



**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**SCHOOL OF ARCHITECTURE & DESIGN  
(SOAD)**

**BACHELOR OF DESIGN**

**B. DES.**

**Programme Code: 33**

**2022-26**

**Approved in the 29th Meeting of Academic Council Held on  
09 August 2022**



  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



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## **PREFACE**

K.R. Mangalam University envisions all its programmes in the best interest of their students. It imbibes an outcome based curriculum for all its programmes to provide a focused, student-centric syllabus with an agenda to structure the teaching-learning experiences in a more outcome based.

The outcome based curriculum strengthens students' experiences and prepare the students for both, academia and employability, sustainability and life-long learning.

Each programme reflects the promise to accomplish the learning outcomes by studying the courses. The graduate attributes encompass values related to well-being, emotional stability, critical thinking, social justice and also skills for entrepreneurship.

The redesigned curriculum focuses on the multi-disciplinary nature of the field of design with emphasis on core design subjects with skills to represent the process of design graphically. Another important part is the aspect of realizing the concept and graphical representation into a workable design. Students are exposed to research and hands on project-based education with active studio sessions. Visiting faculty and external examiners are professionals and academicians chosen from the field of design. Students develop their design with inputs from highly driven team of faculty members and working professionals.

The K.R. Mangalam University hopes that the outcome based curriculum will help students in realizing their careers as informed, sensitive and creative architects and designers.

Salient features of this model curriculum are enumerated below:

1. Curriculum has been designed in such a way that it encourages innovation and research as total numbers of credits have been reduced and many new courses have been incorporated in consultation with industry experts.
2. The revised curriculum has been designed where the students can understand the industry requirements and have hands-on experience.
3. The students will develop a problem-solving approach and will meet the challenges of future.
4. Emphasis on hands-on training has been promoted by including two industrial training of 4 weeks and 8 weeks respectively in 2<sup>nd</sup> & 4<sup>th</sup> semester & 6 months professional training with industrial experts.
5. Bachelor of Design will ensure the revision of the curriculum to help students to achieve better employability, start-ups, and other avenues for higher studies.

## ACKNOWLEDGEMENT

**Programme:** Bachelor of Design  
**Year/ Semester:** 4 Years and 8 Semesters  
**Session:** 2022-2026

We acknowledge by signing below that we have received access to a copy of syllabus of the B.Design Programme indicated above. We designed the B. Design syllabus in Outcome Based Format and understand the programme specific outcomes of the B. Design Programme. Furthermore, I acknowledge that the contents of the B. Design syllabus have been explained and/or read to us. We understand the requirements concerning textbook(s), assignments, practicum, evaluation and how the final grades will be determined with respect to achieving Course Outcomes.

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**Verified by:**

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## **1. Introduction**

The K.R. Mangalam Group has made a name for itself in the field of education. Over a period of time, the various educational entities of the group have converged into a fully functional corporate academy. Resources at KRM have been continuously upgraded to optimize opportunities for the students. Our students are groomed in a truly inter-disciplinary environment where in they develop integrative skills through interaction with students from engineering, social sciences, management and other study streams.

The K.R. Mangalam story goes back to the chain of schools that offered an alternative option of world-class education, pitching itself against the established elite schools, which had enjoyed a position of monopoly till then. Having blazed a new trail in school education the focus of the group was aimed at higher education. With the mushrooming of institutions of Higher Education in the National Capital Region, the university considered it very important that students take informed decisions and pursue career objectives in an institution, where the concept of education has evolved as a natural process.

K.R. Mangalam University is established under the Haryana Private University Act 2006, received the approval of Haryana Legislature vide Amendment Act # 36 of 2013 and consent of the Hon'ble Governor of Haryana on 11th April 2013, which was published in the Gazette notification vide Leg. No.10/2013, dated 3rd May 2013.

### **K. R. Mangalam University is unique because of it's**

- i. Enduring legacy of providing education to high achievers who demonstrate leadership in diverse fields.
- ii. Protective and nurturing environment for teaching, research, creativity, scholarship, social and economic justice.

## **2. Objectives**

- i. To impart undergraduate, post graduate and doctoral education in identified areas of higher education.
- ii. To undertake research programmes with industrial interface.
- iii. To integrate its growth with the global needs and expectations of the major stake holders through teaching, research, exchange & collaborative programmes with foreign, Indian Universities/Institutions and MNCs.
- iv. To act as a nodal center for transfer of technology to the industry.
- v. To provide job oriented professional education to the Indian student community with particular focus on Haryana.

### **3. School of Architecture & Design (SOAD)**

School of Architecture & Design offers

- a) Council of Architecture (COA) approved five years B.Arch Programme
- b) Bachelor of Interior Design (BID): 4 year programme,
- c) B.Sc. Hons. (Interior Design): 3 year programme,
- d) Bachelor of Design (B. Des.): 4 year programme,
- e) B. A (Fashion Design): 3 year programme.

#### **3.1. Programmes of Design**

##### **3.1.1 School Vision**

The School aspires to become a leading Architecture and Design school by empowering the students with knowledge, confidence and skillset required to navigate their professional path as innovative, creative, socially responsible professionals contributing to nation building through ethical design practices grounded in sustainability and multidisciplinary awareness.

##### **3.1.2 School Mission**

- To establish a foundation for lifelong learning
- To apply current educational theories that see learning as a process wherein the learner constructs or builds new concepts, focusing on learner-centric education vs. teacher-centric education.
- To transform the role of teacher to that of facilitator, guide and mentor and not a transmitter of information
- Enhance employability and entrepreneurship through interdisciplinary curriculum and progressive pedagogy with latest technology to produce graduates capable of critically synthesizing architecture, engineering systems, social sciences and entrepreneurial skills.
- Developing active leadership skills as project leaders with understanding of various disciplines and collaboration with all stakeholders.
- To encourage diverse learning styles, acknowledging Kolb's Experiential Learning Theory, which suggests that learning is cyclical and moving through this continuum over time every learner discovers the learning style best suitable to the person.
- To enable students to learn to find meanings and connections by critical contemplation of available resources, strengthening the innate skills of reflection, evaluation, re-iteration and research.
- To empower learning by doing. The Design studio is considered both a course and a place of study at the heart of an academic environment fostering design thinking that is simultaneously analytical and creative.
- Develop ethical professional qualities among the students with understanding of environmental realities and context related design.

### 3.1.3 Aims of Bachelor Degree Programme

Realizing the potential of fashion industry and in line requirement of trained human resource the course of Bachelor of Design is developed. The studies in Bachelor of Design provides a wide array of Fashion and related areas that trains for designing Fashion with its various aspects. Students will gain fundamental skills and knowledge in Fashion Design and related Product development to create a sustainable, commercially viable yet an acceptable Fashion

### 3.1.4 Graduate Attributes:

- Communication & Interpersonal
- Attitudes & Values
- Practical & Professional
- Critical Thinking & Research
- Creativity & Innovation

### 3.1.5 PROGRAMME OUTCOMES

#### PROGRAMME OUTCOMES (POs)

Programme: Students of all undergraduate Bachelor of Architecture, Bachelor of Interior Design, BSc. (Interior Design), Bachelor of Design (B. Des.) and B.A (Fashion Design) degree programmes at the time of graduation will have-

**PO1.Design and Integration:** Work collaboratively toward design resolution which integrates an understanding of the requirements, contextual and environmental connections, construction systems and services with responsible approach to environmental, historical and cultural conservation.

**PO2. Drawing Work:** Produce professional quality graphic presentations and technical drawings/documents.

**PO3. Critical Analysis:** Demonstrate critical thinking through a self-reflective process of conceptualization and design thinking that is open to consideration of alternative perspectives by analyzing, evaluating, and synthesizing ideas and information.

**PO4.Employability and Interdisciplinary Approach:** Students can work effectively in a multi-disciplinary team in the building and design industry.

**PO5.Conduct:** Work in a manner that is consistent with the accepted professional standards and ethical responsibilities. Conduct independent and directed research to gather information related to the problems in design and allied fields.

**PO6.Communication and Teamwork:** Apply visual and verbal communication skills at various stages of the design and delivery process. Also work as an integral member in collaboration with multi-disciplinary design and execution teams in the building and design industry.



**PO7.Life-long learning:** Thrive in a rigorous intellectual climate which promotes inquiry through observation and research and to show curiosity to learn about new developments in design.

### **3.2 SUSTAINABLE DEVELOPMENT GOALS:**

**3.2.1 Quality Education:** Achieving inclusive and quality education for all the students is an important goal that is being achieved through extension activities related to the curriculum. Students of SOAD are doing collaborative work with neighbourhood communities through their workshop and projects.

**3.2.2 Responsible Consumption and Production:** Through courses like Sustainable Fashion and Environmental Studies, students are encouraged to think in terms of Reuse, Recycle, Reduce, and Upcycle according to the trends.

**3.2.3 Reduced Inequalities:** As there is a large disparity between socio-economic backgrounds that dictate the opportunities available to students for education, SOAD is involved in creating access for students through course like Craft Documentation where they work hand-in-hand with artisans of various states, villages and neighbouring communities.

**3.2.4 Life on Land:** To reduce the loss of natural habitat, forests and change in soil quality, students are taught environment sustainability, natural risk measures, resource management through the course namely, Environment Studies.

**3.2.5 Partnerships for the Goals:** SOAD with time collaborates with the local communities, vocational training centres and other organisations & universities for research purpose. The School has also inculcated SDG related targets through its curriculum and its practical execution.

### **3.3 NEP Implementation:**

The importance of short term professional and vocational courses with exit options has been emphasized in the New Education Policy 2020. The programmes in Fashion Design have been prepared keeping in mind the flexibility for students in terms of multiple entry and exit options, compulsory internship to streamline their talent and creativity.

B. A. Fashion Design – 3 Years/ 6 Semester Programme

B. Des (Fashion Design) - 4 year/ 8 Semester Programme.

## **4. PROGRAMME OFFERED IN DESIGN**

### **4.1 BACHELOR OF DESIGN (B. Des.)**

Realizing the potential of fashion industry and in line requirement of trained human resource the course of Bachelor of Design is developed. The studies in Bachelor of Design provides a wide array of Fashion and related areas that trains for designing Fashion with its various

aspects. Students will gain fundamental skills and knowledge in Fashion Design and related Product development to create a sustainable, commercially viable yet an acceptable Fashion.

#### **4.1.1 Eligibility Criteria**

Only candidates who have the following credentials shall be eligible for admission to Bachelor of Design programme.

Completed 10+2 or equivalent examination of central/State Govts in any stream.

#### **4.1.2 Course Outline**

Meaning of Fashion/Awareness of historical and contemporary Fashion/Fashion Rendering/Study of fashion elements such as Fabrics, accessories/Styles and technology/Flat and draped pattern development/Construction techniques/Fashion Research/Technical specification/ Range building/ Portfolio presentation.

#### **4.1.3 Career Opportunities**

Fashion designer, Stylist, Costume Designer, Illustrator, Fashion Entrepreneur, Retail Merchandiser and Visual Merchandiser.

#### **4.1.4 Programme Specific Outcomes (PSO) - Bachelor of Design**

**PSO1. Applications of Concepts:** Ability to apply fundamentals of design, textile science, fashion history and crafts, Apparel construction, fashion industry and software learning to understand, analyze and develop a range of design collection in the areas related to manual design, designing a range of collection, and a lot for efficient design of apparels & other related fashion merchandise.

**PSO2. Innovation and Industry Friendly:** Ability to apply appropriate design thinking process and modern design software tools for the developing the new range of designs. Understand contemporary issues of fashion industry, research and thereby innovate original ideas and solutions, culminating into a modern, easy to use tool, by a larger section of the society with longevity and to engage in lifelong learning for the advancement of technology.

**PSO3. Ethics and Communication Skills:** Implementation of professional design and research solutions for the betterment of society keeping the environmental context in mind, be aware of professional ethics and be able to communicate effectively.

### **5. Class Timings**

The classes will be held from Monday to Friday from 9:10 am to 4:30 pm.

## 6. Programme Duration

The minimum period required for B. Design Programme offered by the University shall extend over a period of 4 Academic Years, i.e., 8 semesters. The Programme will be considered completed when the candidate has earned minimum courses and credits required by the Programme curriculum.

