

# CAUVERY COLLEGE FOR WOMEN(AUTONOMOUS)

Nationally Accredited with (IV)th Cycle 'A+' Grade by NAAC

TIRUCHIRAPPALLI

DEPARTMENT OF FASHION TECHNOLOGY & COSTUME DESIGNING



**B.SC. FASHION TECHNOLOGY & COSTUME DESIGNING**

**2026 -2027 and Onwards**

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)**

**DEPARTMENT OF FASHION TECHNOLOGY & COSTUME DESIGNING**

**VISION**

To create an Ambience for a quality academic erudition which drives technologically adept, innovative and globally competent graduates with ethical values.

**MISSION**

- To have a breadth of knowledge across the subject areas of fashion technology and costume designing.
- To professionally enrich the students for successful career in Academia, Industry and Research.
- To promote and inculcate self-reliance, social relevance, sound value system and code of professional practice among students.

**PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

PEOs	Statements
<b>PEO1</b>	<p><b>LEARNING ENVIRONMENT</b></p> <p>To facilitate value-based holistic and comprehensive learning by integrating innovative learning practices to match the highest quality standards and train the students to be effective leaders in their chosen fields.</p>
<b>PEO1</b>	

<p><b>PEO2</b></p>	<p><b>ACADEMIC EXCELLENCE</b></p> <p>To provide a conducive environment to unleash their hidden talents and to nurture the spirit of critical thinking and encourage them to achieve their goal.</p>
<p><b>PEO3</b></p>	<p><b>EMPLOYABILITY</b></p> <p>To equip students with the required skills in order to adapt to the changing global scenario and gain access to versatile career opportunities in multidisciplinary domains.</p>
<p><b>PEO4</b></p>	<p><b>PROFESSIONAL ETHICS AND SOCIAL RESPONSIBILITY</b></p> <p>To develop a sense of social responsibility by formulating ethics and equity to transform students into committed professionals with a strong attitude towards the development of the nation.</p>
<p><b>PEO5</b></p>	<p><b>GREEN SUSTAINABILITY</b></p> <p>To understand the impact of professional solutions in societal and environmental contexts and demonstrate the knowledge for an overall sustainable development.</p>

**PROGRAMME OUTCOMES FOR B.Sc. FASHION TECHNOLOGY &  
COSTUME DESIGNING**

<b>PO NO</b>	<b>On completion of B.Sc., Fashion technology and costume designing Programme, the students will be able to</b>
<b>PO 1</b>	Academic Excellence and Competence: Elicit firm fundamental knowledge in theory as well as practical for coherent understanding of academic field to pursue multi and interdisciplinary science careers in the future.
<b>PO 2</b>	Holistic and Social approach: Create novel ideas related to the scientific research concepts through advanced technology and sensitivity towards sustainable environmental practices as well as social issues.
<b>PO 3</b>	Professional ethics and Teamwork: Explore professional responsibility through projects, internships, field trips/industrial visits and mentorship programmed to transmit communication skills.
<b>PO 4</b>	Critical and Scientific thinking: Equip training skills in Internships, Research Projects to do higher studies in multidisciplinary paths with a higher level of specialization to become professionals of high - quality standards.
<b>PO 5</b>	Social Responsibility with ethical values: Ensure ethical, social and holistic values in the minds of learners and attain gender parity for building a healthy nation.

**PROGRAMME SPECIFIC OUTCOMES FOR  
B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING**

<b>PSO NO.</b>	<b>The students of B.Sc. Fashion Technology &amp; Costume Designing will be able to</b>	<b>POs Addressed</b>
<b>PSO 1</b>	Graduate Will Be Able to Conceptualize; Design and Construct a Variety of Garments Using Draping and Sewing Techniques Tailored to Diverse Client and Market Needs.	PO1
<b>PSO 2</b>	Plan and Execute Apparel Production and Manufacturing Process, From Sourcing Raw Materials to Garment Finishing, Including Quality Control.	PO2, PO3
<b>PSO 3</b>	Develop Professional Portfolios That Effectively Showcase Creative and Technical Skills and Present Design Concepts Confidently to Clients, Employers or In Academic Forums.	PO4, PO3
<b>PSO 4</b>	Develop and Understanding of Sustainable Practices in The Fashion Industry, Including Eco-friendly Materials, Ethical Sourcing and Responsible Production Process.	PO2, PO5
<b>PSO 5</b>	Gain Proficiency in Pattern Making, Drafting and Garment Construction Techniques, Including Both Traditional and Digital Methods.	PO1, PO3



