stitched, and wadded double cloths. (K4-An, CO-4)
17. Discuss the production and applications of double cloth in textile design. (K1-R, CO-1)
18. Describe the construction techniques of combination-stitched double cloth. (K1-R, CO-1)
19. Analyze the principles behind double cloth production, focusing on face-to-back stitching. (K4-An, CO-4)
20. Explain the differences between single jersey, rib, and interlock structures. (K1-R, CO-1)
21. Describe the construction and uses of Raschel and Tricot knitting (K1-R, CO-1)



**Head of the Department**



**Course Instructor**



**(Menaka T)**

**Department** : **Costume Design & Fashion**  
**Class** : **II B.Sc Costume Design & Fashion**  
**Title of the Course** : **Elective III: Fabric Structure and Design Laboratory**  
**Semester** : **III**  
**Course Code** : **DU243EP1**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
<b>DU243EP1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>30</b>	<b>25</b>	<b>75</b>	<b>1</b>

**Learning Objectives:**

1. To gain the knowledge and design, draft and lift the basic woven designs
2. To learn, design and draft about the different types of novelty weaves

**Course Outcomes**

COs	Upon completion of this course, students will be able to:	PSO addressed	CL
<b>CO-1</b>	learn about different weave structure of novelty weaves.	PSO - 1	<b>K1</b>
<b>CO-2</b>	understand about the design, draft and lift basic weaves	PSO - 2	<b>K2</b>
<b>CO-3</b>	apply the different weaves of Knitted Fabrics	PSO - 3	<b>K3</b>
<b>CO-4</b>	analyse and evaluate different types of figured fabrics	PSO - 3	<b>K4 &amp;K5</b>
<b>CO-5</b>	create the different weave structure of figured fabrics	PSO - 3	<b>K6</b>

**K1** - Remember; **K2** - Understand; **K3**- Apply; **K4** - Analyse; **K5**- Evaluate

**Teaching plan**  
**Total Contact hours\*: 45 (Including lectures, assignments and tests)**

Unit	Module	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
<b>I</b>	<b>ANALYSE THE FABRIC STRUCTURES</b>								
	1	Plain weave and its derivatives	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	2.	Warp rib	2		K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	3	Weft rib	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	4.	. Twill Weave	2	1	K3(Ap)	Lecture with Visual Aids such as	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with	Evaluation through Practically sample Submission

						Demonstration		observation	
	5	. Satin and Sateen	2		K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	6	Honey Comb Weave	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	7	Huck a Buck Weave	2		K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	8	Pile Weave	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	9	Extra warp figuring	2		K3(Ap)	Lecture with Visual Aids	Based Learning, Hands-On	Video Lecture, Simulation Tool	Evaluation through Practically sample Submission

						such as Demonstration	Demonstration.	Interactive with observation	
	10	Extra weft figuring	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	11	Dobby	2		K3(Ap)	<b>Lecture with Visual Aids</b> such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	12	Jacquard	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	13	Single Jersey Fabric	2		K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	14	Rib Fabric	2	1	K3(Ap)	Lecture with	Based Learning,	Video Lecture,	Evaluation through Practically sample Submission

						Visual Aids such as Demonstration	Hands-On Demonstration.	Simulation Tool Interactive with observation	
	15	Interlock Fabric	2		K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	16	Purl Fabric	2	1	K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission
	17	Warp Knitting Tricot & Raschel	2		K3(Ap)	Lecture with Visual Aids such as Demonstration	Based Learning, Hands-On Demonstration.	Video Lecture, Simulation Tool Interactive with observation	Evaluation through Practically sample Submission

**Total Teaching hours include 15 hours allotted for Formative and Summative Assessments**

**Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

**Activities (Em/ En/SD):**

Analyse the given fabric in various types of Design

1. Plain Weave
2. Twill Weave
3. Satin & Sateen Weave
4. Honey Comb Weave



## 5. Brighten Honey Comb Weave

### Assignment

1. Different types of weaves in natural fabric, properties and its uses
2. Different types of weaves in manmade fabric, properties and its uses

(Last date to submit –: 01-09-2025)

### ALLOCATION OF MARKS EXTERNAL MARKS (75 MARKS)

Procedure	:	30 Marks
Sample	:	20 Marks
Calculation	:	5 Marks
Result	:	5 Marks
Record	:	10 Marks
Viva- Voce	:	5 Marks ‘
Total	:	75 Marks

### Sample questions

1. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)
  1. Plain Weave and its derivatives
  2. Warp rib
2. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)
  1. Weft Rib
  2. Twill Weave
3. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)
  1. Satin and Sateen
  2. Honey Comb Weaves
4. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)
  1. Huck a Buck Weave
  2. Pile Weaves
5. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)
  1. Extra Warp Figuring
  2. Extra Weft Figuring

6. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)

1. Dobby
2. Jacquard

7. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)

1. Single Jersey
2. Rib Fabric

8. Analyse the given Fabric Using various types of Weaves (K3-Ap, CO-3)

1. Purl Fabric
2. Warp Knitting Tricot & Raschal

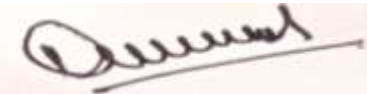


**Head of the Department**



HEAD OF THE DEPARTMENT  
DEPARTMENT OF COSTUME DESIGN &  
FASHION (S.F.)  
JYOTI CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL - 623 804

**Course Instructor**



**(Menaka T)**

**Department** : Costume Design and Fashion  
**Class** : II B.Sc. Costume Design and Fashion  
**Title of the Course** : Skill Enhancement Course II: Indian Textiles and Costumes  
**Semester** : III  
**Course Code** : DU233SE1

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU233SE1	2	-	-	-	2	2	30	25	75	100

### Learning Objectives

1. To know about the traditional woven textiles in India
2. To know about the costumes of India

### Course Outcomes

COs	On the successful completion of the course, students will be able to:	CL	PSO Addressed
CO1	learn about different kinds of woven textile material	K1 (R)	PSO1
CO2	understand the usage of ancient techniques	K2 (U)	PSO2
CO3	compare and apply contrast the various costumes of India	K3 (A)	PSO3
CO4	identify and evaluate different states of embroideries of India	K4&K5 (A,E)	PSO4
CO5	create the traditional saree in India	K6 (C)	PSO5

## Teaching plan

**Total Contact hours\*: 30 (Including lectures, assignments and tests)**

Unit	Module (Minimum 5 to Maximum 10 modules are permitted)	Topic	Teaching Hours	Assessme nt Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
I									
	1	Origin and Growth of Costume – Beginning and development	2	1	K1	Chalk & Talk, Visual PPT, Video Lectures	Real-world applications, innovation	PPTs, Notes, Videos, Articles	Concept Explanation
	2	Painting, Cutting, and Tattooing	2	1	K1	PPT, Visual Aids, Online Resources	Active Learning, Creativity	Simulations, Videos	True/False, MCQ, Short Test, Explanation, CIA I
	3	Traditional Accessories and Ornaments of India	2	1	K1	Visual Aids, Case Studies	Foster Cultural Awareness	Notes/Slides, Case Articles	
II									
	1	Woven, Dyed, and Printed Textiles Overview	1	1	K2	PPT, Videos, Chalk & Talk	Hands-on Labs, Design Thinking	Simulations, Articles	Short Essay, True/False MCQ, Explanation Essay, Quiz Concept Clarity MCQ, Quiz, CIA I
	2	Bandhani, Patola, Kalamkari	1	1	K2	Demonstration, PPT	Design Innovation, Creative Thinking	YouTube, Notes	
	3	Dacca Muslin, Banarasi, Chanderi Brocade	1	1	K2	Visuals, Lectures	Case Discussion	Slides, Articles	
	4	Baluchar, Himru, Amru	1	1	K2	PPT, Online Archives	Design Analysis	Digital Archives	

	5	Kashmir Shawl, Pochampalli	1	1	K2	PPT, Videos	Interactive Learning	Simulations, Notes	
	6	Kancheepuram Silk Sarees	1	1	K2	Chalk & Talk, Video	Real-World Context	Case Films, Threads India	
III									
	1	Overview of Regional Costumes	1	1	K3	PPT, Chalk & Talk	Collaborative Learning	PPTs, Field Research	Short Test, MCQ Essay, Quiz, Concept Review Concept Explanation, CIA I
	2	Tamil Nadu, Kerala	1	1	K3	Visual Aids, Discussions	Case Studies	Traditional Costume Videos	
	3	Andhra Pradesh, Karnataka	1	1	K3	PPT, Cultural Case	Group Learning	Notes, Case Articles	
	4	Maharashtra, Rajasthan, Haryana	2	1	K3	State-Wise Slides	Problem Based Learning	Articles, Folkwear Docs	
	5	Uttar Pradesh, J&K, Gujarat	1	1	K3	Maps, Visual Tour	Peer Discussion	Museum Digital Archives	
IV									
	1	Indus Valley Jewellery and Early Periods	2	1	K4, K5	PPT, Lecture + Visual Aids	Design Challenges	Jewellery Gallery, Videos	Concept Map, Short Test Essay, MCQ Short Essay Quiz, CIA II
	2	Mauryan, Gupta, Pallava, Chola Periods	2	1	K4, K5	Visual Slides + Films	Comparative Study	Ancient India Resources	
	3	Mughal and Symbolic Jewellery of South	1	1	K4, K5	PPT, Documentaries	Cultural Analysis	Museum Artefacts	
	4	Temple Jewellery and Tribal Styles	1	1	K4, K5	Demo + PPT	Creativity & Craft Analysis	Tribal Craft Videos	
V									
	1	Origin and Basic Stitches	1	1	K6	Visual Stitches PPT	Group Discussion	Video Demos, Stitch Charts	Quiz, Essay, Stitch Practice Quiz, Essay
	2	Kashmir & Phulkari (Punjab)	2	1	K6	Visual + Stitch Demo	Peer Review & Presentation	PPT, Craft Videos	