**Duration: - 4 Years (8 Semesters)**

## 7. Scheme of Studies and Syllabi

The syllabi of Bachelor of Design programme offered by SOAD is given in the following pages

For each course, the first line contains; Course Code, Title and Credits (C) of the course. This is followed by the course objectives & outcomes, catalogue description, syllabus (Unit I to IV), Text Book and Reference Books, course OBE mapping.

### Programme scheme

Take a glance of four-year B. Design Programme scheme

### FOUR YEAR B. DESIGN PROGRAMME AT A GLANCE

	Sem. I	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Sem. VII	Sem. VIII	TOTAL
<b>Courses</b>	7	7	10	10	8	4	1	2	49
<b>Credits</b>	24	21	27	26	21	18	20	20	178

1 <sup>st</sup> SEMESTER									
Year	S.No.	Course Code	Course Title	L	T	S	P	C	
<b>First</b>	1	SFFD101A	Fibre to Yarn Studies	4	-	-	-	4	
	2	SFFD103A	Fundamental of Design	4	-	-	4	6	
	3	SFFD151A	Pattern Making-I Lab	-	-	-	4	2	
	4	SFFD153A	Fashion Model Drawing Lab	-	-	-	4	2	
	5	SFFD155A	Surface Ornamentation	-	-	-	4	2	
	6	UCCS155A	Communication Skills	4	-	-	-	4	
	7		Open Elective - I	4	0	0	-	4	
				<b>TOTAL</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>24</b>

2 <sup>nd</sup> Semester								
Year	S.No	Course Code	Course Title	L	T	S	P	C
First	1	SFFD114A	History of Fashion	3	1	-	-	4
	2	SFFD104A	Fabric Manufacturing	3	1	-	0	4
	3	SFFD150A	Fashion Art Illustration Lab	-	-	-	4	2
	4	SFFD152A	Fashion Design Software -I Lab	-	-	-	4	2
	5	SFFD158A	Art of Draping	-	-	-	4	2
	6	UCES125A	Environmental Studies	3	-	-	-	3
	7		Open Elective -II	4	0	0	-	4
			<b>TOTAL</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>14</b>	<b>21</b>

3 <sup>rd</sup> Semester								
Year	S.No.	Course Code	Course Title	L	T	S	P	C
Second	1	SFFD203A	Overview of Fashion Industry	3	1	-	-	4
	2	SFFD205A	Textile Chemical Processing	3	1	-	2	5
	3	SFFD251A	Sketching-I Lab	-	-	-	4	2
	4	SFFD253A	Fashion Design Software -II Lab	-	-	-	4	2
	5	SFFD255A	Garment Construction Lab	-	-	-	4	2
	6	SFFD257A	Summer Training -I	-	-	-	-	1
	7	SFFD265A	Pattern Making-II Lab	0	0	0	4	2
	8	UCDM301A	Disaster Management	3	-	-	-	3
	9		Discipline Specific Elective -I	-	-	4	-	4
	10		MOOC	-	-	-	-	2
<b>TOTAL</b>				<b>9</b>	<b>2</b>	<b>4</b>	<b>18</b>	<b>27</b>

4th Semester								
Year	S.No.	Course Code	Course Title	L	T	S	P	C
Second	1	SFFD202A	Fashion Marketing & E-tailing	3	1	-	-	4
	2	SFFD208A	Garment Manufacturing Technology	3	1	-	-	4
	3	SFFD206A	Quality Control In Textile & Apparel	3	1	-	-	4
	4	SFFD250A	Pattern Grading Lab	-	-	-	4	2
	5	SFFD252A	Advance Garment Construction Lab	-	-	-	4	2
	6	SFFD254A	Sketching-II Lab	-	-	-	4	2
	7	SFFD256A	Sustainable Fashion	-	-	-	4	2
	8	SFFD262A	Craft Documentation	0	0	0	0	2
	9		Discipline Specific Elective -II	-	-	4	-	4
<b>TOTAL</b>				<b>9</b>	<b>3</b>	<b>4</b>	<b>16</b>	<b>26</b>

5 <sup>th</sup> Semester								
Year	S.No.	Course Code	Course Title	L	T	S	P	C
THIRD	1	SFFD301A	Fashion Forecasting in Apparel Design	3	1	-	-	4
	2	SFFD303A	Fashion Promotion & Communication	3	1	-	-	4
	3	SFFD305A	Fashion Retail & Visual Merchandising	3	1	-	-	4
	4	SFFD369A	Pattern Making -III Lab	-	-	-	4	2
	5	SFFD353A	Craft Design & Research Project	-	-	-	4	2
	6	SFFD355A	Summer Training -II	-	-	-	-	1
	7		Discipline Specific Elective -III	2	-	-	6	4
	8	VAC111	Fashion Event Management	2	-	-	-	-
<b>TOTAL</b>				<b>13</b>	<b>3</b>	<b>0</b>	<b>14</b>	<b>21</b>

6 <sup>th</sup> Semester								
Year	S.No.	Course Code	Course Title	L	T	S	P	C
<b>THIRD</b>	1	SFFD302A	Fashion Entrepreneurship Skills	3	1	-	-	4
	2	SFFD304A	Design Collection	-	-	5	10	10
	3		Discipline Specific Elective -IV	-	-	4	-	4
	4	VAC 108	Boutique Management	2	-	-	-	-
			<b>TOTAL</b>	<b>5</b>	<b>1</b>	<b>9</b>	<b>10</b>	<b>18</b>

7 <sup>th</sup> Semester								
Year	S.No.	Course Code	Course Title	L	T	S	P	C
<b>FOURTH</b>	1	SFFD401A	Dissertation Project	-	-	-	-	20
	2		<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>

8 <sup>th</sup> Semester								
Year	S.No.	Course Code	Course Title	L	T	S	P	C
<b>FOURTH</b>	1	SFFD402A	Graduation Design Collection	-	-	10	20	20
	2		Value added subject	2	-	-	-	-
			<b>TOTAL</b>	<b>2</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>20</b>

## SYLLABUS 2022-2026

### BACHELOR OF DESIGN

#### SEMESTER-I

<b>SFFD101A</b>	<b>FIBRE TO YARN STUDIES</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic knowledge of Textiles</b>					
<b>Co-requisites</b>						

#### Course Objectives:

1. To impart knowledge about textile fibres in terms of their origin and properties.
2. To familiarise the students with the terminologies and concepts related to fibres spinning processes.

#### Course Outcomes:

On completion of this course, the students will be able to

- CO1. Classify the textile fibres based on length and origin
- CO2. State the difference between natural and man-made fibres
- CO3. Explain the importance and need of different blending techniques
- CO4. Describe basic and special yarn and its defects
- CO5. State the knowledge of Direct & Indirect yarn count and its importance.

#### Catalogue Description

This course will give the learner an opportunity to conceptualize the structure, property and end use of different types of yarns & fabrics and their correlations with garments. In this course the learner will understand the nature and property of different textile fibres, structural details of different types of yarns, their property and uses, especially for sewing threads, fabric structure details, different types of fabrics, their property and uses, fabric stitch ability, the influence of fabric on garment property.

#### Course Content

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##### UNIT I

**12 lecture hours**

Textile Terminologies, Fibre – Classification, Composition /Origin/ manufacture of Natural Fibre: Cotton, wool, Skin etc. Composition /Origin/ manufacture of Manmade Fibre: Nylon, Polyester, PVC etc. Performance criteria of Fibre, Properties and characteristics of natural and manmade Fibre, Fibre blends.

**UNIT II****8 hours**

Yarns Formation: Spinning of natural fibre- Blow room, carding, combing, drawing, roving frame and ring frame. Spinning of Man-Made Fibres- Melt Spinning, Dry Spinning, Wet Spinning.

**UNIT III****10 hours**

Yarns Blends and composition and their spinning processes. Winding, Twist multiplier, TFO. Conditioning. Types of yarn and its properties. Packaging of yarns.

**UNIT IV****10 hours**

Count System: Indirect & Indirect Count, New English Count, Metric Count, Woollen Count, Worsted Count, Denier Count, Tex Count and Decitex Count.

**Textbook:**

1. Bernard P Corbman, Textiles: Fiber to Fabric, New Year Macgraw Hill 2009

**Reference Books:**

1. Sara J. Kadolph, "Textiles", 11<sup>th</sup> edition Pearson India 2014
2. Mary Humphries "fabric reference" 4<sup>th</sup> edition.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Classify the textile fibres based on length and origin	PO1
CO2	State the difference between natural and man-made fibres	PO3
CO3	Explain the importance and need of different blending techniques	PO6
CO4	Describe basic and special yarn and its defects	PO4
CO5	State the knowledge of Direct & Indirect yarn count and its importance.	PO7



		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO1	PO2	PO 3	PO4	PO 5	PO 6	PO 7	PS O1	PSO2	PSO3
SFFD 101A	Fibre To Yarn Studies	3		3	3		2	3	3		2

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

<b>SFFD103A</b>	<b>FUNDAMENTAL OF DESIGN</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>6</b>
<b>Pre-requisites/Exposure</b>	<b>Principle of design and elements</b>					
<b>Co-requisites</b>						

### Course Objective:

1. To familiarize students with the design elements and principles and its application in fashion designing.
2. To induce an organized methodology in developing a successful collection / line of garments like color schemes, balance, line, texture etc.

### Course Outcomes:

On completion of this course, the students will be able to

**CO1:** Through this course students will get familiar with basic elements & principles of design that are the essential components for creating new design.

**CO2:** This course will help to develop the concept of visualization, communication through the medium of flat sketch/drawing based on elements & principles of design.

**CO3:** Students will be able to use different mediums and tools that are required for communicating design idea or blueprint of design, thereby encouraging students to think, explore and create.

**CO4:** Elements of design provide a baseline for designing a unique apparel design in terms of structure, function, and aesthetic.

**CO5:** Student will learn how to create harmony in design.

## **Catalogue Description**

This course will give detailed overview to the learner about understanding and usage of elements and principles of design for creating a good design as well as to develop visualization and communication idea. The course is an interesting mix of practical and theoretical projects that will encourage students to learn the concepts of visual merchandising in an interactive way. Student will familiarize with nature of fashion & fashion terminology, classification of fashion, origin of fashion in our society, factors that affect fashion, elements & principles of design like line, shape, form, Color, texture, emphases, rhythm, balance, harmony, proportion that are required in context of developing different tactic-based design.

## **Course Content**

---

### **UNIT I 18 lecture hours**

Type of Design- structural and decorative, Elements of Design-Lines, Form, Shape, color, texture, etc., Principles of design-repetition, gradation, radiation, dominance, unity, harmony, contrast, Proportion, balance & rhythm- its importance in designing.

### **UNIT II 15 lecture hours**

Functions of Lines, Silhouettes, Different types of lines & its characteristics, Use of line in clothing according to body shapes, Optical illusions created by various combinations of lines.

### **UNIT III 15 lecture hours**

Color theory- Prang color system & Munsell, Color wheel- primary, secondary and tertiary, Color Dimensions-Hue, Value and Chroma, Tint, tone, shade, Color harmony- Related & contrasting color harmonies & its subdivisions, Application of color in clothing, Seasonal colors.

### **UNIT IV 12 lecture hours**

Texture, Various types of texture, Fashion terminology: - fashion cycle, fad/classic, and factors affecting fashion etc. Apparel categories: - Garment vocabulary, Fashion capitals of the world: - New York, Paris, London, Milan, and Tokyo etc.

### **Textbook:**

1. Sumathy, G. (2002) "Elements of Design and Apparel Design", New Age International Pvt. Ltd.
2. Abing, Bina "Fashion Sketchbook", 4<sup>th</sup> edition, Fairchild Publications.

**Reference Books:**

1. Gimsely, M.C. and Harriot, T. “Art and Fashion in Clothing Selection”, Nova State University Press, New York.
2. Mckelvey, Kathryn & Janin, “Fashion Design -Process, Innovation & Practice”, Blackwell [Publishers](#).

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Through this course students will get familiar with basic elements & principles of design that are the essential components for creating new design.	PO1
CO2	This course will help to develop the concept of visualization, communication through the medium of flat sketch/drawing based on elements & principles of design.	PO2
CO3	Students will able to use different mediums and tools that are required for communicating design idea or blueprint of design, there by encouraging students to think, explore and create.	PO3
CO4	Elements of design provide a baseline for designing a unique apparel design in terms of structure, function, and aesthetic	PO5
CO5	Student will learn how to create harmony in design.	PO7

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	P O5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD103 A	Fundamental Of Design	3	3	3		3		3	3	2	

1=weakly mapped, 2= moderately mapped,3=strongly mapped

<b>SFFD151 A</b>	<b>PATTERN MAKING-I LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.4</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding drafting of Women's wear</b>					
<b>Co-requisites</b>						

### Course Objective:

1. To acquire knowledge of Human body structure and measurements.
2. To learn various kind of collars, sleeves, skirt.
3. To draft adult bodice, block as per standard size.

