



**THIRUVALLUVAR UNIVERSITY
SERKKADU, VELLORE-632115**

**B. Sc. COSTUME DESIGN AND
FASHION TECHNOLOGY**

SYLLABUS

**FROM THE ACADEMIC YEAR
2023 – 2024**

PART	TITLE OF THE COURSE	CREDIT	HOURS/WEEK		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
Semester I							
PART I	Language I-Tamil	3	6	-			
PART II	English I	3	6	-			
PART III	Core Course I Fiber to Fabric	5	5	-			
PART III	Core Course II Fashion Designing	5	5	-			
PART III	Elective-I Generic / Discipline specific	3	4	-			
	a. Care and Maintenance of Textiles						
	b. Fashion Appreciation						
	c. Non-Woven						
PART IV	Skill Enhancement Course 1 - Fashion Sketching Practical	2	-	2			
PART IV	Skill Enhancement - Fashion Designing (P)	2	-	2			
Total		23	26	4			

SEMESTER I

Coursecode	FIBER TO FABRIC			L	T	P	C
Core 1				5	-	-	5
Pre-requisite	Basicknowledgeintextilescience			Syllabus Version		2023-2024	
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Impartknowledgeonthemanufacturingprocessoffabricfromthefiber 2. Teachthethodsandtechniques involvedinthefibre,yarnandfabricmanufacturingprocess 3. Knowthetrends andtechnologies followedinthetextileindustry 							
ExpectedCourseOutcomes:							
Onsuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Classify fibers and understand the manufacturing and properties of natural fibers					K2	
CO2	Discover the manufacturing process of man made fiber					K3	
CO3	Understand the yarn types and its manufacturing process					K2	
CO4	Describe the weaving methods and its characteristic features					K1	
CO5	Gain an understanding of knitting and non wovens					K4	
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6–Create							
Unit:1							
FiberClassification,Naturalfibers						15hours	
IntroductiontoTextilesFibers -classificationoffibers–primaryandsecondarycharacteristicsof Textile Fibers Manufacturingprocess,propertiesandusesofnaturalfibers–cotton, linen,Jute, silk,wool.Briefstudy aboutOrganicCotton, woolen and worstedyarn, typesof silk.							
Unit:2							
Regeneratedandsyntheticfibers						15hours	
Manufacturingprocess,properties,andusesofman-madefibers–Viscoserayon,nylon,polyester, acrylic. Briefstudyonpolymerization,bamboo, spandex,Microfibers&its properties. Texturization:Objectives,Typesoftexturedyarns&MethodsofTexturization.							
Unit:3							
Yarnmanufacturing						15hours	
Spinning–Definitionandclassification;Chemicalandmechanicalspinning; Cotton YarnProductionsequenceandobjectives-opening, cleaning,doubling,carding,combing,drawing,roving,spinning.Comparisonofcardedand combedyarn Yarn-Definitionandclassification-simpleandfancyyarns.ManufacturingProcessofsewingthreads– cottonand synthetic.Yarnnumberingsystems-Significanceofyarn twist							
Unit:4							
WeavingMechanism						15hours	
Classification of fabric forming methods – Weaving preparatory processes and its objectives – Warping,Sizing andDrawing–in. Weavingmechanism-Primary,secondary&auxiliarmotions ofaloom.Partsandfunctionsofasimpleloom;Classification oflooms Salientfeatures ofautomaticlooms;Shuttlelooms,its advantages-Typesofshuttlelesslooms–Rapier –Projectile–Airjet– Waterjet.							

Unit:5	Knitting and Non-Woven Fabrics	15hours
Knitting- Definition, classification.Principles of weft and warp knitting – Terms of weft knitting.Knitting machine elements. Classification of knitting machines. Characteristics of basic weft knit structures.		
Introduction to Non-Wovens - Application and uses		
	Total Lecture hours	75 hours
Text Books		
1	Handbook of Technical Textiles Volume I- Edited by A R Horrocks and S C Anand, Wood head publishing Ltd, England, 2016.	
2	Handbook of Technical Textiles- Edited by A R Horrocks and S C Anand, Wood Head publishing Ltd, England, 2000.	
3	Handbook of Technical Textiles, Volume 2: Technical Textile Applications – Edited by A. Richard Horrocks and Subhash C. Anand, Wood Head publishing Ltd, England, 2016.	
Text Books		
1	Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, Woodhead Publishing India in Textiles, 2014.	
2	Mechanisms of Flat Weaving Technology, Elena V, Chepelyuk, Palitha Bandara and Valeriy V Choogin; Woodhead Publishing series in Textiles, 2013.	
3	Handbook of fiber science and Technology, Menachem Lewin and Stephen B Sello, Marcel Dekker, Inc, New York, 1984.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	http://textilefashionstudy.com	
2	https://fashion2apparel.blogspot.com/2017/07/classification-loom.html	
3	https://www.inda.org/about-nonwovens/	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	S	S	S	L
CO2	M	M	S	S	S	L
CO3	L	M	M	S	S	M
CO4	M	S	S	S	S	M
CO5	M	M	M	S	S	M