3	Gujarat – Kutch, Kathiawar	1	1	K6	Practical Slides	Student-led Exploration	Craft Documentation	Short Test, MCQ, CIA II
4	Rajasthan, Kasuti (Karnataka), Chikankari	1	1	K6	PPT & Threadboard	Group Analysis	Embroidery Archives	
5	Kantha of Bengal	1	1	K6	Thread/Fabric Showcase	Peer Learning	Stitch Tutorials, Slides	

**\*Total Teaching hours include 30 hours allotted for Formative and Summative Assessments**

**Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

**Activities (Em / En /SD):** Design and create traditional Indian garments and accessories.

**Assignment:** Create a detailed report on the significance of traditional Indian costumes and textiles in modern fashion (Last date to submit – (11-09-2025))

**Seminar Topics:**

1. Traditional Indian textiles and garments
2. The role of traditional Indian textiles in modern fashion
3. The evolution of Indian jewelry through different periods and dynasties
4. embroidery and other traditional crafts in Indian culture.

**Sample questions (minimum one question from each unit)**

**Part A (1 mark)**

1. What is the term for decorative designs on fabric? (K1–R, CO-1)  
A. Weaving B. Embroidery C. Dyeing D. Printing
2. Which city is famous for its fine cotton fabric? (K2–U, CO-2)  
A. Varanasi B. Dacca C. Kancheepuram D. Mysore
3. Which state is known for its traditional Pochampalli sarees? (K3–Ap, CO-2)  
A. Tamil Nadu B. Kerala C. Andhra Pradesh D. Karnataka

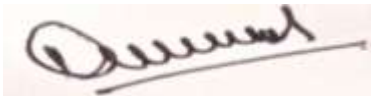
4. Which period saw a resurgence in jewellery-making in India? (K4 & K5–An/Ev, CO-4)  
A. Mauryan B. Gupta C. Pallava D. Chola
5. Which region is known for its Phulkari embroidery? (K6–Cr, CO-5)  
A. Punjab B. Gujarat C. Rajasthan D. Karnataka

**Part B (3 marks)**

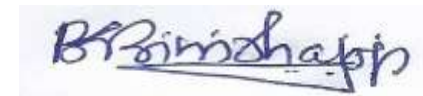
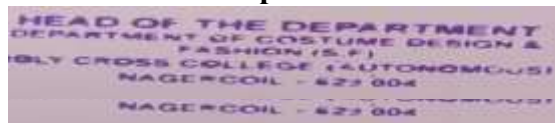
1. What are the different types of traditional accessories and ornaments used in India? (K1–R, CO-1)
2. Describe the characteristics of Bandhani and Patola textiles. (K2–U, CO-2)
3. What are the traditional costumes of Tamil Nadu and Kerala? (K3–Ap, CO-3)
4. Describe the jewelry used during the Indus Valley Civilization. (K4 & K5–An/Ev, CO-4)
5. What are the different types of traditional embroideries found in India? (K6–Cr, CO-5)

**Part C (7 marks)**

1. Explain the significance of Kalamkari and Dacca Muslin textiles. (K1–R, CO-1)
2. Describe the traditional costumes of Rajasthan and Gujarat. (K2–U, CO-3)
3. What are the characteristics of Temple Jewellery of South India? (K3–Ap, CO-4)
4. Describe the embroidery techniques used in Kashmir and Punjab. (K4 & K5–An/Ev, CO-5)
5. What are the different types of fabric and thread used in traditional embroideries of India? (K6–Cr, CO-5)



**Head of the Department**



**Course Instructor**

**Department** : Costume Design and Fashion  
**Class** : II B.Sc. Costume Design and Fashion  
**Title of the Course** : Skill Enhancement Course Sec-III: Fitness for Wellbeing  
**Semester** : III  
**Course Code** : UG23CSE1

Course Code	L	T	P	S	Credits	Total Hours	Marks		
							CIA	External	Total
UG23CSE1	1	-	1	-	2	30	25	75	100

### Learning Objectives

1. To understand the interconnectedness of physical, mental, and social aspects of well-being, and recognize the importance of physical fitness in achieving holistic health.
2. To develop proficiency in mindfulness techniques, yoga practices, nutritional awareness, and personal hygiene practices to promote overall wellness and healthy lifestyle.