### Course Outcomes:

On completion of this course, the students will be able to

**CO1:** Through this course student will able to develop adult bodice block / female basic bodice block.

**CO2:** Learn various kind of collars, sleeves, skirts.

**CO3:** Explain the methods of construction of components such as Seams, tucks, pleats, gathers, plackets, pockets, hemlines, necklines, cuffs etc.

**CO4:** Understand the concept of fit and balance in women's wear.

**CO5:** They will learn how to manipulate basic patterns for creating new designs.

## Catalogue Description

The course is aimed to prepare professionals in Pattern Making for women. This course will give the learner to relate female body shapes to patterns and understand control points of control in each pattern to achieve desired fit on the basis of measurement system, allowances and darts in transfer, the student starts approaching to the details such as: collars, sleeves, skirts, blouses, trousers and dresses.

## List of Experiments

1. Introduction to Human Anatomy – 1 lecture hours
2. Introduction to sizing system; Mannequins, its types and its handling.-1 lecture
3. Introduction to Pattern Making Principles and terminology– 1 lecture hours
4. Concept of Seam Allowances, Ease, Darts,Truing of darts, seams, curves, notches and their significance -5 lecture
6. 5 Taking measurements Pattern making - Basic Bodice (Front & Back) and Sleeve size # 8 - 4 lecture
5. Developing samples of Seams, tucks, pleats, gathers, plackets, pockets, hemlines, necklines, cuffs etc. – 14 lectures
7. Pattern making - Basic Skirt Block (Front & Back) – 5 lecture
8. Collars - Stand collar,shirt collar, Roll collar – 10 lecture hours
9. Basic Torso Foundation size # 8- 8 lecture
10. Introduction to a sewing machine with a practice of learning the running of sewing. – 8 lecture hours
11. Garment Construction Methods and Techniques - Darts,Tuck - Darts, Pleats, Flares, and Gathers – 12 lecture hours

## REFERENCE BOOKS:

1. Helen Joseph Armstrong, 2009“Patternmaking for Fashion Design”, Pearson, Fifth edition.
2. Pamela C Stringer, (1992) “Pattern Drafting for Dressmaking”, Published by Batsford Ltd
3. Winifred Aldrich, (2015) Metric Pattern Cutting for Women's Wear 6th edition

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Through this course students will able to develop adult bodice block / female basic bodice block.	<b>PO2</b>
<b>CO2</b>	Importance of dart manipulation in garments. Learn various kind of collars, sleeves, skirts.	<b>PO3</b>
<b>CO3</b>	Understand the concept of fit and balance in women's wear.	<b>PO7</b>
<b>CO4</b>	They will learn how to manipulate basic patterns for creating new designs.	<b>PO5</b>
<b>CO5</b>	Students learn technical overview of fit related problems and find out there technical solution.	<b>PO4</b>

		Design and Integration	Drawing Works	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 151A	Pattern Making-I Lab		2	3	3	3		3	3	3	

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD153A</b>	<b>FASHION MODEL DRAWING LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.4</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Basic of human body drawing</b>					
<b>Co-requisites</b>						

**Course Objective:**

1. To understand the importance of anatomical studies as the basis of fashion model drawing.
2. To prepare professional in terms of fashion model drawing.

**Course Outcomes:**

On completion of this course, the students will be able to

CO1: Understand the various shading techniques to represent the highlights & shadow.

CO2: The study of this course will help students to develop the concept of visualization and communication through the medium of flat sketch/drawing.

CO3: Acquire the skills of stick figures to communicate various body pose.

CO4: Students will able to use different mediums and tools that are required for communicating design idea, there by encouraging students to think, explore and create.

CO5: Students will able to develop flash figure with the help of block figure.

**Catalogue Description**

In this course the student will be familiarized with fundamental structure of a human body by beginning with figure drawing, emphasizing anatomical details. Basic line & shading exercise, Stick figures & different body actions, basic female block figure, flashing figures that are required in context of developing different view of a fashion model figure poses.

**Course Content**

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**List of Experiments**

1. Basic line & shading exercise- Lines & Shading exercises using various pencil & color mediums, Such as, Grade pencils, Color pencils, Poster color/ watercolor, Charcoal. – 6 lectures hours.
2. Stick figures & different body actions. Developing blocks for block figure. – 6 lectures hours.
3. 8 head, 10 head, 12 head figures, the fashion face, arms, legs, Hands and feet. Poses: Front, ¾, side & back block figure. – 6 lectures hours.
4. Flashing figure - Front, ¾, side & back. – 4 lectures hours.
5. Illustrating male figure and children, Figure analysis, body types, designing for diverse body types – 8 lectures hours.
6. Face block. Fashion frontal face-eyes, ears, nose, mouth & head. – 6 lectures hours.

- Fashion Figure, study of various proportions, the balance line in drawing figures, gestures and movements. – 4 lectures hours.

**Reference Books:**

- Hagen, K. (2005). “Fashion Illustration for Designers” NJ: Pearson Prentice Hall.
- Fernandez, Angel and Roig, Gabriel Martin (2009) “Drawing for Fashion Designers”, Batsford.
- Nunnally, Carol A. (2009) “Fashion Illustration School, A Complete Handbook for Aspiring Designers and Illustrators”, Thames & Hudson.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Understand the various shading techniques to represent the highlights & shadow.	PO2
CO2	The study of this course will help students to develop the concept of visualization and communication through the medium of flat sketch/drawing.	PO3
CO3	Acquire the skills of stick figures to communicate various body pose.	PO6
CO4	Students will able to use different mediums and tools that are required for communicating design idea, there by encouraging students to think, explore and create.	PO5
CO5	Students will able to develop flash figure with the help of block figure.	PO7



		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 153A	Fashion Model Drawing Lab		3	3		3	3	3	3		3

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

<b>SFFD155A</b>	<b>Surface Ornamentation</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Basic of surface ornamentation</b>					
<b>Co-requisites</b>						

### **Course Objective:**

1. To create an understanding of the various traditional Indian needle & dye crafts. Be able to develop skills to enhance the aesthetic value of any fabric through ornamentation.
2. Enhance the creative skills in developing new concepts through visualization and ideation to replicate an inspiration.

### **Course Learning Outcomes:**

On completion of this course, the students will be able to

**CO1:** Students will get complete knowledge of embroidery & dye crafts of India.

**CO2:** Identify various types of materials different methods of surface ornamentation.

**CO3:** Identify various types of dyes used for dyeing and printing of fabrics.

**CO4:** Able to develop new motifs design based on traditional embroidery & dye craft.

**CO5:** Understand the scope for design intervention and innovation in using these techniques for creative and contemporary product development

## Catalogue Description

Through this course student will the rich heritage of Indian needle & dye based craft. They will theoretical & practical knowledge about the various regions wise popular needle & dye craft. This will enhance their knowledge about the heritage of Indian textile craft, that will encourage students to use Indian textile based apparels and other home textiles products in their daily life to encourage & support Indian textile artisans.

## Course Content

### List of Experiments

1. Introduction of Indian needle craft, Classification of needle craft as per region. Basic understanding of embroidery stitch like- running stitch, chain stitch, blanket stitch etc.
2. Prepare sample for each basic embroidery stitch like- running stitch, chain stitch, blanket stitch, fly & father stitch, satin stitch, bullion stitch, French not.
3. Introduction of Thread Embroidery, Applique, Quilting, Crochet, Bead Embroidery. Prepare sample for Thread Embroidery, Applique, Quilting, Crochet, Bead Embroidery
4. Introduction of Indian dye & printing. Prepare tie & dye, batik, block, screen print sample based on natural dye craft.

### Reference Books:

1. Sally Harding(2010)The Needlecraft Book
2. Singer Margo, 2007, Textile Surface Decoration- Silk & Velvet, A & B Black Ltd.
3. Pepin Press, ( 1999), Indian Textile Prints with CD , PAP/Cdr edition.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Students will get complete knowledge of embroidery & dye crafts of India.	<b>PO1</b>
<b>CO2</b>	Identify various types of materials different methods of surface ornamentation.	<b>PO3</b>
<b>CO3</b>	Identify various types of dyes used for dyeing and printing of fabrics.	<b>PO7</b>
<b>CO4</b>	Able to develop new motifs design based on traditional embroidery & dye craft.	<b>PO5</b>
<b>CO5</b>	Understand the scope for design intervention and innovation in using these techniques for creative and contemporary product development	<b>PO4</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 155A	Surface Ornamentation	3		3	3	3		3	3	3	2

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

<b>UCCS155A</b>	<b>COMMUNICATION SKILLS</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic Profession communication skills</b>					
<b>Co-requisites</b>						

### **Course Objective:**

1. Understand the basics of Grammar to improve written and oral communication skills.
2. Understand the correct form of English with proficiency
3. Improve student's personality and enhance their self-confidence.
4. Improve professional communication.
5. Enhance academic writing skills.

### **Course Outcomes**

On completion of this course, the students will be able to

CO1. Understand the basics of Grammar to improve written and oral communication skills

CO2. Understand the correct form of English with proficiency

CO3. Improve student's personality and enhance their self-confidence

CO4. Improve professional communication

CO5. Enhance academic writing skills

### **Catalogue Description**

This learning program with its practice-based learning tasks will facilitate the learners to enhance their communication skills in a modern and globalized context, enhance their linguistic and communicative competence and hone their interpersonal skills.

### **Course Content**

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#### **UNIT I**

**6 lecture hours**

**Introduction to Communication:** Importance of Communication Skills, Meaning, Forms & Types of Communication; Process of Communication; Principles of Effective Communication/7Cs, Barriers in Communication (Interpersonal, Intrapersonal and Organizational).

#### **UNIT II**

**6 lecture hours**

**Academic Writing:** Précis (Summary – Abstract – Synopsis – Paraphrase – Précis: Methods), Letter & Résumé (Letter Structure & Elements – Types of letter: Application & Cover - Acknowledgement – Recommendation – Appreciation – Acceptance – Apology – Complaint –Inquiry).Writing a proposal and synopsis. Structure of a research paper. Citations and plagiarism.

### UNIT III

6 lecture hours

**Technology-Enabled Communication:** Using technology in communication tasks, E-mails, tools for constructing messages, Computer tools for gathering and collecting information; Different virtual medium of communication.

### UNIT IV

6 lecture hours

**Building Vocabulary:** Word Formation (by adding suffixes and prefixes); Common Errors; Words Often Confused; One word substitution, Homonyms and Homophones; Antonyms & Synonyms, Phrasal Verbs, Idioms & Proverbs ( 25 each); Commonly used foreign words(15 in number);

### UNIT V

6 lecture hours

**Personality Development:** Etiquettes & Manners; Attitude, Self-esteem & Self-reliance; Public Speaking; Work habits (punctuality, prioritizing work, bringing solution to problems), Body Language: Posture, Gesture, Eye Contact, Facial Expressions; Presentation Skills/ Techniques.

#### **Textbook [TB]:**

Kumar, Sanjay and Pushplata. *Communication Skills*. Oxford University Press, 2015.