**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)**

**DEPARTMENT OF FASHION TECHNOLOGY AND COSTUME DESIGNING**

**CHOICE BASED CREDIT SYSTEM-LEARNING OUTCOME BASED CURRICULUM FRAMEWORK (CBCS - LOCF)**

(For the candidates admitted from the academic year 2026-2027 and onwards)

Semester	Part	Course	Course Title	Course Code	Inst. Hrs. /	Credits	Exam			Total	
							Hrs.	Marks			
								Int	Ext		
I	I	Ability Enhancement Course – I (AEC - I)	Podhu Tamil - I	26ULT1	6	3	3	30	70	100	
			Sanskrit Prose and Vocabulary	26ULS1							
			Hindi Language and Literature - I	26ULH1							
			Basic French - I	26ULF1							
	II	Ability Enhancement Course – II (AEC - II)	General English - I	26UE1	6	3	3	30	70	100	
	III	Core Course – I(CC-I)	Introduction To Fashion Designing	26UFT1CC1	5	5	3	30	70	100	
			Core Practical - I (CP-I)	Fashion Illustration -Practical	26UFT1CP1	3	3	3	40	60	100
			Allied Course- I (AC-I)	Textile Science	26UFT1AC1	3	3	3	30	70	100
			Allied Course Practical-I (ACP-I)	Fashion Designing - Practical	26UFT1ACP1	3	3	3	40	60	100
	IV	Ability Enhancement Compulsory Course-I (AECC-I)	Value Education	26UGVE	2	2	-	100	-	100	
			Ability Enhancement Compulsory Course-II (AECC-II)	Cyber Security	26UGCS	2	2	-	100	-	100
	<b>Total</b>					<b>30</b>	<b>24</b>				<b>80</b>
II	I	Ability Enhancement Course – III (AEC - III)	Podhu Tamil - II	26ULT2	6	3	3	30	70	100	
			Sanskrit Poetry and Grammer - I	26ULS2							
			Hindi Language and Literature - II	26ULH2							
			Basic French - II	26ULF2							
	II	Ability Enhancement Course – IV (AEC - IV)	General English - II	26UE2	6	3	3	30	70	100	
	III	Core Course – II (CC-II)	Fabric Structure and Design	26UFT2CC2	5	5	3	30	70	100	
			Core Practical - II (CP-II)	Fabric Structure and Design - P	26UFT2CP2	3	3	3	40	60	100
			Allied Course- II (AC-II)	Garment Manufacturing Technology	26UFT2AC2	3	3	3	30	70	100
			Allied Course Practical-I(ACP-II)	Sewing Techniques -Practical	26UFT2ACP2	3	3	3	40	60	100
	IV	Ability Enhancement Compulsory Course-III (AECC-III)	Environmental Science	26UGES	2	2	-	100	-	100	
			Ability Enhancement Compulsory Course-IV	Innovation and Entrepreneurship	26UGIE	2	2	-	100	-	100

(AECC-IV)											
Extra Credit Course		SWAYAM		As per UGC Recommendation							
<b>Total</b>				<b>30</b>	<b>24</b>						<b>80</b>
III	I	Ability Enhancement Course – V (AEC - V)	Podhu Tamil - III	26ULT3	6	3	3	30	70	10	10
			Sanskrit Didactics, Alankara and Grammer - II	26ULS3							
			Hindi Language and Literature - III	26ULH3							
			Intermediate French - I	26ULF3							
	II	Ability Enhancement Course – VI (AEC - VI)	Learning Grammar Through Literature - I	26UE3	6	3	3	30	70	10	10
	III	Core Course–III (CC-III)	Wet Processing	26UFT3CC3	6	5	3	30	70	10	10
		Core Practical -III(CP-III)	Wet Processing - Practical	26UFT3CP3	3	3	3	40	60	10	10
		Allied Course- III (AC-III)	Indian Textile & Embroidery	26UFT3AC3	4	3	3	30	70	10	10
		Allied Course Practical-III (ACP-III)	Basic & Traditional Embroidery- Practical	26UFT3ACP3	3	3	3	40	60	10	10
	IV	Interdisciplinary Course- I (ID-I)	Introduction to NCC@	26UNC3ID1	2	2	2	-	100	10	10
Hand Embroidery -Practical			26UFT3IDP1	3			40	60			
Basic Tamil – I			26ULC3BT1	30			70				
Special Tamil – I			26ULC3ST1								
Ability Enhancement Compulsory Course-V (AECC-V)		Health and Wellness *	26UGHW	2*	1	-	100	-	10	10	
Extra Credit Course #		SWAYAM		As per UGC Recommendation							
<b>Total</b>				<b>30</b>	<b>23</b>						<b>80</b>