### Course Outcomes

CO No.	On the successful completion of the course, student will be able to:	Cognitive Level	PSO Addressed
CO1	Know physical, mental, and social aspects of health	K1 (R)	PSO1, PSO2
CO2	Understand holistic health and the role of physical fitness	K2 (U)	PSO1, PSO3
CO3	Apply mindfulness and yoga for stress management and mental clarity	K3 (A)	PSO2, PSO4
CO4	Implement proper personal hygiene practices for cleanliness and disease prevention	K3 (A)	PSO2, PSO3
CO5	Evaluate and implement right nutritional choices	K5 (A)	PSO3, PSO4



## Teaching plan

**Total Contact hours\*: 30 (Including lectures, assignments and tests)**

Unit	Module (Minimum 5 to Maximum 10 modules are permitted)	Topic	Teaching Hours	Assessme nt Hour	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
I									
	1	Health – definition	1	0.5	K1 (R)	Lecture with visual aids	Real-world application	PPT, videos	True/False Concept tests Short essays MCQs, oral test Short answers, CIA I
	2	Holistic concept of well-being	2	0.5	K1 (R)	Lecture with visual aids	Active learning	Videos, articles	
	3	Physical fitness and its components	1	0.5	K1 (R)	Lecture + discussion	Application- based observation	Simulations	
	4	Muscular strength, flexibility, body composition	1	0.5	K1 (R)	Lecture + video demo	Peer engagement	Notes, demo clips	
	5	Benefits of Physical Activity	1	0.5	K1 (R)	Interactive PPT	Real-life integration	Health journals	
II									
	1	Mental frequency, Analysis of Thought, Eradication of Worries	2	0.5	K2 (U)	Lecture & media	Design thinking	Simulations	Short essay Quiz Written test Short essays, CIA I
	2	Breathing Exercises	1	0.5	K2 (U)	PPT & demo	Problem- solving	Breathing videos	
	3	Mindfulness – Pain Management	1	0.5	K2 (U)	Case-based learning	Real-world example	Online articles	
	4	Daily mindfulness techniques	2	0.5	K2 (U)	Lecture + practice	Reflection & discussion	Guided meditation videos	
III									

	1	Stretching techniques	1	0.5	K3 (A)	Practical demo + theory	Peer activity	Simulation	Observation, quiz MCQ, short notes Peer feedback Performance-based evaluation, CIA I
	2	Yoga – definition	1	0.5	K3 (A)	Theory + illustrations	Physical activity	Notes, videos	
	3	Yoga poses for beginners	2	0.5	K3 (A)	Video + demo	Group practice	Yoga tutorials	
	4	Sun Salutation	1	0.5	K3 (A)	Step-wise guidance	Practice routine	Visual guides	
	5	Yoga Nidra – benefits	1	0.5	K3 (A)	Video + reflection	Relaxation techniques	Meditation audio	
IV									
	1	Role of nutrition in fitness	1	0.5	K3 (A)	Chalk & talk + video	Daily tracking	Health apps, readings	Quiz Worksheet Essay Presentation, CIA II
	2	Macronutrients, mindful eating	2	0.5	K3 (A)	Case-based learning	Diet log	Interactive apps	
	3	Balanced diet, overeating	2	0.5	K3 (A)	PPT + debate	Awareness activity	Articles, reports	
	4	Healthy food components, ethics	1	0.5	K3 (A)	Discussion-based	Role play	Diet videos	
V									
	1	Handwashing techniques	1	0.5	K5 (A)	Demo + media	Habit tracker	Hygiene videos	Oral quiz Concept mapping Log submission Worksheet Essay, CIA II
	2	Oral hygiene techniques	1	0.5	K5 (A)	Video + models	Peer explanation	Dental care videos	
	3	Bathing, frequency	1	0.5	K5 (A)	Routine planner	Daily log	Self-care videos	
	4	Hair care methods	2	0.5	K5 (A)	Lecture + role play	Peer sharing	Hair tutorials	
	5	Hygiene, cosmetic use	1	0.5	K5 (A)	Debate + video	Reflective journaling	Online articles	

**Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

**Activities (Em / En /SD):** Develop a training program for healthy eating habits.

**Assignment:** The role of yoga and mindfulness in reducing academic stress (Last date to submit – 11-08-2025)

**Seminar Topics:**

1. The impact of climate change on human health
2. Healthy eating habits for a sustainable future
3. Sustainable living practices for a healthier environment.