*S-Strong; M-Medium; L-Low

Course code		FASHIONDESIGNING	L	T	P	C
Core II			5	-	-	5
Pre-requisite		Basicknowledgeindesigning	Syllabus Version	2023-2024		
Course Objectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Impartknowledgeondesignconceptsinthefieldoffashion 2. Familiarisewiththefashioncycles,consumersandtheories 3. Designsuitablegarmentsforunusualfiguretypes 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the design types, elements and principles of design					K2
CO2	Appraise the colour combinations with standard colour harmonies					K5
CO3	Interpret the fashion cycles, consumer groups and fashion theories					K2
CO4	Develop dress design for unusual figure types					K6
CO5	Define and describe the fashion terminologies and fashion profiles					K1
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit 1	DesignElementsandPrinciples					15 hours
Design- definition and types – structural and decorative design, requirements of a good structural and decorative design in dress Elements of design and its application in dress – line, shape or form, colour and texture. Principles of design and its application in dress – balance, rhythm, emphasis, harmony and proportion.						
Unit:2	Standard ColourHarmonies					15hours
Colourtheories;PrangcolourchartDimensionsofcolour-hue,value,andintensity. Standardcolourharmonies–Related,ContrastingandNeutralcolourharmony;ApplicationofColourin principles ofdesign- applicationofthesamein dress design.						
Unit:3	FashionEvolutionandFashionForecasting					15hours
Fashionevolution–Fashioncycles,Lengthofcycles,consumergroupsinfashioncycles– fashionleaders,fashioninnovators,fashionmotivation,fashionvictim,Fashionfollowers.AdoptionofFashiontheories–Trickledown,trickleup andtrickleacross.Fashionforecasting–Needforforecasting						
Unit:4	DesigningDressesforUnusualFigures					15hours
Deigning dresses for unusual figures – becoming and unbecoming – for the following figure types.Stout figure, thin figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest,largehip,largeabdomen,roundface,largeface,smallface,prominentchinandjaw, prominentforehead						
Unit:5	FashionTerminologiesandFashionProfiles					15hours
Definitionandmeaningofthefashionterms– fashion,style,lineandcollection,Mannequinanddressforms;fashionshow;highfashion;Haute couture,c						

outureandcouturier;knock-off;AvantGarde;Pret-a-porter. Role/qualitiesofaFashionDesigner,FashionStylist,FashionJournalist,FashionMerchandiser,Fashion Director.	
	Total Lecture hours 75 hours
Text Books	
1	FashionSketchBook–BinaAbling,FairChildPublications,NewYorkWardrobe,1988.
2	ArtandFashioninClothingSelection–Mc JimseyandHarriet,IowaStateUniversityPress ,Jowa,1973.
Reference Books	
1	FashionFromConcepttoConsumer–Frings GiniStephens,PearsonEducation,US,1998.
2	Insidethe FashionBusiness –KittyG.Dickerson,Pearson Education, US,2007.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.apparesearch.com/terms/index.htm
2	https://www.instyle.com/fashion
3	https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	L	M	S
CO2	M	S	M	L	M	S
CO3	M	S	M	L	M	S
CO4	M	S	M	L	M	S
CO5	M	S	M	L	M	S