IV	I	Ability Enhancement Course – VII (AEC - VII)	Podhu Tamil - IV	26ULT4	6	3	3	30	70	100	
			Sanskrit Drama and Grammar - III	23ULS4							
			Hindi Language and Literature - IV	26ULH4							
			Intermediate French - II	26ULH4							
	II	Ability Enhancement Course – VIII (AEC - VIII)	Learning Grammar Through Literature - II	26UE4	6	3	3	30	70	100	
	III	Core Course – IV(CC-IV)	Fashion Clothing Psychology	26UFT4CC4	5	5	3	30	70	100	
			Core Practical - IV(CP-IV)	Children's Wear- Practical	26UFT4CP4	3	3	3	40	60	100
			Allied Course- IV (AC-IV)	Marketing & Merchandising	26UFT4AC4	3	3	3	30	70	100
	IV	Allied Course Practical-IV (ACP-IV)	Computer Aided Designing- Practical	26UFT4ACP4	3	3	3	40	60	100	
			Interdisciplinary Course- II (ID-II)	Specialization in Army@	26UNC4ID2	2	2	2	-	100	100
	Accessories Making- Practical	26UFT4IDP2	3	40	60						
	Basic Tamil – II	26ULC4BT2									
	Special Tamil – II	26ULC4ST2									
	IV	Skill Enhancement Course – I (SEC-I)	Painting Techniques - P	26UFT4SEP1	2	2	3	40	60	100	
Extra Credit Course #			SWAYAM	As per UGC Recommendation							
<b>Total</b>				<b>30</b>	<b>24</b>				<b>800</b>		

**30 Days INTERNSHIP during Semester Holidays**

V	III	Core Course – V(CC-V)	Boutique Management	26UFT5CC5	6	5	3	30	70	100	
			Core Course – VI (CC-VI)	Textile Testing	26UFT5CC6	6	5	3	30	70	100
			Core Practical- V(CP-V)	Textile Testing- Practical	26UFT5CP5	3	3	3	40	60	100
			Core Practical – VI(CP-VI)	Draping- Practical	26UFT5CP6	3	3	3	40	60	100
			Internship *	Internship	26UFT5INT	-	2	-	20	80	100
			Discipline Centric Elective Course– I (DCEC-I)	A. Fashion Merchandising and Marketing	26UFT5DCE1A	5	4	3	3	0	70
	B. Export Documentation	26UFT5DCE1B									
	C. Visual Merchandising	26UFT5DCE1C									
	Discipline Centric Elective Course– II (DCEC-II)	A. Fabric Care	26UFT5DCE2A	5	4	3	30	70	100		
		B. Apparel Costing	26UFT5DCE2B								
		C. Fashion Photography	26UFT5DCE2C								
	IV	Ability Enhancement Compulsory Course-VI(AECC-VI)	Introduction to Disaster Management	26UGDM	2	2	-	100	-	100	
	Extra Credit Course #			SWAYAM	As per UGC Recommendation						
	<b>Total</b>				<b>30</b>	<b>28</b>				<b>800</b>	
	Core Course – VII(CC-VII)	Quality & Cost Control	26UFT6CC7	6	5	3	30	70	100		

VI	III	Core Course – VIII(CC-VIII)	Home Science	26UFT6CC8	5	5	3	30	70	100
		Core Practical –VII(CP-VII)	Adult Garment- Practical	26UFT6CP7	3	3	3	40	60	100
		Core Practical –VIII(CP-VIII)	Fashion Portfolio - Practical	26UFT6CP8	3	3	3	40	60	100
		Discipline Centric Elective Course– III (DCEC-III)	A. Textile management	26UFT6DC E3A	5	4	3	30	70	100
			B. Jewelry Designing	26UFT6DC EP3B				40	60	
			C. Interior Design	26UFT6DC E3C						
	Project	Project Work	26UFT6PW	5	3	-	20	80	100	
	IV V	Skill Enhancement Course – II (SEC-II)	Professional Competency- General Studies for Competitive Examinations	26UFT6SE2	2	2	2	-	100	100
		Ability Enhancement Compulsory Course-VII (AECC-VII)	Gender Studies	26UGGS	1	1	-	100	-	100
		Extension Activity *		26UGEA	-	1	-	-	-	-
<b>Total</b>				<b>30</b>	<b>27</b>				<b>800</b>	
<b>Grand Total</b>				<b>180</b>	<b>150</b>				<b>4800</b>	