**Sample questions (minimum one question from each unit)**

**Part A (1 mark)**

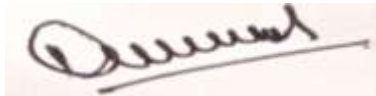
1. What is the term for a state of complete physical, mental, and social well-being? (K1 (R), CO1)  
A. Fitness B. Health C. Wellness D. Exercise
2. What type of exercise helps calm the mind and reduce stress? (K2 (U), CO2)  
A. Running B. Breathing C. Weightlifting D. Swimming
3. What is a physical practice that combines poses, breathing, and meditation? (K3 (A), CO3)  
A. Yoga B. Pilates C. Running D. Swimming
4. What type of nutrient provides energy for the body? (K3 (A), CO5)  
A. Protein B. Fat C. Carbohydrate D. Vitamin
5. What is the practice of cleaning teeth with a brush and toothpaste? (K5 (A), CO4)  
A. Brushing B. Flossing C. Rinsing D. Mouthwash

**Part B (3 marks)**

1. What is the definition of health? (K1 (R), CO1)
2. What are the benefits of mindfulness? (K2 (U), CO2)
3. What is yoga? (K3 (A), CO3)
4. What is the role of nutrition in fitness? (K3 (A), CO5)
5. What are the benefits of good oral hygiene? (K5 (A), CO4)

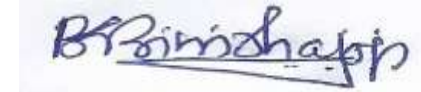
**Part C (7 marks)**

1. Explain how exercise can impact mental and physical health. (K1 (R), CO1)
2. Discuss the benefits in reducing stress and improving mental clarity. (K2 (U), CO2)
3. Explain the concept of yoga and its benefits, including yoga poses (asanas) for beginners. (K3 (A), CO3)
4. Discuss the importance of macronutrients and micronutrients in a balanced diet. (K3 (A), CO5)
5. Describe the benefits of good personal hygiene practices and how they can impact overall health and well-being. (K5 (A), CO4)



**Head of the Department**

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HILLY CROSS COLLEGE (AUTONOMOUS)  
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**Course Instructor**

**Department : Costume Design and Fashion**  
**Class : III B.Sc. Costume Design and Fashion**  
**Title of the Course : Core Course VI: Apparel Export and Trade Documentation**  
**Semester : V**  
**Course Code : DU235CC2**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU235CC2	5	-	-	-	4	5	75	25	75	100

## Learning Objectives

1. To apply the terms and methods in the documentation purpose
2. To understand about the license procedure, pre-shipment charges and transaction

## Course Outcomes

CO No.	On the successful completion of the course, students will be able to:	CL ( <i>Cognitive Level</i> )	PSO Addressed
CO1	Find the details of export marketing and its function	K1 & K2 (R, U)	PSO1
CO2	Apply the export policies in India	K3 (A)	PSO2
CO3	Plan and analyse the export marketing behaviours	K4 (An)	PSO3
CO4	Evaluate the function of shipment process in export marketing	K5 (E)	PSO4
CO5	Create and propose the export procedure and documentation	K6 (C)	PSO5

## Teaching plan

**Total Contact hours\*: 75 (Including lectures, assignments and tests)**

Unit	Module (Minimum 5 to Maximum 10 modules)	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
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	are permitted)								
I									
	1	Export marketing - Definition, Features	3	-	K1 & K2 (R, U)	Lecture with PPT, Videos	Active learning, creativity	Video lectures, Notes	Concept explanations MCQ, True/False, Short essays Concept explanations, CIA I
	2	Importance of Export Marketing	3	-	K1 & K2 (R, U)	Lecture with PPT, Videos	Real-world applications	Articles, Simulations	
	3	Domestic vs. Export Marketing	3	-	K1 & K2 (R, U)	Lecture, Visual aids	Innovation, discussion	Slides, Articles	
	4	Problems faced by Indian Exporters	3	-	K1 & K2 (R, U)	Videos, Lecture	Case-based learning	PPT, Notes	
	5	WTO: Objectives & Functions	3	-	K1 & K2 (R, U)	Visual Aids, Lecture	Real-world examples	Simulations	
II									
	1	AEPC’s functions	4	-	K3 (A)	Chalk & Talk, PPT	Hands-on learning	Articles, Notes	MCQ, Short essay Concept explanations, Test, CIA I True/False, Short essay
	2	Export Entitlement Policy	4	-	K3 (A)	PPT, Online Tools	Design thinking	Slides, Articles	
	3	AEPC’s promotional activities	4	-	K3 (A)	PPT, Online Resources	Group work	Notes, Articles	
	4	EXIM Policies & Marine Insurance	4	-	K3 (A)	Lecture, PPT	Case discussions	Articles, Simulations	
III									
	1	Cash Compensatory Support	3	-	K4 (An)	Visual aids, Discussion	Problem solving	Slides, Notes	Concept explanation MCQ, Short test Short test, Essay CIA I
	2	Market Development Assistance	3	-	K4 (An)	Lecture, Case study	Problem-based learning	Articles, PPT	
	3	Market Access Initiative	3	-	K4 (An)	Chalk & Talk, Videos	Collaborative learning	Videos, Slides	
	4	100% Export Oriented Units	3	-	K4 (An)	PPT, Online Resources	Presentations	Notes, Articles	
	5	Free trade zone, Duty drawback	3	-	K4 (An)	PPT, Discussions	Design thinking	PPT, Articles	