#### **Reference Books/Materials**

1. Mitra, Barun K. *Personality Development and Soft Skills*. Oxford University Press, 2012.
2. Tickoo, M.L., A. E.Subramanian and P.R.Subramaniam. *Intermediate Grammar, Usage and Composition*. Orient Blackswan, 1976.
3. Bhaskar, W.W.S., AND Prabhu, NS., “ English Through Reading”, Publisher: MacMillan, 1978
4. Business Correspondence and Report Writing” -Sharma, R.C. and Mohan K. Publisher: Tata McGraw Hill 1994
5. Communications in Tourism & Hospitality- Lynn Van Der Wagen, Publisher: Hospitality Press
6. Business Communication-K.K.Sinha
7. Essentials of Business Communication By Marey Ellen Guffey, Publisher: Thompson Press
8. How to win Friends and Influence People By Dale Carnegie, Publisher: Pocket Books
9. Basic Business Communication By Lesikar & Flatley, Publisher Tata McGraw Hills
10. Body Language By Allan Pease, Publisher Sheldon Press

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	Understand the basics of Grammar to improve written and oral communication skills	<b>PO1, PSO1</b>
<b>CO2</b>	Understand the correct form of English with proficiency	<b>PO9,PSO1</b>
<b>CO3</b>	Improve student’s personality and enhance their self-confidence	<b>PO9</b>
<b>CO4</b>	Improve professional communication.	<b>PO9</b>
<b>CO5</b>	Enhance academic writing skills	<b>PO3,PSO1</b>

		Comprehensive understanding of the theories and practical applications of their subject.	Acquire a sense of social responsibility and service to the greater good of humanity.	Foster scientific temper, creative ability and cross cultural sensitivity	Provide the students opportunities in terms of employment and research	Develop ability for advanced critical thinking and ability to formulate logical arguments.	Acquire the capability to work independently, as well as a member of the diverse team,	Develop awareness about the existing social and cultural constructs and develop strategies to contribute to the wellbeing of society.	Understand the scope of the discipline and be motivated to pursue the contemporary developments and happenings.	Competency in language and communication skills for interacting with diverse audiences in a variety of contexts and genres.	Ability to use digital sources to aid and augment their scholastic pursuits.	To develop competence in the structure, levels and discourse functions of the English language	To appreciate different literary texts with respect to its genre and history	To gain an understanding of the social and cultural connotations associated with a literary work.
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
UCCS155A	Communication skills	3		3						3		3		

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

**OPEN ELECTIVE  
SEMESTER-I**

<b>SFFD109A</b>	<b>Home Textile</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic home textile</b>					
<b>Co-requisites</b>						

**Course Objectives:**

- The aim is to acquire knowledge of history and use of textiles in home
- knowledge regarding the selection criteria and care of various classes of textiles used in home.
- It will also help to study the latest fashion trends and high-performance materials in textiles used for home.

**Course Outcomes:**

On completion of this course, the students will be able to

- CO1:** To understand the Classification of Home textiles  
**CO2:** To understand the major production centers in India.  
**CO3:** Importance of trends in home textiles  
**CO:** Importance of designers in home textile.  
**CO5:** Discuss the growing market for home.

**Catalogue Description**

This course will give the learner a brief introduction about Home textile industry like classification of Home textile on the basis of materials, uses, constructions & surface ornamentation. Through this course student get an idea how to design a home textile, communicate their design ideas by using the sketching of their designs and how current home textile work at national & international level.

**Course Content**

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**UNIT I**

**8 lecture hours**

**Introduction to Textiles Used in Home**

Textiles used in home, Period styles in home furnishings, Classification of textiles for home (hard and soft): upholstery fabrics, window textiles, bed linen and other bed textiles, bathroom textiles, kitchen and table linen, floor coverings-rugs and carpets.



**UNIT II****12 lecture hours****Selection, Use, Care, Storage and Maintenance**

Various parameters for selecting textiles for home (types, standard sizes, construction, performance, durability, aesthetics, price range etc.) Informative labelling and Packaging.

**UNIT III****10 lecture hours****Influence of Fashion and Technology**

Contemporary fashion trends in textiles for home forecast for the future, Factors affecting selection of design (end use, size and type of room, type of arrangement, type of furniture, geographical location etc.). Designers, Brands and Outlets dealing with Home furnishings. Innovations in technology, high performance materials and use of finishes to enhance functionality. Sustainable and eco-friendly practices in textiles used for home and hospitality.

**UNIT IV****10 lecture hours****Manufacturing and Production Capacity of Textiles for Home**

Global Vs Indian market, Growing domestic market and major production centers, Present status of the home textile industry

**Textbook:**

1. Sara J. Kadolph, "Textiles", 11<sup>th</sup> edition Pearson India 2014

**Reference Books:**

1. Lebeau, Caroline (2004) Fabrics- the Decorative Art of Textiles, London, Thames and Hudson
2. Das, Subrata (2010) Performance of Home Textiles, New Delhi, Woodland Publishing India Pvt Ltd
3. Ranall, Charles T. (2002) Encyclopedia of Window Fashions, California, Randall International

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	To understand the Classification of Home textiles	<b>PO1</b>
<b>CO2</b>	To understand the major production centers in India.	<b>PO7</b>
<b>CO3</b>	Importance of trends in home textiles	<b>PO2</b>
<b>CO4</b>	Importance of designers in home textile.	<b>PO3</b>
<b>CO5</b>	Discuss the growing market for home.	<b>PO5</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
<b>SFFD 109A</b>	<b>Home Textile</b>	3	3	3		2		2	3		2

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

<b>SFFD111A</b>	<b>Fashion Design &amp; Development</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic of fashion design</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. To create an understanding of the concepts and terminologies related to fashion design as well as the theories and functions of clothing, and the elements and principles of design.
2. To impart the knowledge about Indian and international fashion industry as well as the roles and responsibilities of designers and the process of fashion forecasting.

### **Course Learning Outcomes:**

On completion of this course, the students will be able to

**CO1:** Learn basic fashion related terminologies like fashion cycle curve, fashion consumer.

**CO2:** To understand fashion categories in terms of style, size and price

**CO3:** To Illustrate and explain a fashion cycle curve.

**CO4:** Fashion capitals of the world, classify the various sources of design inspirations

**CO5:** Style reading and analyze the garments in terms of elements and principles of design

### **Catalogue Description**

This course will give the learner a brief introduction about fashion industry like classification of fashion, what kind of terminologies, elements, principles & techniques are used there for apparel designing. Through this course student get an idea how to communicate their design ideas by using the sketching of their designs.

### **Course Content**

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#### **UNIT I**

**15 lecture hours**

Fashion terms: Fashion, Fad, Classic, Trend, Haute-couture, Prêt-a-porter, Knockoff, accessories, toile, boutique, etc. Introduction of Principal & elements of fashion design.

Fashion centers and their leading designers and brands: Paris, Milan, London, Tokyo, New York, India.

#### **UNIT II**

**15 lecture hours**

Fashion cycle, Consumer identification with fashion life cycle – fashion leaders/ followers/ victims. Men & women body shape analysis, colour test analysis.

### **List of experiments**

1. Analysis of elements of design
2. Analysis of principles of design
3. Case study of any one Fashion designer
4. Analysis of Men & women body shape
5. Analysis of skin color

**Textbooks:**

1. Fringes G.S. (1999). Fashion from Concept to Consumer (6th edition) New Jersey: Prentice Hall.
2. Marshall S G, et al. (2009). Individuality in Clothing & Personal Appearance (6th Edition). USA: Pearson Education.
3. Stamper A.A. Et al., (1991). Evaluating Apparel Quality (2nd Edition). New York:Fairchild Publications.

**Reference Books:**

1. Brown P., Rice J. (1998). Ready to Wear Apparel Analysis. New Jersey: Prentice Hall.
- Jarnow, J. Dickerson G. (1987). Inside the Fashion Business. New Jersey: Prentice Hall.
2. Mc. Kelvey, K., Muslow, J. (2008). Fashion Forecasting. New Jersey: Wiley Blackwell
3. Tate, S.L. and Edwards, M.S. (2006). The Complete Book of Fashion Design. New York:Pearson Education.
4. Verma G. (2018). Fashion Technology. New Delhi: Asian Publishers.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Learn basic fashion related terminologies like fashion cycle curve, fashion consumer.	PO1
CO2	To understand fashion categories in terms of style, size and price	PO7
CO3	To Illustrate and explain a fashion cycle curve.	PO2
CO4	Fashion capitals of the world, classify the various sources of design inspirations	PO3
CO5	Style reading and analyse the garments in terms of elements and principles of design	PO5

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 111A	Fashion Design & Development	3	3	3		2		2	3		2

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

## SEMESTER- II

<b>SFFD104A</b>	<b>FABRIC MANUFACTURING</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic of fabric construction process</b>					
<b>Co-requisites</b>						

### Course Objectives:

1. To impart knowledge about various fabric construction techniques.
2. To familiarize the fabric properties and various fabric finishes to enable better design skills.
3. To aid the fabric choice as per the design, budget and client.

**Course Outcomes:**

On completion of this course, the students will be able to

- CO1.** Identify different parts of a loom and state their functions.
- CO2.** Explain the general properties of woven & knitted fabrics.
- CO3.** Compare and identify the different types of simple & fancy weaves.
- CO4.** Describe the basic & special fabric finishes.
- CO5.** Explain the concept of terminology of weave such as EPI, PPI and GSM.

**Catalogue Description**

The course offers students with full-fledged technical know-how of woven and knitted, non-woven textiles focusing on different techniques of weaving and knitting to create various textile surfaces and fabrics. Students will be given a sound understanding on various areas of weaving and knitting, including a detailed learning of various terminology used for weaving & knitting, technical know-how of the machinery, formation of fabrics/surfaces using various types of weaves for woven and different loop formations for knitting.

**Course Content**

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**UNIT I****10 lecture hours**

Introduction to methods of fabric construction: weaving, knitting, felting, non-woven, laces, braids and nets -their properties.

**UNIT II****12 lecture hours**

Weaving: Basic parts of a loom and their functions. Overview of conventional & non-conventional looms and their working. Knitting: General properties of knitted fabrics, basic weft and warp knitted structure.

**UNIT III****10 lecture hours**

Representation of weaves structures. Basic Weaves and variation - Plain, Twill, Satin. Fancy Weaves – Dobby, Jacquard, Pile, Leno and surface figure. Characteristics & Properties of various weaves.

**UNIT IV****8 lecture hours**

Terminology on weave: like - EPI, PPI, and GSM/oz calculation. Blends: Reasons for blending properties, common blends available in Market. Common fabric Defects. Textile finishes- Introduction, significance and classifications.

**Textbooks:**

1. N. Gokarneshan , “Fabric Structure & Design”, New Age International Limited Publishers

**Reference Books:**

1. Watson's Textile Design & Colour by Z.J. Grosicki published by Woodhead Publishing Limited
2. David J Spencer , “Knitting Technology”, PERGAMON Press.
3. Stephen J. Russell , “Handbook of Non Wovens”, CRC Press,2007
4. Hannelore Elberle,"Clothing Technology",Verlag Europa Lehrmitte
5. B. K. Behera and P. K. Hari , “Woven textile structure – theory and applications”, Woodhead, UK, 2009

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Identify different parts of a loom and state their functions.	PO1
CO2	Explain the general properties of woven & knitted fabrics.	PO4,PO7
CO3	Compare and identify the different types of simple & fancy weaves.	PO6
CO4	Describe the basic & special fabric finishes.	PO4,PO7
CO5	Explain the concept of terminology of weave such as EPI, PPI and GSM.	PO1

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 104A	Fabric Manufacturing	3			3		3	3	3	2	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

SFFD150A	FASHION ART ILLUSTRATION LAB	L	T	P	S	C
Version 1.0		0	0	4	0	2
Pre-requisites/Exposure	Basic knowledge of fabric rendering					
Co-requisites						

### Course Objectives:

1. To prepare professional fashion illustrator who are able to sketch any kind of illustration with every kind of colour medium.
2. To emphasis on the understanding of basic proportions of the fashion figure through the analysis of photographs.

### Course Outcomes:

On completion of this course, the students will be able to

- CO1.** To develop rendering skills with different colours to illustrate various fabric textures.
- CO2.** To develop the skills of drawing garments and garment details.
- CO3.** To understand the illustration of garments and accessories on fashion figures.
- CO4.** Through this course student will know how to create clothing designs by hand.
- CO5.** Fashion sketching plays a major role in designing to preview and visualize designer's thoughts and make decisions before going to actual clothing to reduce any wastage.



## Catalogue Description

Fashion Illustration is the art of communicating fashion ideas in a visual form. It is mainly used by fashion designers to brainstorm their ideas on to paper or computer, Fashion illustration plays a major role in designing to preview and visualize designer's thoughts and make decisions before going to actual clothing to reduce any wastage. Fashion illustrations then rendered with applying the texture, Color, pattern and details with the help of various color & art mediums.