- @ NCC is one of the choices in GEC. Only the NCC cadets are eligible to chooses this course. However, NCC Course is a Compulsory Course for the NCC Cadets. If the Cadet has not studied Tamil in the school level, she has to take Basic Tamil Course.
- \*Shall be outside instruction hours
- # Should complete a minimum of one Extra Credit Course from Semester II onwards

SEMESTER: I	INTERNAL MARK: 30		EXTERNAL MARK: 70	
COURSE CODE	COURSE TITLE	CATEGORY	HOURS / WEEK	CREDITS
26UFT1CC1	INTRODUCTION TO FASHION DESIGNING	CC	5	4

### COURSE OBJECTIVES

- Explain basic knowledge about fashion concepts and fashion cycles.
- Identify colour theories to create fashion garments.
- Understand about the scope and career opportunities in fashion industry.

S.NO	Course features	Relevance status
1.	Course emphasis on Employability/Entrepreneurship/Skill Development	Employability/ Entrepreneurship/Skill development
2.	Course Integrates cross cutting issues relevant to professional Ethics/Gender sensitization/Environment and Sustainability/Human Values/Indian Knowledge System	Environment /sustainability
3.	Course relevant to local/regional/National/Global needs	Global need
4.	Course focus on sustainable Developmental Goals	1,5,11

### COURSE OUTCOMES AND COGNITIVE LEVEL

CO Number	Course Outcome	Cognitive Level
CO1	Defining the basic concepts of designs and identify the terms related to fashion design.	K1
CO2	Understanding on elements and principles of design.	K2
CO3	Implementing technical details to produce accurate technical.	K3
CO4	Mind mapping effectively in design terms and manage time, resources, and project tasks within deadlines.	K4
CO5	Arguing recent fashion trend.	K5

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	2	2	1	2	3	1	2
CO2	2	1	2	2	1	2	3	3	2	2
CO3	3	2	3	3	1	1	3	1	3	2
CO4	3	2	2	2	3	2	1	2	2	2
CO5	3	1	2	1	2	3	2	2	3	3

## Mapping of CO With PO and PSO

“1”-Slight (Low) Correlation

“3” –Substantial (High) Correlation

“2”-Moderate (Medium) Correlation

“-” - Indicates there Is no Correlation

### SYLLABUS

UNIT	CONTENT	HOURS	COs	COGNITIVE LEVEL
I	<b>FASHION DESIGNING CONCEPTS:</b> Origin of Fashion, Meaning of Fashion Design and Classification, Influence and Present Structure of Fashion Industry. Recent Trends in Fashion.	15	CO1 CO2	K1 K2
II	<b>THEORIES OF FASHION &amp; FASHION TERMINAOLGY:</b> Elements of Fashion process: Fashion cycles, Fashion theories and terminologies. Evolution- with examples from different eras till French revolution.	15	CO1 CO3 CO5	K1 K2 K3
III	<b>ELEMENTS OF DESIGN AND PRINCIPLES OF DESIGN:</b> Design Definition & its types -Structural design, decorative design, basic silhouette. Elements of Design (point, line, form, shape, space, size, texture and colour), Principles of Design – (harmony, proportion, balance, rhythm and emphasis).	15	CO1 CO2 CO3 CO4 CO5	K1 K2 K3 K4 K5
IV	<b>COLOUR:</b> Introduction to colour, colour wheel (Prang &Munsell system) Properties and qualities of colour, colour scheme Theories of colour harmony, colour and garment (women, men and children), colour selection (Seasonal Colours). Principles & Procedure of combining colour.	15	CO1 CO2	K1 K2
V	<b>CAREER IN FASHION:</b> Scope of Fashion business, career in Fashion Designing, Retailing, Fashion Modelling, Manufacturing, Residential Buying office, Fashion service organizations, Freelancing.	15	CO1 CO3 CO4 CO5	wK2 K3 K4 K5
VI	<b>Self-Study for Enrichment</b> <b>(Not included for End Semester Examinations)</b>  Fashion fundamentals (colour theory) and keep up with current fashion trends. Fashion terminology different eras till French revolution. Fashion career in modelling, designing, freelancing.	-	-	-