<b>IV</b>									
	1	Export Finance – Meaning	4	-	K5 (E)	Lecture, PPT	Case-based learning	Articles, Notes	Essays Concept explanation Short test, Essay MCQ, CIA II
	2	Pre/Post-Shipment Finance	4	-	K5 (E)	Chalk & Talk	Real-world applications	Slides, Videos	
	3	EXIM Bank – Objectives & Functions	4	-	K5 (E)	Visual aids, Videos	Problem solving	PPT, Notes	
	4	ECGC – Objectives & Functions	4	-	K5 (E)	Chalk & Talk, PPT	Group work	Notes, Articles	
<b>V</b>									
	1	Export Procedure	3	-	K6 (C)	Lecture, PPT	Peer-to-peer learning	Notes, Videos	Essay, Test MCQ, Concept Explanation, True/False, Concept test, CIA II
	2	Documentation – Registration	3	-	K6 (C)	Lecture, Videos	Group discussions	Slides, Simulations	
	3	Pre-, Shipment, Post-stages	3	-	K6 (C)	Chalk & Talk	Presentations	Notes, PPT	
	4	Commercial Documents	3	-	K6 (C)	Lecture, Visual Aids	Design tasks	Articles, Videos	
	5	Importance of Warehousing	3	-	K6 (C)	PPT, Videos	Real-world application	Notes, Simulations	

## **Course Focussing on Employability/ Entrepreneurship/ Skill Development:**

**Activities (Em / En /SD):** Industrial visits to textile units

**Assignment:** Prepare a comprehensive export plan for an Indian textile product of your choice (Last date to submit – (08-08-2025)

### **Seminar Topics:**

1. Export marketing strategies for Indian textiles
2. Sustainability in the textile industry
3. Emerging trends in export marketing and trade policies
4. Role of WTO in promoting international trade

### **Sample questions (minimum one question from each unit)**

#### **Part A (1 mark)**

6. The Indian garment -----industry is at the threshold of dramatic and far-reaching changes. Garments (K1 (R), CO1)  
A)Export      B) Promoting    C)Trade
7. -----provides invaluable assistance to Indian garment exporters as well as international buyers. (K3 (A), CO2)  
A) AEPC      B) AETD      C) Disha
8. ----- is an essential document for claiming duty drawback. (K4 (An), CO3)  
A) Duty Drawback    B) Free Trade    C) Shipping Bill
9. The EXIM Bank was set up in ----- (K5 (E), CO4)  
A) 1986      B) 1982      C)1863
10. The ----- stage of export involves activities like finding buyers and securing payment arrangements. (K6 (C), CO5)  
A) Registration      B) Pre-shipment      C) Post-shipment

#### **Part B (3 marks)**

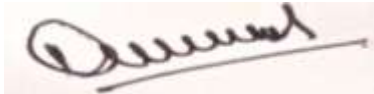
1. Define Export Marketing? (K1 (R), CO1)
2. Define AEPC. (K3 (A), CO2)
3. What is Free Trade Zone? (K4 (An), CO3)
4. Write about the functions of EXIM Bank. (K5 (E), CO4)



5. Write about the facilities available for garment exporters. (K6 (C), CO5)

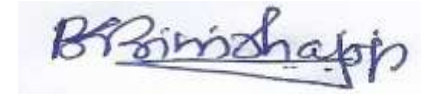
**Part C (7 marks)**

1. Explain in detail about the Export Marketing of apparel. (K1 (R), CO1)
2. Write about the policy of export promotional activities of AEPC. (K3 (A), CO2)
3. Write in detail about the Duty Drawback system. (K4 (An), CO3)
4. What are the types of Export Finance? (K5 (E), CO4)
5. Explain in detail about the Importance of Warehousing. (K6 (C), CO5)



**Head of the Department**

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**Course Instructor**

**SEMESTER IV**  
**CORE LAB COURSE IV: CONSTRUCTION OF MEN'S WEAR**

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
<b>DU244CP1</b>	-	-	3	-	3	3	75	25	75	100

**Pre-requisite**

Basic knowledge in Textile Testing and Quality Control

**Learning Objectives**

- 1.To identify the type of fibres.
- 2.To test the yarn count and fabric count.