## List of Experiments

1. Draw fashion poses proportionally: Draw female fashion body poses from the textbook and magazines, 1 front view pose, 1 back view pose, and 1 side view pose. Relaxed fashion poses. – 8 lecture hours
2. Demonstrate illustration skills for rendering of garment details, fabric type, and fit. – 6 lecture hours
3. Fashion head illustration: Draw 3 female fashion heads with hair. Render with markers, color pencils, pastels, or paint. – 6 lecture hours
4. Hands and shoes illustration: Draw 5 hands from different angles. Render with marker, Design 5 pair shoes with the foot, Render with marker. – 8 lecture hours
5. Clothing details (elements of fashion including fashion accessories)- Drawing various Fashion elements to form a garment such as, types of sleeves, necklines, pockets, cuffs, collars, yokes, waist bands, bows & ties, frills & flounces etc. – 6 lecture hours
6. Draw 2 fashion poses. Design outfits combining bulky sweater knits, herringbone tweed wool pants or skirts, and leather coat. Render both outfits in compatible colors. – 6 lecture hours

## Reference Books:

1. Hagen, K. (2005). "Fashion Illustration for Designers" NJ: Pearson Prentice Hall.
2. Fernandez, Angel and Roig, Gabriel Martin (2009) "Drawing for Fashion Designers", Batsford.
3. Nunnally, Carol A. (2009) "Fashion Illustration School, A Complete Handbook for Aspiring Designers and Illustrators", Thames & Hudson.

## Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	To develop rendering skills with different colours to illustrate various fabric textures.	<b>PO2</b>
<b>CO2</b>	To develop the skills of drawing garments and garment details.	<b>PO1</b>
<b>CO3</b>	To understand the illustration of garments and accessories on fashion figures.	<b>PO3</b>
<b>CO4</b>	Through this course student will know how to create clothing designs by hand.	<b>PO4</b>
<b>CO5</b>	Fashion sketching plays a major role in designing to preview and visualize designer's thoughts and make decisions before going to actual clothing to reduce any wastage.	<b>PO6</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD150 A	Fashion Art Illustration Lab	3	3	3	3		3		3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD152A</b>	<b>FASHION DESIGN SOFTWARE -I LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Basic knowledge of Photoshop software.</b>					
<b>Co-requisites</b>						

### **Course Objective:**

1. To familiarize students with Photoshop which give a fundamental knowledge about graphical logics in computer such as photo editing, vector images, portfolio setting, applied art and advertisement.
2. Photoshop Basics will help in improving or editing photos and preparing images for design projects.

### **Course Outcomes:**

On completion of this course, the students will be able to

**CO1.** Photoshop helps to keep the creative world moving with intuitive tools and easy to use templates.

**CO2.** Student will acquire knowledge of various tools like adjust, crop, remove objects, retouch and repair old photos.

**CO3.** Through this course student will play with color, effects and more to create boards, artwork with the help of CAD.

**CO4.** Students will enable to generate unique designs, pattern.

**CO5.** Student will familiarize with photo editing, bitmap images, portfolio setting.

### **Catalogue Description**

Photoshop is photo editing and graphic design software. Photoshop is the predominant photo editing and manipulation software on the market. Designer use Photoshop for different purpose such like photo editing, graphics designing, 3d designing, video editing. Students are going to cover some most common features like workspace, layers, smart objects, blend modes, selections techniques, filters and much more necessary features that every designer uses to work on Photoshop.

### **List of Experiments**

1. Learning the Internet-Internet & its scope, connecting to internet, Opening an Email account, sending & receiving Emails. – 2 lecture hours.
2. Draw and manipulate custom raster/vector shapes using the Pen tool and shape tools. - 4 lecture hours.
3. Sharpen, blur, and vignette images using customizable and editable Smart Filters. - 2 lecture hours.
4. Apply professional-quality typography in Photoshop, considering leading, kerning, tracking, baseline shift, and ligatures. - 4 lecture hours.

5. Handle type creatively by applying textures to text, pushing photographs through text and other shapes, and hiding portions of text. - 2 lecture hours.
6. Combine multiple photographs using gradient masks, blending sliders, and displacement maps. - 3 lecture hours.
7. Utilize blend modes, gradients, and the Refine Edge dialog to combine images seamlessly. - 4 lecture hours.
8. Retouch and alter photographs non-destructively, using dodging and burning, adjustment layers. - 3 lecture hours.
9. Create attractive gray scale, partial grayscale, and duotone images. - 2 lecture hours.
10. Use Swatches panel, and Color Libraries to effectively select and manage colour schemes. - 4 lecture hours.
11. Create custom brushes, use the Mixer Brush for freehand painting in Photoshop, and turn images into paintings. - 2 lecture hours.
12. Introduction of creating banner, invite and artwork for specific occasions. - 4 lecture hours.
13. Introduction of creating print artwork for textile like block print, tie-dye, stripes, checks etc. - 4 lecture hours.

**Additional references**

1. Fulkner, Andrew & Chaez, Conrad. (2015) “Classroom in a book”
2. <https://helpx.adobe.com/in/photoshop/how-to/ps-basics-fundamentals.html>
3. <https://we.graphics/blog/photoshop-quick-tip-turn-any-photo-in-a-screen-printed-graphic/>
4. <https://www.lifewire.com/use-a-pattern-fill-in-photoshop-1700226>

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Photoshop helps to keep the creative world moving with intuitive tools and easy to use templates.	<b>PO1</b>
<b>CO2</b>	Student will acquire knowledge of various tools like adjust, crop, remove objects, retouch and repair old photos.	<b>PO2</b>
<b>CO3</b>	Through this course student will play with color, effects and more to create boards, artwork with the help of CAD.	<b>PO3</b>
<b>CO4</b>	Students will enable to generate unique designs, pattern.	<b>PO4</b>
<b>CO5</b>	Student will familiarize with photo editing, bitmap images, portfolio setting.	<b>PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD152 A	Fashion Design Software -I Lab	3	3	3	3			3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>UCES125A</b>	<b>Environmental Studies</b>	L	T	P	C
<b>Version 1.0</b>		3	0	0	3
<b>Pre-requisites/Exposure</b>	Basics of Environment				
<b>Co-requisites</b>	--				

## Course Objectives

1. To aware the students about the environment.
2. To learn the students concepts and methods from ecological and physical sciences and their application in environmental problem solving.
3. To think across and beyond existing disciplinary boundaries, mindful of the diverse forms of knowledge and experience that arise from human interactions with the world around them.
4. communicate clearly and competently matters of environmental concern and understanding to a variety of audiences in appropriate forms.

## Course Outcomes

On completion of this course, the students will be able to

- CO1. To comprehend and become responsive regarding environmental issues.
- CO2. Acquire the techniques to protect our mother earth, as without a clean, healthy, aesthetically beautiful, safe and secure environment no specie can survive and sustain.
- CO3. Enable the students to discuss their concern at national and international level with respect to formulate protection acts and sustainable developments policies.
- CO4. To know that the rapid industrialization, crazy consumerism and over-exploitation of natural resources have resulted in degradation of earth at all levels.
- CO5. Become consciousness about healthy and safe environment.

## Catalog Description

This course imparts the basic concepts of environment which enable them to solve basic problems related to their surroundings. This course helps them to get an idea adverse effect of industrialization, population and degradation of natural resources on the environment. The course introduces the concepts of renewable and non-renewable resources.

## Course Content

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### UNIT I

**8 Lectures**

#### **Environment and Natural Resources:**

Multidisciplinary nature of environmental sciences; Scope and importance; Need for public awareness.

Land resources; land use change; Land degradation, soil erosion and desertification.

Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.

Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Carbon Footprints.

## **UNIT II**

**16 Lectures**

### **Ecosystems and Biodiversity:**

Ecosystem: Definition and Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession.

Case studies of the following ecosystems:

- a) Forest ecosystem
- b) Grassland ecosystem
- c) Desert ecosystem
- d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots ; India as a mega-biodiversity nation; Endangered and endemic species of India; Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity; Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

## **UNIT III**

**15 Lectures**

Environmental Pollution and Environmental Policies:

Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution Nuclear hazards and human health risks; Solid waste management: Control measures of urban and industrial waste; Pollution case studies.

Sustainability and sustainable development; Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture; Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; wildlife Protection Act; Forest Conservation Act; Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context. Fundamentals and Application of ESG (Environment Social Governance).

## **UNIT IV**

**11 Lectures**

Human Communities and the Environment and Field work:

Human population growth: Impacts on environment, human health and welfare; Resettlement and rehabilitation of project affected persons; case studies; Disaster management: floods, earthquake, cyclones and landslides; Environmental movements: Chipko, Silent valley, Bishnoi's of Rajasthan; Environmental ethics: Role of Indian and other religions and cultures in environmental conservation; Environmental communication and public awareness, Recent Case studies related to earthquakes, Floods, Famine, Water Crisis/Scarcity, Smog, Water contamination at National and International Level.

Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.

Visit to a local polluted site-Urban/Rural/Industrial/Agricultural.

Study of common plants, insects, birds and basic principles of identification.

Study of simple ecosystems-pond, river, Delhi Ridge, etc.

### **Textbooks**

1. Kaushik and Kaushik, Environmental Studies, New Age International Publishers (P) Ltd. New Delhi.

### **Reference Books/Materials**

1. A.K. De, Environmental Chemistry, New Age International Publishers (P) Ltd. New Delhi.
2. S.E. Manahan, Environmental Chemistry, CRC Press.
3. S.S Dara and D.D. Mishra, Environmental Chemistry and Pollution Control, S.Chand & Company Ltd, New Delhi.
4. R. Gadi, S. Rattan, S. Mohapatra, Environmental Studies Kataria Publishers, New Delhi.

### **Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination Examination Scheme:**

<b>Components</b>	<b>Quiz I</b>	<b>Quiz II</b>	<b>Mid Term Exam</b>	<b>Presentation/ Assignment/ etc.</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>



**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	The learners will be able to comprehend and become responsive regarding environmental issues.	<b>PO6</b>
<b>CO2</b>	Students will acquire the techniques to protect our mother earth, as without a clean, healthy, aesthetically beautiful, safe and secure environment no specie can survive and sustain.	<b>PO10</b>
<b>CO3</b>	It enables the students to discuss their concern at national and international level with respect to formulate protection acts and sustainable developments policies.	<b>PO8</b>
<b>CO4</b>	Students come to know that the rapid industrialization, crazy consumerism and over-exploitation of natural resources have resulted in degradation of earth at all levels.	<b>PO9</b>
<b>CO5</b>	Students become consciousness about healthy and safe environment.	<b>PO2</b>

		Enhancement in Advanced Scientific knowledge about chemistry	Development of critical, logical and innovative thinking	Demonstrate interdisciplinary approach	Learning of fundamental concepts and instrumentation techniques	Orientation towards research and development	Acquiring capability to work independently as well as a member of the diverse team	Understanding of impact of chemicals on the environment	Fostering communication skills	Ethical awareness and digital literacy	Capability to deal with professional responsibilities	Systematic and coherent understanding of theoretical and practical concepts	Appreciate the techniques for the qualitative and quantitative analysis	Learn problem solving approach	Apply principles of chemistry to address societal problems
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
<b>UCES 125A</b>	Environmental Studies		2				3		3	3	2			3	

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

<b>SFFD114A</b>	<b>HISTORY OF FASHION</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of evolution of the Indian and western clothing</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. To acquire the knowledge about the understanding and appreciation of the evolution of the Indian and western clothing at the cradle of the civilization, prehistoric times through the classical eras to the middle ages and in the most recent times.
2. To develop an understanding of Indian and western costumes which acts as a vital piece of material that helps to understand what has happened in the past and how it affects our present.

### **Course Outcomes:**

On completion of this course, the students will be able to

CO1. This course helps the student to see fashion design through the prism of history.

CO2: Students will understand traditional clothing styles of various countries.

CO3: Student will acquire knowledge of Ancient Egypt, Ancient Greek, Ancient Rome, and Renaissance.

CO4: Through this course student will understand the evolution, changes and developments in clothing in the Indian context as well as in British era.

CO5: Understand to create a wardrobe that represents a certain character trait. Sometimes they will be called to replicate the clothing of a historical period. Other times, they might find themselves imagining how to dress characters in the future, or in a fantasy land.

### **Catalogue Description**

This course is all about history of fashion, costumes, makeup, footwear's that were worn in different era of Indian dynasties like: Pre-Historic Era, Vedic Period, Mauryan, Sunga Period etc and different era of British era like: Ancient Egypt, Ancient Greek, Ancient Rome, and Renaissance. Through this course student will understand the evolution, changes, and developments in clothing in the Indian context as well as in British era.

### **Course Content**

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#### **UNIT I**

**12 lecture hours**

History of Indian Costume I: Pre-Historic Era, Vedic Period, Maurya and Sunga Period, Satvana period.