## **TEXT BOOKS:**

1. Aita Tyagi, (2012), —History of fashion design, First Edition, Sonali publication 2012.
2. Anmol Roy, (2011), —Fashion Designing and technology, First Edition, Sonali publication 2011.
3. Pushpanjali, (2022), —Elements of Fashion and textile design, Pratham publication 2022.
4. Anita Tyagi, (2015), —Hand book of fashion technology, Sonali publication 2015.

## **REFERENCES:**

1. Bride M Whelan, " Colour Harmony" Rockford Publishers, 1992.
2. Chijiwa, Hideaki, "Colour Harmony", Rock fort Publishers, USA, 10111 edition I 1992.
3. Suzanne G. Marshall, Hazel O. Jackson M. Sue Stanley, Mary Kefgen, Individuality in Clothing Selection and Personal Appearance, Phullis Touchie Spent, New Jersey, 2000
4. V.D. Dudeja, Professional Management of Fashion Industry, Gagandeep Publications, New Delhi, 2005.
5. Kitty G. Dickerson, Inside the Fashion Business, Pearson Education, Singapore, 2003.
6. Kathryn Mokelvey, Janine Munslow, Fashion Design Process, Innovation and Practice, Black Well Science Ltd, U.K, 2005.
7. Elements of fashion and apparel design G.J. Sumathi
8. Elements of fashion and apparel design Sumathi 81-224-1371-4
9. FASHION: Elements and Principles of Design by Miss. Sacco (prezi.com).

**WEB REFERENCE:**

1. <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U7 0Z/CQ>
2. <https://www.masterclass.com/articles/elements-of-design-explained>
3. <https://www.toptal.com/designers/ui/principles-of-design>
4. <https://99designs.com/blog/tips/the-7-step-guide-to-understanding-color-theory/>
5. <https://www.masterclass.com/articles/fashion-cycle-explained>

**PEDAGOGY**

Chalk & Talk, Power Point Presentation, Discussion, Assignment, Quiz and Seminar.

**COURSE DESIGNER**

C. Jenitta, Assistant Professor, Department of Fashion Technology and Costume Designing, Cauvery College for Women (Autonomous).

<b>SEMESTER: I</b>	<b>INTERNAL MARK: 40</b>		<b>EXTERNAL MARK: 60</b>	
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CATEGORY</b>	<b>HOURS / WEEK</b>	<b>CREDITS</b>
<b>26UFT1CP1</b>	<b>FASHION ILLUSTRATION – PRACTICAL</b>	<b>CP</b>	<b>3</b>	<b>3</b>

#### COURSE OBJECTIVES

- Understand about human anatomy.
- Acquire skills in delineating human body sketching.
- Illustrate Croque and add dresses with suitable accessories

<b>S.NO</b>	<b>Course features</b>	<b>Relevance status</b>
1.	Course emphasis on Employability/Entrepreneurship/Skill Development	Entrepreneurship/Skill development
2.	Course Integrates cross cutting issues relevant to professional Ethics/Gender sensitization/Environment and Sustainability/Human Values/Indian Knowledge System	Employability
3.	Course relevant to local/regional/National/Global needs	Global need
4.	Course focus on sustainable Developmental Goals	SDG8,12

#### COURSE OUTCOMES AND COGNITIVE LEVEL

<b>CO Number</b>	<b>Course Outcome</b>	<b>Cognitive Level</b>
<b>CO1</b>	Selecting design ideas effectively through visual storytelling and illustrative techniques.	K1
<b>CO2</b>	Render different types of garments (tops, skirts, pants, dresses) with clarity and precision on fashion figures.	K2
<b>CO3</b>	Apply shading, textures, and colour rendering techniques using various media (pencil, markers).	K3
<b>CO4</b>	Illustrate fashion figures using accurate human anatomy and proportion guidelines (8-head and 10-head croquis).	K4
<b>CO5</b>	Create consistency, neatness, and originality in practical assignments and assessments.	K5

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	1	1	3	1	2	3	2
CO2	1	2	2	3	2	3	3	1	2	3
CO3	1	1	3	2	2	1	2	3	2	2
CO4	3	3	2	3	3	2	3	1	2	3
CO5	2	3	2	2	1	1	3	2	2	1