**Course Outcomes**

<b>On the successful completion of the course, students will be able to:</b>		
1	illustrate various silhouette and designs for men's wear garments.	<b>K1</b>
2	select the necessary tools and equipments for sewing the garments.	<b>K2</b>
3	develop patterns for men's wear garments	<b>K3 &amp;K4</b>
4	assume the measurement given in the instruction.	<b>K5</b>
5	construct garments based on the measurement by using sewing machine.	<b>K6</b>

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

**Teaching Plan**

**Total Hours = 75**

Unit	Topic	Teaching Hours	Assessment Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
1	<b>Slack Shirt</b> – Open Collar, Patch Pocket, Half Sleeve	6	3	K1, K2 & K3	Experiential Learning, Demonstration and Practice	Think, discuss and share, peer learning, Quiz	Video (You tube), Google notes, Interactive PPT	Written Assignment Written Presentation
	<b>T – Shirts</b> – Front Half Open, Zip Attached, With or Without Collar.	6						
2	<b>Full Sleeve Shirt</b> – Open Collar, Patch Pockets, Full Sleeve with Cuff	6	3	K4 & K6	Project-Based Learning , Collaborative Learning	Inquiry based learning	Quiz (LMS), Demonstration & Discussion	Display the designed samples



**Department** : Costume Design and Fashion  
**Class** : III B.Sc. Costume Design and Fashion  
**Title of the Course** : Discipline Specific Elective I: A) Technical Textile  
**Semester** : V  
**Course Code** : DU235DE1

Course Code	L	T	P	S	Credits	Inst. Hours	Total Hours	Marks		
								CIA	External	Total
DU235DE1	3	1	-	-	3	4	60	25	75	100

### Learning Objectives

1. To acquire knowledge in technical textile.
2. To develop an understanding of fiber in technical textile.

### Course Outcomes

CO No.	Course Outcomes On the successful completion of the course, students will be able to:	Cognitive Level	PSO Addressed
CO1	Understand the characteristics of technical textiles and their types	K1 (R)	PSO1
CO2	Discover the properties of technical textiles and their classifications	K2 (U)	PSO2
CO3	Interpret and apply the areas of application of technical textiles	K3 (A)	PSO3
CO4	Analyse and evaluate technical textile concepts and functionalities	K4 (An), K5 (E)	PSO4
CO5	Create new concepts in the development of technical textile-based garments	K6 (C)	PSO5

## Teaching plan

**Total Contact hours\*: 90 (Including lectures, assignments and tests)**

Unit	Module (Minimum 5 to Maximum 10 modules are permitted)	Topic	Teaching Hours	Cognitive level	Pedagogy	Student Centric Method	E-Resources	Assessment/ Evaluation Methods
I								
	1	Technical Textiles: Definition, Scope, Categories	2	1	K1 (R), CO1	PPT, Video Lecture	Active learning, innovation	Notes, Videos Simulations Videos, Articles PPT, Notes Videos
	2	Industrial Textiles: Fibres – Functions and Properties	2	1	K1 (R), CO1	Chalk & Talk, PPT	Real-world application	
	3	Introduction to Coated Fabrics – Direct & Indirect Methods	3	1	K1 (R), CO1	PPT, Visuals	Innovation	
	4	Lamination Methods: Flame Bonding, Adhesive Lamination	3	1	K1 (R), CO1	Lecture + Demo	Concept Mapping	
	5	Applications of Coated & Laminated Textiles	2	1	K1 (R), CO1	Visual Aids	Critical Thinking	
II								
	1	Medical Textiles Classification	3	1	K2 (U), CO2	Chalk & Talk, PPT	Hands-on learning	Slides, Articles Videos Simulations Notes, CIA I
	2	Medical Textile Fibres Used	3	1	K2 (U), CO2	Lecture, Visual Aids	Design Thinking	
	3	Properties of Medical Textiles	3	1	K2 (U), CO2	PPT, Online	Problem- solving	