**UNIT II****8 lecture hours**

History of Indian Costume II: Kushan period, Gupta period, Mughal, British.

**UNIT III****10 lecture hours**

History of Western Costumes I: Ancient Egypt, Ancient Greek, Ancient Rome, Renaissance.

**UNIT IV****10 lecture hours**

History of Western Costumes II: History of fashion from 18th, 19th and 20th century

**Textbook:**

1. Bhatnagar, Dr.Parul. (2004) “Traditional Indian Costumes and Textiles”, Abhishek Publication, Chandigarh.
2. Haver, James. “Costumes & fashion, a concise history” 4th edition.

**Reference Books:**

1. Alkazi, Roshen. (2008) “Ancient Indian Costumes Vol. I and II”, Art Heritage.
2. Bhandari, Dr. Vandana. (2005)“Costume, Textiles and Jewellery of India: Traditions in Rajasthan”, Mercury Books, London.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	This course helps the student to see fashion design through the prism of history.	<b>PO1</b>
<b>CO2</b>	Students will understand traditional clothing styles of various countries.	<b>PO1,PO7</b>
<b>CO3</b>	Student will acquire knowledge of Ancient Egypt, Ancient Greek, Ancient Rome, and Renaissance.	<b>PO1</b>
<b>CO4</b>	Through this course student will understand the evolution, changes and developments in clothing in the Indian context as well as in British era.	<b>PO4</b>
<b>CO5</b>	Understand to create a wardrobe that represents a certain character trait. Sometimes they'll be called to replicate the clothing of a historical period. Other times, they might find themselves imagining how to dress characters in the future, or in a fantasy land.	<b>PO5</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
<b>SFFD114A</b>	History of fashion	3			3	3		3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD158A</b>	<b>ART OF DRAPING</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Advanced Knowledge of Swim wear and Beach wear Patterns</b>					
<b>Co-requisites</b>						

### **Course Objective:**

To understand the method of draping & learn how to drape bodice, sleeve, skirts & cowl necks. Develop three-dimensional design ideas through draping of muslin on a body form. Evaluation of existing garments and/or sketches to determine appropriate draping techniques needed to develop design.

### **Course Learning Outcomes:**

On completion of this course, the students will be able to

**CO1:** To learn the basic draping terminology & fabric preparation for draping & concept of draping art.

**CO2:** To enable students to handle various types of fabrics and develop their own designs into a draped garment

**CO3:** Be able to appreciate the importance of the grain of the fabric in relation to design  
Style read a given design and prepare a dress for the same

**CO4:** Create basic blocks like, bodice, skirt and trouser using draping method & able to convert flat fabric into a garment with proper fit

**CO5:** Learn to develop new design by using your creativity.

### **Catalogue Description**

The course focuses on the process and stages involved in Draping. Draping for fashion design is the process of positioning and pinning fabric on a dress form to develop the structure of a garment design. A garment can be draped using a design sketch as a basis, or a fashion designer can play with the way fabric falls to create new designs at the start of the apparel design process. In draping process, Pieces of muslin are cut and prepared. This includes measuring, tearing, blocking, pressing, and marking grain lines and other important reference lines.

### **Course Content**

#### **List of Experiments**

1. To understand the terminology of draping, dummy preparation, muslin preparation for draping.
2. Drape basic bodice block- front & back, with one & two dart combination.
3. Dart manipulation through draping – french dart, centre front waist dart, side seam dart, mid neck dart, cluster dart, gather dart etc.
4. Drape basic sleeve, basic straight skirt front & back, basic trouser, basic torso.

5. Drape Any 2 variation of skirt, torso dress, top & trouser
6. Drape basic princess bodice front & back, drape a corset princess bodice.
7. Drape cowl neck front, twist and knots front dress / top.
8. Pleated saree drape, a casual saree drape, gujarati style saree drape, pant style saree drape.

**Reference Books:**

1. Helen Joseph Armstrong, (1999) Title of the Book, Draping for Apparel Design.
2. Karolyn Kiise, (1 October 2013) Draping: The Complete Course.
3. Hilde Jaffe, Professor Emeritus, (27 October 1999) Draping for Fashion Design, 5th Edition, Fashion Institute of Technology.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.  
Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	To learn the basic draping terminology & fabric preparation for draping & concept of draping art.	PO1
CO2	To enable students to handle various types of fabrics and develop their own designs into a draped garment	PO3
CO3	Be able to appreciate the importance of the grain of the fabric in relation to design Style read a given design and prepare a dress for the same	PO5,PO2
CO4	Create basic blocks like, bodice, skirt and trouser using draping method & able to convert flat fabric into a garment with proper fit	PO6,PO7
CO5	Learn to develop new design by using your creativity.	PO4

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	P O 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
<b>SFFD158 A</b>	ART OF DRAPING	2	3	3	3	3	3	3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

### OPEN ELECTIVE

#### SEMESTER-II

<b>SFFD110A</b>	<b>Import- Export Management</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.2</b>		<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Fundamental knowledge of International Business</b>					
<b>Co-requisites</b>						

#### Course Objectives:

1. To understand the concept of international business, export-import marketing and procedure.
2. To acquire knowledge of export-import promotion and documentations.

#### Course Outcomes:

On completion of this course, the students will be able to

- CO1: Understand the concept of international business.  
 CO2: Appreciate difference between domestic, export and import.  
 CO3: Identify the importance and need of exports.  
 CO4: Knowledge of documentation and its requirement.  
 CO5: Recognize the Exim policy and promotional measures.



## Catalogue Description

This course will give a systematic overview to the learner about of the various Import and export methodologies, policies, procedures and importance of marketing and merchandising in Apparel Industry etc. This subject will help students to identify and creating fashion trends to sell the products created by fashion designers. Drawing on their knowledge of consumer psychology and trends, they promote fashion with advertising and visual marketing campaigns. The fashion merchandising field includes jobs in both retail and wholesale sales.

## Course Content

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### **UNIT 1** **10 lecture hours**

Introduction of International Business, Introduction of Exports Market, Objective, Features and Importance of Export marketing. Difference between Domestic and Export Market. Benefits to Nation and Firm. Exim Policy, Highlights of Exim Policy.

### **UNIT 2** **8 lecture hours**

Export Documentation, Solution for problems related to export marketing. Introduction of Letter of Credit, Types and Features. Promotion Measures & Schemes- Drawback, EPZ/EOU units.

### **UNIT 3** **12 lecture hours**

Import- Introduction, Import Procedure, Import documentation for Custom Clearance, Import Policies, Regulation on Imports, Tariffs on Imports, An International Fashion Mix.

### **UNIT 4** **10 lecture hours**

Import Facilities for Exporters, Benefits for Export Houses and trading Houses, Set up a business in India with Import-Export License. Processing of an Export Order. Future Scenario of the Export-Import.

### **Textbooks:**

1. Raj, Dr. Dev (2010) *“Import Export Procedures & Documentation”*, Rajat Publications.
2. Cherunilam, Francis (2017) *“International trade and export management”*, Himalaya Publishing House.

### **Reference Books:**

1. Bade, Donna L. & Johnson, Thomas E, (2010) *“Export/Import Procedures and Documentation”*, 4<sup>th</sup> Edition, Amacom Publisher.
2. [Kaynak](#), Erdener & [Seyoum](#), Belay (2014) *“Export-Import Theory, Practices, and Procedures”*, 1<sup>st</sup> Edition, Routledge.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	Understand the concept of international business.	<b>PO1</b>
<b>CO2</b>	Appreciate difference between domestic, export and import.	<b>PO3</b>
<b>CO3</b>	Identify the importance and need of exports.	<b>PO5</b>
<b>CO4</b>	Knowledge of documentation and its requirement.	<b>PO7</b>
<b>CO5</b>	Recognize the Exim policy and promotional measures.	<b>PO4</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 110A	Import-Export Management	2		3	3	2		2	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD112A</b>	<b>Fashion Accessories Design</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.2</b>		<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic of fashion Accessories</b>					
<b>Co-requisites</b>						

### Course Objective:

1. To introduce students with various kinds materials used for accessories & their importance of accessories in fashion and day to day dressing.
2. To provide comprehensive knowledge about the design development process of accessories design.

### Course Outcomes:

On completion of this course, the students will be able to

CO1: Recognize the role and importance of fashion accessories in the apparel industry

CO2: Describe the various categories, history, styles and production methods of fashion accessories

CO3: Restyle and coordinate accessories with apparel using creative ideas

CO4: Understand forecast, trends, and process of accessory designing

CO5: Develop skills in range planning and creating fashion accessory.

## Catalogue Description

This course will give a systematic overview to the learner about of the various Accessories fundamentals and Designing process like jewellery, embellishments and leather goods intended to complement clothing and contribute to a comprehensive fashion image.

## Course Content

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### UNIT I

**12 lecture hours**

Overview of fashion accessories industry, History of accessories, types of accessories, structure of accessories industry, impact of accessories industry on Indian economy. Importance of accessories in apparel industry.

### UNIT II

**8 lecture hours**

Role of an accessory designer, Categories of accessories: Functional accessory and decorative accessory, Introduction to leather, metal and other materials. Restyling project- Restyling of plain accessories using creative techniques.

### UNIT III

**10 lecture hours**

Introduction to important accessory co-ordinates in daily life e.g., wallets, bags, shoes, belts, etc., Preview on traditional Indian and contemporary jewellery, Brief history, common styles, components, materials used and production methods of accessories.

### UNIT IV

**12 lecture hours**

Coordinating accessories and outfits, Creative Design Development of accessories, inspiration and Research, Trend forecasting of fashion accessories ,Design development Developing a theme-based range ,Presentation techniques.

### Textbooks:

1. Shailaja D. naik, (1996) Traditional Embroideries of India.
2. Jane Schaffer & Sue Saunders 2012, "Fashion Design Course: Accessories", Thames & Hudson.

### Reference Books:

1. Aneta Genova 09-20-2011, Accessory Design Fairchild Books
2. John Lau(2012) Basics Fashion Design 09: Designing Accessories by published by AVA Publishing
3. Thames & Hudson. 2011, The Fashion Design Directory by Marnie Fogg published

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	Recognize the role and importance of fashion accessories in the apparel industry	<b>PO1</b>
<b>CO2</b>	Describe the various categories, history, styles and production methods of fashion accessories	<b>PO1</b>
<b>CO3</b>	Restyle and coordinate accessories with apparel using creative ideas	<b>PO3</b>
<b>CO4</b>	Understand forecast, trends, and process of accessory designing	<b>PO2</b>
<b>CO5</b>	Develop skills in range planning and creating fashion accessory.	<b>PO4</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD112A	Fashion Accessories Design	3	2	3	3				3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

### SEMESTER-III

<b>SFFD203A</b>	<b>OVERVIEW OF FASHION INDUSTRY</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Advance knowledge of Global and Indian Fashion Industry.</b>					
<b>Co-requisites</b>						

#### Course Objectives:

1. To provide a wide-range exposure of the global fashion industry, structure and functioning of apparel industry.
2. To enable students to improve understanding of the apparel handling in the industry as per the current practices prevalent by apparel analysis.

### **Course Outcomes:**

On completion of this course, the students will be able to

CO1. To aware students with fashion garment vocabulary & fashion terms: fashion, fad, classic etc.

CO2: To learn the types & structure of the global & Indian fashion industry.

CO3: Identify the fashion capitals in the world.

CO4. To learn fashion adoption theories, fashion life cycle & workflow in a garment manufacturing unit

CO5: To understand the fashion forecasting, importance, process & identify the role of forecaster in apparel design.

### **Catalogue Description**

The course offers a comprehensive exposure on the structure and functioning of the Global Fashion Industry, enabling students to improve understanding of the Apparel handling (Fabric to Ready product) in the industry as per the current practices prevalent by Apparel Analysis. The course focuses on importance of supply chain practices and supply chain management tools in the Industry for efficient and effective working.

### **Course Content**

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#### **UNIT I**

**12 lecture hours**

Fashion terms: Fashion, Fad, Classic, Haute-couture, Prêt-a-porter, Knockoff, Accessory, Toile, Atelier, Boutique, Avant Garde, Empire line, Season, Garment Vocabulary- T-shirt, trouser jodpuri pants, bell bottom, hauler neck, racer back, kimono, Reglan sleeve etc.