#### Mapping of CO With PO and PSO

“1”-Slight (Low) Correlation

“3” –Substantial (High) Correlation

“2”-Moderate (Medium) Correlation

“-” - Indicates there Is no Correlation

#### SYLLABUS

<b>List of Practical's</b>
<b>INTRODUCTION TO FASHION ILLUSTRATION:</b> <ol style="list-style-type: none"> <li>1. Free Hand Drawing</li> <li>2. Basics of Shading.</li> </ol>
<b>FASHION FIGURE DRAWING:</b> <ol style="list-style-type: none"> <li>1. 8 Head theory</li> <li>2. 10 Head Theory</li> <li>3. 12 Head Theory.</li> <li>4. Different poses of Fashion Figure (Women, Men and Children).</li> </ol>
<b>FACIAL FEATURE:</b> <ol style="list-style-type: none"> <li>1. Drawing eyes, nose, ears, lips face, and hair styles.</li> <li>2. Sketching of different angles of foot.</li> </ol>
<b>SKETCHING ON BASIC CROQUI:</b> <ol style="list-style-type: none"> <li>1. Necklines, Collars, Sleeves and Cuffs.</li> <li>2. Children's Wear.</li> <li>3. Women's Wear.</li> <li>4. Men's Wear.</li> </ol>

**SKETCHING OF FASHION ACCESSORIES:**

1. Bags, Foot wear, Hats and Ties.
2. Jewelleries- Traditional, Modern and Antique.

**TEXT BOOK:**

1. Tatham Seamas, “fashion design drawing course” 978-0-7641-2473-0

**REFERENCES**

1. Alfred D. Dorkenzio (2001), Fashion Sketching: Drawing the Fashion Figure, Thomas Learning Custom Publishing.
2. Bina Abling (2001), Fashion Rendering with Colours, Prentice Hall, New Jersey.
3. Tatham Seamas, “fashion design drawing course” 978-0-7641-2473-0
4. Fashion Drawing – The Basic Principles, Anne Allen and Julian Seaman, Anova Books.

**WEB REFERENCE**

1. <https://www.udemy.com/learn-to-draw-fashion-with-adobe-illustrator-cc-beginners/?siteID=SAyYsTvLiGQ-uausPN8UukNxyGp.flegTA&LSNPUBID=SAyYsTvLiGQ>

**PEDAGOGY**

Demonstration Method, Hands-on Training, Experiential Learning, Assignment, power point presentation, Mini projects.

**COURSE DESIGNER**

C. Jenitta, Assistant Professor, Department of Fashion Technology and Costume Designing, Cauvery College for Women (Autonomous)

<b>SEMESTER: I</b>	<b>INTERNAL MARK: 30</b>		<b>EXTERNAL MARK: 70</b>	
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CATEGORY</b>	<b>HOURS / WEEK</b>	<b>CREDITS</b>
<b>26UFT1AC1</b>	<b>TEXTILE SCIENCE</b>	<b>AC</b>	<b>3</b>	<b>3</b>

#### COURSE OBJECTIVES

- Study the natural, manmade fibres and their properties.
- Gain knowledge in yarn manufacturing
- Teach different types of fabric weaving methods.

<b>S.NO</b>	<b>Course features</b>	<b>Relevance status</b>
1.	Course emphasis on Employability/Entrepreneurship/Skill Development	sustainability /skill development
2.	Course Integrates cross cutting issues relevant to professional Ethics/Gender sensitization/Environment and Sustainability/Human Values/Indian Knowledge System	Entrepreneurship
3.	Course relevant to local/regional/National/Global needs	Global need
4.	Course focus on sustainable Developmental Goals	SDG1,8,16

#### COURSE OUTCOMES AND COGNITIVE LEVEL

<b>CO Number</b>	<b>Course Outcome</b>	<b>Cognitive Level</b>
<b>CO1</b>	Identify and classify various natural and synthetic textile fibres based on their physical and chemical properties.	K1
<b>CO2</b>	Explain the basic structure, properties, and manufacturing processes of fibres, yarns, and fabrics.	K2
<b>CO3</b>	Analyse fibre behaviour under different mechanical, thermal, and chemical conditions.	K3
<b>CO4</b>	Describe the principles of fabric construction methods, including weaving, knitting, non-wovens, and felting.	K4
<b>CO5</b>	Solving basic textile testing procedures to assess fibre strength, fabric shrinkage, colourfastness, and durability.	K5