	4	Medical Products: Properties & Functions	3	1	K2 (U), CO2	Lecture, Visuals	Critical Analysis	
III								
	1	Geo Textiles: Fibres, Functions (Separation, Filtration, Drainage)	4	1	K3 (A), CO3	PPT, Lecture	Collaborative learning	Videos, Notes Slides Articles Simulations Videos, CIA I
	2	Reinforcement Textiles: Agriculture, Electronics, Banners	3	1	K3 (A), CO3	Visuals, Videos	Group Presentation	
	3	Textile Reinforced Products: Bags, Sheets	2	1	K3 (A), CO3	Lecture + Discussion	Real-world examples	
	4	Pack-tech: Oil-Spill Control, Canvas, Tarpaulins	2	1	K3 (A), CO3	PPT, Lecture	Problem solving	
	5	Ropes, Nets, Furnishing Applications	1	1	K3 (A), CO3	Lecture	Peer Learning	
IV								
	1	Automotive Textiles: Fibres Used	3	1	K4 (An), CO4	Lecture, PPT	Design Challenges	Videos Simulations Slides Notes, CIA II
	2	Safety Devices	3	1	K4 (An), CO4	PPT + Case Study	Innovation	
	3	Airbags: Materials & Fabric Types	3	1	K5 (E), CO4	Visual Lecture	Problem Solving	
	4	Seat Belts: Types, Fabrics	3	1	K5 (E), CO4	Lecture + Visuals	Application Based	
V								
	1	Productive Textiles: Bulletproof Fabrics	2	1	K6 (C), CO5	Lecture + PPT	Group Work	Videos Notes Simulations Slides Videos. CIA II
	2	Fire Retardant & High Temp Fabrics	3	1	K6 (C), CO5	Lecture + Videos	Peer-to-peer learning	
	3	High Visibility Clothing: Fibres Used	2	1	K6 (C), CO5	PPT, Videos	Critical Thinking	
	4	High Visibility: Properties of Fabrics	2	1	K6 (C), CO5	Visual Learning	Innovation	

	5	Smart & Intelligent Textiles	3	1	K6 (C), CO5	Lecture + Case Studies	Group Discussion	
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### Course Focussing on Employability/ Entrepreneurship/ Skill Development:

**Activities (Em / En /SD):** Industrial visits to textile manufacturing units

**Assignment:** Analyse the Scope and Entrepreneurial Potential of Technical Textiles in India with Reference to Emerging Markets and Sustainability Trends (Last date to submit – 11-08-2025)

### Seminar Topics:

1. Sustainable technical textiles
2. green textile technologies
3. Environmental impact of technical textiles
4. Innovations and applications of technical textiles
5. technical textiles: Opportunities and challenges

### Sample questions (minimum one question from each unit)

#### Part A (1 mark)

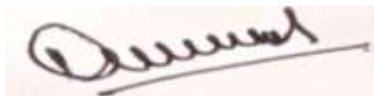
11. Technical textiles are used in the field of ..... (K1(R), CO1)  
A. Roads    B. Hospitals    C. Defence    D. All The Above
12. Collagen is obtained from..... (K2(U), CO2)  
A. Cow Skin    B. Bovine Skin    C. Rat Skin    D. Chemical
13. Carpets, seat covers, seat belts are used as..... (K3(A), CO3)  
A. Aero Space    B. Shipping    C. Automotives    D. Apparels
14. Technical materials and products manufactured for their technical purpose is..... (K4(An), CO4)  
A. Technical Textiles    B. Smart Textiles    C. Intelligent Textiles    D. Bio-textiles
15. ....garments were used as reusable garments. (K6(C), CO5)  
A. PVC    B. Butyl Rubber    C. Viton    D. All The Above

### **Part B (3 marks)**

1. What is the definition of technical textiles? (K1(R), CO1)
2. Explain about sutures. (K2(U), CO2)
3. Write about the safety devices? (K3(A), CO3)
4. Define geo textiles? Write about the fibers used. (K4(An), CO4)
5. Write about UV protective fabrics? (K6(C), CO5)

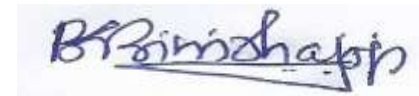
### **Part C (7 marks)**

1. Define Technical Textiles? Explain about its application in detail. (K1(R), CO1)
2. What are non-implantable textile materials? Write on bandages and its types. (K2(U), CO2)
3. Explain the role of polypropylene in geotextiles. (K3(A), CO3)
4. Write in detail about materials used and types of fabric for seatbelts and airbags. (K4(An), CO4)
5. Explain in detail about bullet proof fabrics. (K6(C), CO5)



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**Course Instructor**