Overview of global & Indian fashion Industry types, structure, impact on economy. Major fashion centers of the world and their leading designers and brands- Paris, Milan, Tokyo, New York, London, India.

#### **UNIT II**

**8 lecture hours**

Forecasting: Purpose of forecasting trends, how to use forecasting service, Factors influencing fashion trends. Fashion cycle, Consumer identification with fashion life cycle – fashion leaders, fashion followers, Fashion victims, Theories of Fashion adoption – trickle down, trickle up and trickle across, Factors favoring and retarding fashion, Men's, Women's & kids fashion categories in terms of style, size, price, Fashion promotion and communication channels Trade fairs, Fashion shows.

#### **UNIT III**

**8 lecture hours**

Technical drawing in apparel, importance of technical drawing in fashion industry, how to prepare technical drawing, sections of technical pack- Garment Flats, Specifications, Spec sheet, Study of Spec sheet. How to disassemble Garments for Apparel Study, Break down of components of a Garment Parameters for apparels evaluation – Top+ Bottoms.

**UNIT IV****12 lecture hours**

Organization structure of Buying Agency & Manufacturing units. Workflow of a Garment Manufacturing unit, departments and their functions. Merchandiser, types of merchandiser, Role of apparel merchandiser. Role of supply chain in garment industry, Tools & strategies used in fashion industry.

**Textbook:**

1. H.L (1965.) "The theory of Fashion ", John Wiley & Sons, Brockman,
2. Sr. Prof. BanhiJha, Mr. Prem Kumar Gera (2014) "Overview of Fashion Industry-I" first edition, published by: The Secretary, Central Board of Secondary Education.
3. Frings G. (1996). Fashion-From Concept to Consumer (5th Edition). USA: Prentice Hall Publications
4. Marshall S G, et al. (2009). Individuality in Clothing & Personal Appearance (6th Edition).USA: Pearson Education

**Reference Books:**

1. Jarnow J, Judelle B. (1987) Inside Fashion Business. New Jersey: Merrill Prentice Hall.
2. Shorie G.P. (2007) Vastra Vigyan KeMool Siddhant. Agra: Vinod Pustak Mandir.
3. Stone E. (2008) The Dynamics of Fashion. New York: Fairchild Publication.
4. Verma P. (2003) Vastra Vigyan Evam Paridhan. Bhopal: Hindi Granth Academy.
5. Swinney, John B (1942) "Merchandising of Fashion ", Ronald press,
6. Solomon, Michael R (2012), "Consumer Behaviour in Fashion", Pearson
7. Dr.JanardhaJha (2006) Apparel Merchandising, Manipal University

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50



### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	To aware students with fashion garment vocabulary & fashion terms: fashion, fad, classic etc.	PO1
CO2	To learn the types & structure of the global & Indian fashion industry.	PO6
CO3	Identify the fashion capitals in the world.	PO7
CO4	To learn fashion adoption theories, fashion life cycle & workflow in a garment manufacturing unit	PO3
CO5	To understand the fashion forecasting, importance, process & identify the role of forecaster in apparel design.	PO5

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 203A	Overview of fashion industry	3		3		3	2	3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD205A</b>	<b>Textile Chemical Processing</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.2</b>		<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>5</b>
<b>Pre-requisites/Exposure</b>	<b>Technical Knowledge of Textile Dyeing &amp; printing</b>					
<b>Co-requisites</b>						

#### Course Objectives:

1. To provide comprehensive knowledge about the concepts of dyeing and printing of textiles.
2. To create an understanding of the various traditional Indian dyed and printed textile.

### **Course Outcomes:**

On completion of this course, the students will be able to

CO1. Describe the steps involved in preparing fabrics for dyeing and printing.

CO2: State the difference between natural and synthetic dyes.

CO3: Explain the importance of testing colour fastness of dyes.

CO4: Differentiate between and explain the styles and methods of printing.

CO5: Make use of tie and dye, Block printing and batik for dyeing and printing.

### **Catalogue Description**

The course imparts knowledge to students on fabric formation, its properties and classification on fabric formation and machines used in the industry for the same. Understanding the term textiles in context of weaving and knitting, developing skills to visualize, create and develop textile surfaces.

### **Course Content**

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#### **UNIT I**

**12 lecture hours**

Introduction and flow chart of Pre-treatment Wet Processing: singeing, desizing, scouring, bleaching, mercerizing, Overview of wet processes machineries.

#### **UNIT II**

**15 lecture hours**

Introduction to natural and Synthetic dyes. Dyeing of cotton material with direct dye, vat dye, Sulphur dye, azoic dye. Dyeing of silk/ wool material with acid dye, basic dye. Dyeing of synthetic textile material. Dyeing machines- Fibre, Yarn, Fabric. Color fastness: Factor effecting color fastness - Wash, Rubbing, Light fastness and their evaluation.

#### **Dye Based Experiments –**

Sample preparation based on direct dye on cotton fabric, vat dye, acid dye, basic dye on cotton, silk,

#### **UNIT III**

**10 lecture hours**

Dyeing vs. Printing. Concept of Printing, Styles of printing: Direct, Resist, Discharge-tie and Dye, Batik, Mud Resist. Introduction to printing techniques and methods.

#### **UNIT IV**

**15 lecture hours**

Methods of printing – Block, Roller, Screen, Rotary screen, Heat Transfer, Digital, Flock, Common dyeing and printing defects.

#### **Printing Based Experiments –**

- Sample preparation based on Block, Roller, Screen, Rotary screen printing techniques.

**Textbook:**

1. Sara J.Kadolph , "TEXTILES ",Pearson.

**Reference Books:**

1. Howard C Needles , "Textile Fibres ,Dyes ,Finishes& Process",Noyes Publications.
2. E.P.G Gohl & L.D.Vilensky , "Textile Science",CBS Publishers & Distributors

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Describe the steps involved in preparing fabrics for dyeing and printing.	<b>PO1</b>
<b>CO2</b>	State the difference between natural and synthetic dyes.	<b>PO3</b>
<b>CO3</b>	Explain the importance of testing colour fastness of dyes.	<b>PO5</b>
<b>CO4</b>	Differentiate between and explain the styles and methods of printing.	<b>PO7</b>
<b>CO5</b>	Make use of tie and dye, Block printing and batik for dyeing and printing.	<b>PO4</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD205A	Textile Chemical Processing	2		3	3	2		3	3	2	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD251A</b>	<b>SKETCHING-I LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.4</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of Fashion drawing techniques</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. Student will gain the knowledge of drawing the technicalities & details of various Fashion elements with the correct Terminologies.
2. This subject will also provide the skills to draw different hair styles with a practice of Facial details like eyes, lips, ears etc.

### **Course Outcomes:**

On completion of this course, the students will be able to

- CO1. Students are able to develop their own stylized fashion figure.
- CO2. To understand the look of the garment and style features.
- CO3. To be able to create variations in terms of colour combinations and colour ways
- CO4. To be able to highlight the garment details & presentation techniques.
- CO5. To be able to prepare flat sketches of the garments for effective use for product development.

## Catalogue Description

In Fashion Design, Sketches help to convey ideas, demonstrate functionality, visualize user flow, and illustrate anything that requires human interaction. Through sketching skill domain students will enable to generate different 2 D & 3D design by using different point perspective view for creative & innovative designs and help them to achieve desired stylized fashion figure pose as well as to communicate his design ideas in a better way. Student will gain the knowledge of drawing the technicalities & details of various Fashion elements with the correct fashion Terminologies.

## Course Content

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### List of Experiments

1. Stylized Fashion figure of Male, Female fashion figure, Different views such as Front, Back, Side & 3/4<sup>th</sup>. Drawing arms, legs, feet, palm, & different positions.
2. Face details with hair styles- Drawing different face positions such 3/4<sup>th</sup>, front, side, facial details like eyes, nose and lips.
3. Free hand figure drawing techniques, Analysing stylization- Exaggeration, Developing own style with line drawing and colour.
4. Accessorizing croqui: Headgears. Footwear. Hand bags. Belts. Bows and ties. Eyewear. Jewelry. Gloves & Scarves.
5. Presentation Techniques - Layout techniques, Story board techniques
6. Flat drawing, Spec Sheets, cost sheet.
7. Women's & men's wear collection: Conceptualization, Design Development sheets. Occasions – wedding, formal meeting. Lifestyle - urban, rural, tribal, hippy, retro etc. Seasons - winter, summer, rainy, spring etc.
8. Women's & men's wear collection: Conceptualization, Design Development sheets. Occasions – holidays, party. Lifestyle - urban, rural, tribal, hippy, retro etc. Seasons - winter, summer, rainy, spring etc.

### Reference Books:

1. Bina Abling , “Fashion Sketchbook”, 4th edition , Fairchild Publications, Inc. New York Publication Year – 2004.
2. Figure drawing Elisabetta druid & Tizianapaci Pepin press, 2005
3. Mode (Fashion, Drawing & design) Hannelore Eberle & Auflage publication, Hannes Dollel 2010
4. Illustrating Fashion Concept to creation Steven Stipelman 2 nd edition , Fairchild Publications, Inc. New York Publication Year – 2005

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Students are able to develop their own stylized fashion figure.	PO2
CO2	To understand the look of the garment and style features.	PO3
CO3	To be able to create variations in terms of colour combinations and colour ways	PO4
CO4	To be able to highlight the garment details & presentation techniques..	PO6
CO5	To be able to prepare flat sketches of the garments for effective use for product development	PO7

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 251A	Sketching -I LAB		3	3	3		3	3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD253A</b>	<b>FASHION DESIGN SOFTWARE -II LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.4</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Advance Knowledge of fashion software.</b>					
<b>Co-requisites</b>						

**Course Objectives:**

1. Students will acquire the knowledge of design software like corel draw & Photoshop.
2. Student will learn how to start improving & developing vector images for design projects.  
After completion students will able to develop their own print designs.

**Course Outcomes:**

On completion of this course, the students will be able to

- CO1. Students will acquire a sound knowledge of various design software’s like Corel draw and Photoshop.
- CO2: Conceptualize, design and create graphics, prints, patterns, textures etc.
- CO3: Through this course student will play with color, effects and more to create concept boards- mood board, color board etc. & artwork with the help of corel draw.
- CO4: Students will enable to generate / manipulate the pattern to achieve desired style or look according to their project work.
- CO5: Photoshop helps students in portfolio presentation & portfolio editing work.

**Catalogue Description**

Students will acquire a sound knowledge of various design software’s like Corel draw and Photoshop, a powerful tool that offers a wide scope to conceptualize, design and create graphics, prints, patterns, textures etc. for various design led projects using computers as a medium. Hands on experience with the software and related design assignments, offers a wide scope to the learner to implement creative ideas in various permutations and combinations, bringing creative ideas into a realistic approach and outcome.

**Course Content**

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**List of Experiments**

1. Draw and manipulate custom raster/vector shapes using the Pen tool and shape tools.
2. Create precise selections in low-contrast images using vector masks and paths.
3. Use smart Objects in Photoshop to non-destructively edit, link, update images.
4. Sharpen, blur, and vignette images using customizable and editable Smart Filters.
5. Apply professional-quality typography in Photoshop, considering leading, kerning, tracking, baseline shift, and ligatures.
6. Handle type creatively by applying textures to text, pushing photographs through text and other shapes, and hiding portions of text.

7. Create attractive gray scale, partial grayscale, and duotone images.
8. Use Swatches panel, and Color Libraries to effectively select and manage colour schemes.
9. Create custom brushes, use the Mixer Brush for freehand painting in Photoshop, and turn images into paintings.
10. Create Mood & Trend Presentation Boards, creating textile patterns with Photoshop.
11. Creating women's wear, kids wear & men's wear illustrations using pen tool.
12. Creating invitation card, visiting cards and greeting cards.

**Reference Books:**

1. H Faulkner, Andrew and Chavez, Conrad. (2015 Edition) Adobe Photoshop CC.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Students will acquire a sound knowledge of various design software's like Corel draw and Photoshop.	PO1
CO2	Conceptualize, design and create graphics, prints, patterns, textures etc.	PO3
CO3	Through this course student will play with color, effects and more to create concept boards- mood board, color board etc. & artwork with the help of corel draw.	PO4
CO4	Students will enable to generate / manipulate the pattern to achieve desired style or look according to their project work.	PO5
CO5	Photoshop helps students in portfolio presentation & portfolio editing work.	PO7



		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD253 A	Fashion design software -II LAB	3		3	3	3		3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

SFFD255A	GARMENT CONSTRUCTION LAB	L	T	P	S	C
Version 1.4		0	0	4	0	2
Pre-requisites/Exposure	Advance apparel construction knowledge					
Co-requisites						

### Course Objectives:

1. To understand the construction of collars, sleeves, bodice, skirt with their variations.
2. To acquire the skills and knowledge that are appropriate for developing garment and learn various techniques to assemble the end product.
3. To understand the importance and necessity of various construction techniques for different fabrics, and to acquire the skills to apply those construction techniques in a sample form.