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	2	2	3	3	2	3	3
CO2	3	2	2	2	3	3	2	3	3	3
CO3	2	3	3	3	2	2	3	1	2	1
CO4	1	2	1	3	3	1	2	2	2	2
CO5	3	2	3	2	3	3	1	2	2	3

### Mapping of CO With PO and PSO

“1”-Slight (Low) Correlation

“3” –Substantial (High) Correlation

“2”-Moderate (Medium) Correlation

“-” - Indicates there Is no Correlation

### SYLLABUS

UNIT	CONTENT	HOURS	COs	COGNITIVE LEVEL
I	<b>Fiber</b> – Definition, Classification of Fiber. Introduction to Textile Fibers. Physical and Chemical Properties of Fibers and end Uses. Man- Made fibre – Nylon fibre – Polyester fibre – Properties and end Uses.	9	CO1 CO2 CO5	K1 K2 K5
II	<b>Yarn:</b> Types and characteristics of yarns – ply yarns, cable yarns, double yarns and novelty yarns and its types. <b>Yarn manufacturing:</b> Conventional ring spinning method, Modern spinning methods – Passage of material through open end spinning, Friction spinning, Air jet spinning, Twist less spinning. Filament yarn spinning methods wet spinning, dry spinning, and melt spinning.	9	CO1 CO2 CO4 CO5	K1 K2 K4 K5
III	<b>Weaving:</b> Preparation for weaving (warping, sizing, looming) Basic loom structure. Weaving- Definition, Primary motion, Secondary motion and Auxiliary motion. Classification of weaves – plain weave, twill, Satin, sateen& Crepe, dobby and Jacquard.	9	CO1 CO2 CO3 CO4 CO5	K1 K2 K3 K4 K5

IV	<b>Knitting:</b> Knitting – Definition, Difference between woven fabrics and knitted fabric. Classification of knitted fabrics weft knitting – plain knit stitch, Rib stitch, Warp knitting - Tricot knit, Raschel Knit. End uses of Knitted Fabric.	9	CO 1 CO 2 CO 4 CO 5	K1 K3 K4 K5
V	<b>Non-woven fabrics:</b> Non- woven – Definition, classification of non-woven fabrics, web forming techniques, bonding techniques, and finishing techniques. Characteristics of non-woven, uses of non-woven fabrics.	9	CO 2 CO 3 CO 4 CO 5	K2 K3 K4 K5
VI	<b>Self-Study for Enrichment</b> <b>(Not included for End Semester Examinations)</b>  <ul style="list-style-type: none"> <li>● Types of fibres: natural vs. synthetic</li> <li>● Fiber properties: strength, elasticity, moisture regain</li> <li>● Yarn formation: spinning methods, yarn types</li> <li>● Fabric construction: weaving, knitting, nonwovens</li> <li>● Spinning and weaving techniques</li> </ul> Sustainable and eco-friendly textile production	-	-	-

**TEXT BOOK:**

1. Meenakshi Rastogi (2009) fibres and yarn, Sonali Publications, New Delhi.

**REFERENCES:**

1. Corb man B.P Fiber to Fabric, International Students Edition Mc Graw Hill Book Co- Singapore, 2000.
2. Sara J. Radolph and Anna L. Lang Ford, Textiles, Prentice Hall, New York, 2002.
3. Murphy, W.S. (2001), Handbook of weaving, Abhishek publication, Chandigarh.
4. Gokerneshan. N (2009), Weaving Preparation Technology, Abishek Publications, Chandigarh.
5. E.P.G. Gohl, L.D. Velensky, “Textile Science” CBS Publishers and Distributors, 2003
6. Seemasekhri “Fabric science” 978-81-203-4183-8
7. Meenakshi Rastogi (2009) fibres and yarn, Sonali Publications, New Delhi,

**WEB REFERENCE:**

1. <https://www.youtube.com/watch?v=PDuiSnBYCQc>
2. <https://www.youtube.com/watch?v=lGB50nBlAc0>

3. <https://www.textilesphere.com/2020/09/bamboo-fiber.html>
4. <https://ecosilky.com.vn/en/banana-fibre-uses-advantages-and-disadvantages/>

#### **PEDAGOGY**

Chalk & Talk, Discussion, Assignment, Power point presentation.