Coursecode		FASHIONSKETCHING PRACTICAL	L	T	P	C
Skill Enhancement Course - 1			-		2	2
Pre-requisite		Basic drawing skills	Syllabus Version		2023-2024	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart skills in drawing and colouring. 2. Illustrate garment sketches for children, women, and men. 3. Create sketches of different parts of a human body in different perspectives 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Illustrate garment designs for children					K4
CO2	Illustrate garment designs for women					K4
CO3	Illustrate garment designs for men					K4
CO4	Sketch the parts of the body in various perspectives					K3
CO5	Sketch different views of male and female face					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Illustrate the Following in Different Perspectives						6 hours
Instructions – Create for male and female						
<ul style="list-style-type: none"> • Eyes • Ears • Nose • Lips • Hairstyles • Arms • Legs 						
2. Sketch the face of male and female in different views						6 hours
<ul style="list-style-type: none"> • Front view • Three quarter turned view • Profile view (side view) 						
3. Illustrate the Following Children's Garments						6 hours
Instructions – Create designs and Colour using any medium; Give details						
<ul style="list-style-type: none"> • Bib • Jablaw with knicker • Babasuit • Frocks 						

4. Illustrate the Following Women's Garments		6 hours
Instructions – Create designs; Colour using any medium; Give details <ul style="list-style-type: none"> • Skirts • Ladies tops • Salwar • Kameez • Maxi/ Gown • Dungarees 		
5. Illustrate the Following Men's Garments		6 hours
Instructions – Create designs; Colour using any medium; Give details <ul style="list-style-type: none"> • T-Shirts • Shirts • Pants • Kurta • Pyjama 		
Total Lecture hours		30 hours
Text Books		
1	Fashion Design Drawing and Presentation, Ireland Patrick John, Pavilion Books, 1982.	
2	Fashion Design Illustration: Children, Ireland Patrick John, BT Batsford Ltd, 1995.	
3	Fashion Design Illustration: fas Men, Ireland Patrick John, BT Batsford Ltd, 1996.	
Reference Books		
1	Fashion Illustration, Kiper Anna, David & Charles, 2011. ISBN: 9780715336182.	
2	Foundation in fashion design and illustration – Julian Seaman, Batsford Publishers, 2001.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.idrawfashion.com/	
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/	
3	https://in.pinterest.com/pin/458804280762797371/	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	L	M
CO2	S	S	M	S	L	M
CO3	S	S	M	S	L	M
CO4	S	S	M	S	L	M
CO5	S	S	M	S	L	M

*S-Strong; M-Medium; L-Low

Coursecode	FASHIONDESIGNING PRACTICAL			L	T	P	C
Skill Enhancement FC				-	-	2	2
Pre-requisite	Knowledge in Fashion Sketching			Syllabus Version	2023-2024		
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Familiarise with the elements and principles of design. 2. Play with colours following the standard colour harmonies. 3. Create garment design for various seasons on fashion figures. 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Develop Prang colour chart, value and intensity chart					K6	
CO2	Illustrate human figures - child, women and men					K4	
CO3	Sketch garment designs following the various elements of design					K3	
CO4	Apply the principles of design and colour harmonies in garments design					K3	
CO5	Create garment designs for various seasons					K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create							
1. Prepare the following Charts						5 hours	
<ul style="list-style-type: none"> • Prang colour chart, • Value chart • Intensity chart 							
2. Illustrate Human Figure for the Following Heads						5 hours	
<ul style="list-style-type: none"> • Child - 6 head. • Women - 8 head, 10 head and 12 head. • Man - 10 head 							
3. Illustrate Garment Designs for the Elements of Design						5 hours	
<ul style="list-style-type: none"> • Line • Texture • Shape 							
4. Illustrate Garment Designs for the Principles of Design						5 hours	
<ul style="list-style-type: none"> • Balance (Formal and Informal) • Harmony • Emphasis • Proportion • Rhythm (by Repetition, Gradation and Line Movement) 							
5. Illustrate the Colour Harmony in Dress Design						5 hours	
<ul style="list-style-type: none"> • Monochromatic 							

<ul style="list-style-type: none"> • Analogous • Complimentary • Double complementary • Split complementary • Triad • Neutral 	
6.Create Garments for the Following Seasons	5 hours
<ul style="list-style-type: none"> • Summer • Winter • Autumn • Spring 	
Total Lecture hours	
30 hours	
Text Books	
1	Fashion Sketch Book, Bina Abling, Fair Child Publications, New York Wardrobe, 1988.
2	Illustrating Fashion, Kathryn McKelvey and Janine Munslow, Blackwell Science, 1997.
Reference Books	
1	Art and Fashion in Clothing Selection, McJimsey and Harriet, Iowa State University Press, Iowa, 1973.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistsketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	L	M
CO2	S	S	M	S	L	M
CO3	S	S	M	S	L	M
CO4	S	S	M	S	L	M
CO5	S	S	M	S	L	M

*S-Strong; M-Medium; L-Low