#### **COURSE DESIGNER**

C. Jenitta, Assistant professor, Department of fashion technology and costume designing, Cauvery college for women (Autonomous).

<b>SEMESTER: I</b>	<b>INTERNAL MARK: 40</b>		<b>EXTERNAL MARK: 60</b>	
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CATEGORY</b>	<b>HOURS / WEEK</b>	<b>CREDITS</b>
<b>26UFT1ACP1</b>	<b>FASHION DESIGNING – PRACTICAL</b>	<b>ACP</b>	<b>3</b>	<b>3</b>

#### COURSE OBJECTIVES

- To know the structural and Decorative Designs.
- To Gain knowledge about the elements of arts and principles of design applied in different area.
- To design the garment for unusual figures.

<b>S.NO</b>	<b>Course features</b>	<b>Relevance status</b>
1.	Course emphasis on Employability/Entrepreneurship/Skill Development	Entrepreneurships
2.	Course Integrates cross cutting issues relevant to professional Ethics/Gender sensitization/Environment and Sustainability/Human Values/Indian Knowledge System	skill development
3.	Course relevant to local/regional/National/Global needs	global need
4.	Course focus on sustainable Developmental Goals	1,5

#### COURSE OUTCOMES AND COGNITIVE LEVEL MAPPING

<b>CO Number</b>	<b>Course Outcome</b>	<b>Cognitive Level</b>
<b>CO1</b>	Identifying the classification of colours.	K1
<b>CO2</b>	Expressing basic colour theory, including Hue, saturation and value.	K2
<b>CO3</b>	Sketching colour harmony in dress designing	K3
<b>CO4</b>	Structuring Different types of dress designing for different poses.	K4
<b>CO5</b>	Moderate the garment designing and principles of design.	K5

COs	PSO1	PSO2	PSO3	PSO4	PSO5	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	3	2	1	2	3	3	1
CO2	2	1	1	2	3	2	2	3	2	2
CO3	2	3	2	3	3	3	3	3	2	2
CO4	3	2	3	2	3	3	3	2	2	3
CO5	3	3	1	2	2	2	2	2	2	3

### Mapping of CO With PO and PSO

“1”-Slight (Low) Correlation

“3” –Substantial (High) Correlation

“2”-Moderate (Medium) Correlation

“-” - Indicates there Is no Correlation

### SYLLABUS

UNIT	CONTENT
I	<p>PREPARE THE FOLLOWING CHARTS</p> <ul style="list-style-type: none"> <li>● Prang colour chart</li> <li>● Value chart</li> <li>● Intensity chart</li> </ul>
II	<p>COMPLETION OF DESIGN</p> <ul style="list-style-type: none"> <li>● Double Complementary Colour Harmony</li> <li>● Split Complementary Colour Design</li> <li>● Triad Colour Harmony</li> </ul>
III	<p>ELEMENTS OF DESIGN</p> <ul style="list-style-type: none"> <li>● Line</li> <li>● Colours</li> <li>● Texture</li> <li>● Shape</li> <li>● Size</li> </ul>
IV	<p>PRINCIPLES OF DESIGN</p> <ul style="list-style-type: none"> <li>● Balance</li> <li>● Harmony</li> <li>● Emphasis</li> <li>● Proportion</li> <li>● Rhythm</li> </ul>

TEXT BOOK:

1. Tatham Seamas, “fashion design drawing course” 978-0-7641-2473-0
2. Pushpanjali, (2022), —Elements of Fashion and textile design, Pratham publication 2022.

### REFERENCES:

1. Bride M Whelan, " Colour Harmony" Rockford Publishers, 1992.

2. Chijiwa, Hideaki, "Colour Harmony", Rock fort Publishers, USA, 10111 edition I 1992.
3. Elements of fashion and apparel design G.J. Sumathi
4. FASHION: Elements and Principles of Design by Miss. Sacco (prezi.com).

**WEB REFERENCE:**

1. <https://www.masterclass.com/articles/elements-of-design-explained>
2. <https://www.toptal.com/designers/ui/principles-of-design>
3. <https://www.masterclass.com/articles/fashion-cycle-explained>

**PEDAGOGY**

Demonstration Method, Hands-on Training, Experiential Learning, Assignment, power point presentation, Mini projects.

**COURSE DESIGNER**

C. Jenitta, Assistant professor, Department of fashion technology and costume designing, Cauvery college for women (autonomous).