### Course Outcomes:

On completion of this course, the students will be able

CO1. Define basic sewing terminologies.

CO2: Explain the preparatory steps of garment construction such as straightening, layout, marking and cutting.

CO3: Explain the methods of construction of variations of collars, sleeves, bodice and skirt.

CO4: Describe the fullness removal techniques such as sleeves, necklines, collars.

CO5: To understand the different parts of the sewing machine and their functions & identify the causes of working defects of sewing machines and solution

## **Catalogue Description**

This course will give detailed overview to the learner about understanding and usage of different finishing skills that are required to finish different components of a garment, develop skill of handling various fabrics for garment construction. In this course students will learn kid's wear that will be conducted through various creative projects. It's gives a hands on experience of operating different sewing machines, various seams that will require to create a different pattern as well as add some technical design element in garment.

## **Course Content**

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### **List of Experiments**

1. Machine seams: Plain seam, French Seam Run 'n' fell, corded seam, Bias seam -2 lecture
2. Pleats: Knife Pleat, Box Pleat, Inverted Pleat-2lecture
3. Plackets:- Faced placket, Continuous, Gathers-Single and Double Thread Gathers- 2lecture
4. Collars & Neck Lines: Collars: Peter pan, Cape collar, Sailor collar, shirt collar- 4lecture
5. Pockets: Patch pocket, Flap pocket, Welt pocket, cargo pocket, in seam pocket, kangaroo pocket, seamed pocket, Cross pocket - 8lecture
6. Sleeves: Sleeves: Plain, Puff, Petal, Magyar, cap sleeve, bell sleeve, shirt sleeve- 2lecture
7. Bodies with dart Manipulation Princess line foundation- classic princess style line, armhole princess style line, panel style line – 8 lecture
8. Torso With Sleeve Variation 8 lecture
9. Skirt Variation
10. Basic Trouser
11. Basic Ethnic wear
12. Construction of 1 Women's garment using above elements.

### **Reference Books:**

1. Readers Digest, January 1, 1981 Complete Guide to Sewing, The Readers Digest Association.
2. Alison Smith, Doring Kindersely, 04 Aug 2003 Complete Book of Sewing.
3. Gladys Cunningham, January 1, 1969 Singer Sewing Book, the Singer Company, 1st edition.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	Define basic sewing terminologies.	<b>PO1</b>
<b>CO2</b>	Explain the preparatory steps of garment construction such as straightening, layout, marking and cutting	<b>PO4</b>
<b>CO3</b>	Explain the methods of construction of components such as Seams, tucks, pleats, gathers, plackets, pockets, hemlines, necklines, collars, cuffs etc.	<b>PO3</b>
<b>CO4</b>	Describe the fullness removal techniques such as sleeves, necklines, collars.	<b>PO5</b>
<b>CO5</b>	To understand the different parts of the sewing machine and their functions & identify the causes of working defects of sewing machines and solution.	<b>PO7</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 255A	Garment construction Lab	2		3	3	3		3	3	3	

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD257A</b>	<b>SUMMER TRAINING -I</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.5</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Pre-requisites/Exposure</b>	<b>Real-time exposure of Industry Work</b>					
<b>Co-requisites</b>						

### Course Objectives:

1. To gain practical knowledge of various department workflow in apparel and textile industry & to gain hands on experience of working in a professional manner.

### Course Outcomes:

On completion of this course, the students will be able to

- CO1. To involve students with fashion industry professional.
- CO2. To enhance their practical knowledge.
- CO3. Students will participate in the ongoing activities of the organization as advised by the industry mentor.
- CO4. Collect the required information and prepare a written report to be presented in the department.
- CO5. To prepare a project based on his/her industry learning.

## Catalogue Description

This course is design for giving fashion industry exposure as per student's interest areas like garment export house/Retail house etc. student can choose any on Field for 30 day's internship programme.

## Course Content

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**Note- 45 day's internship programme.** Document/ internship report submission after internship.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

## Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	To involve students with fashion industry professional.	PO2
CO2	To enhance their practical knowledge.	PO3
CO3	Students will participate in the ongoing activities of the organization as advised by the industry mentor.	PO5
CO4	Collect the required information and prepare a written report to be presented in the department.	PO7
CO5	To prepare a project based on his/her industry learning.	PO4

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 257A	SUMMER TRAINING - I		3	3	3	3		2	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

SFFD265A	Pattern Making-II Lab	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding advance drafting of Women's wear</b>					
<b>Co-requisites</b>						

### Course Objective:

1. To acquire knowledge of Human body structure and measurements.
2. To learn pattern making principle like dart manipulation.
3. To draft adult bodice block with variations as per standard size.

### Course Outcomes:

On completion of this course, the students will be able to

CO1: Through this course student will able to develop adult bodice block / female basic bodice block with it's variation.

CO2: Importance of dart manipulation in garments. Learn various kind of variations of collars, sleeves, skirts.

CO3: Understand the concept of fit and balance in women's wear.

CO4: They will learn how to manipulate basic patterns for creating new designs.

CO5: Students learn technical overview of fit related problems and find out their technical solution.

### **Catalogue Description**

The course is aimed to prepare professionals in Pattern Making for women. This course will give the learner to relate female body shapes to patterns and understand control points of control in each pattern to achieve desired fit on the basis of measurement system, allowances and darts in transfer, the student starts approaching to the details such as: collars, sleeves, skirts, blouses, trousers and dresses.

### **List of Experiments**

1. Torso Foundation with Single Dart And 2 Dart Series-4 Lecture
2. Dart Manipulation-Slash and spread technique, Pivot transfer technique, Single dart series, Double dart series. – 8 lecture hours
3. Princess line foundation- classic princess style line, armhole princess style line, panel style line – 8 lecture hours
4. Designing with Darts: Tuck - Darts, Pleats, Flares, and Gathers – 4 lecture hours
5. Sleeves (Set –in)-Plain, Puff & derivations, Cap, Petal, Bishop, leg-o mutton, Lantern etc. – 4 lecture hours
6. Collars -Nonconvertible, flat roll, Partial roll, Full roll, Collars with deep open, necklines. Convertible, Mandarin, Roll, Collars with stand. – 4 lecture hours
7. Skirts -Basic single & double dart skirt, A- line skirt, Panelled skirt, gored skirt, Flounce skirt, Wrap around skirt, Circular skirt, Circular with uneven, hemline skirt – 12 lecture hours
8. Trouser and it's Variation – 2 lectures
9. Basics of Ethnic wear – 4 lectures

### **REFERENCE BOOKS:**

1. Helen Joseph Armstrong, 2009“Patternmaking for Fashion Design”, Pearson, Fifth edition.
2. Pamela C Stringer, (1992) “Pattern Drafting for Dressmaking”, Published by Bats ford Ltd
3. Winifred Aldrich, (2015) Metric Pattern Cutting for Women's Wear 6th edition

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Through this course students will able to develop adult bodice block / female basic bodice block.	PO2
CO2	Importance of dart manipulation in garments. Learn various kind of collars, sleeves, skirts.	PO3
CO3	Understand the concept of fit and balance in women's wear.	PO7
CO4	They will learn how to manipulate basic patterns for creating new designs.	PO5
CO5	Students learn technical overview of fit related problems and find out there technical solution.	PO4

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD265 A	Pattern Making -II Lab		2	3	3	3		3	3	3	

1=weakly mapped,2= moderately mapped,3=strongly mapped



<b>UCDM301A</b>	Disaster Management	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding advance drafting of Women's wear</b>					
<b>Co-requisites</b>						

## Catalog Description

This course imparts the basic concepts of environment which enable them to solve basic problems related to their surroundings. This course helps them to get an idea adverse effect of industrialization, population and degradation of natural resources on the environment. The course introduces the concepts of renewable and non-renewable resources.

## Course Content

### UNIT I

**10 Lectures**

#### **Introduction to Disasters:**

Concept and definitions- Disaster, Hazard, vulnerability, resilience, risks.

Different Types of Disaster: Causes, effects and practical examples for all disasters. Natural Disaster: such as Flood, Cyclone, Earthquakes, Landslides etc. Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures (Building and Bridge), War & Terrorism etc.

### UNIT- II

**8 Lectures**

#### **Disaster Preparedness**

Concept and Nature, Disaster Preparedness Plan, Prediction, Early Warnings and Safety Measures of Disaster, Role of Information, Education, Communication, and Training, Role of Government, International and NGO Bodies, Role of IT in Disaster Preparedness, Role of Engineers on Disaster Management, Relief and Recovery, Medical Health Response to Different Disasters

### UNIT III

**10 Lectures**

#### **Rehabilitation, Reconstruction and Recovery**

Reconstruction and Rehabilitation as a Means of Development, Damage Assessment, Post Disaster effects and Remedial Measures, Creation of Long-term Job Opportunities and Livelihood Options, Disaster Resistant House Construction, Sanitation and Hygiene, Education and Awareness, Dealing with Victims' Psychology, Long-term Counter Disaster Planning, Role of Educational Institute.

## UNIT IV

8 Lectures

### Disaster Management in India

Disaster Management Act, 2005: Disaster management framework in India before and after Disaster Management Act, 2005, National Level Nodal Agencies, National Disaster Management Authority

Liability for Mass Disaster: Statutory liability, Contractual liability, Tortious liability, Criminal liability, Measure of damages

Epidemics Diseases Act, 1897: Main provisions, loopholes.

Applications of AI and ML in Disaster Management and risk predictions.

### Textbooks

1. Content building programme (CBP) book on Disaster Management, Forum AS.

### Reference Books/Materials

1. Government of India, Department of Environment, Management of Hazardous Substances Control
2. Act and Structure and Functions of Authority Created Thereunder.
3. Indian Chemical Manufacturers' Association & Loss Prevention Society of India, Proceedings of the National Seminar on Safety in Road Transportation of Hazardous Materials: (1986).
4. Author Title Publication Dr. Mrinalini Pandey Disaster Management Wiley India Pvt. Ltd.
5. Tushar Bhattacharya Disaster Science and Management McGraw Hill Education (India) Pvt. Ltd.
6. Jagbir Singh Disaster Management: Future Challenges and Opportunities K W Publishers Pvt. Ltd.
7. J. P. Singhal Disaster Management Laxmi Publications.
8. Shailesh Shukla, Shamna Hussain Biodiversity, Environment and Disaster Management Unique Publications
9. C. K. Rajan, Navale Pandharinath Earth and Atmospheric Disaster Management: Nature and Manmade B S Publication
10. Indian law Institute (Upendra Baxi and Thomas Paul (ed.), Mass Disasters and Multinational Liability: The Bhopal Case (1986)
11. Indian Law Institute, Upendra Baxi (ed.), Environment Protection Act: An Agenda for Implementation (1987)
12. Asian Regional Exchange for Prof. Baxi., Nothing to Lose But our Lives: Empowerment to Oppose
13. Industrial Hazards in a Transnational world (1989)
14. Gurudip Singh, Environmental Law: International and National Perspectives (1995), Lawman (India) Pvt. Ltd.
15. Leela Krishnan, P, The Environmental Law in India, Chapters VIII, IX and X (1999), Butterworths, New Delhi.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination**  
**Examination Scheme:**

<b>Components</b>	<b>Quiz I</b>	<b>Quiz II</b>	<b>Mid Term Exam</b>	<b>Presentation/ Assignment/ etc.</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	To enable the students to know the difference between natural and man-made disaster	<b>PO6</b>
<b>CO2</b>	Acquire the knowledge related to disaster preparedness	<b>PO10</b>
<b>CO3</b>	To aware the student about recovery after disaster	<b>PO8</b>
<b>CO4</b>	To know the structure and functioning of disaster management framework of our country	<b>PO9</b>
<b>CO5</b>	To provide the knowledge about disaster management act	<b>PO2</b>

		Enhancement in Advanced Scientific knowledge about chemistry	Development of critical, logical and innovative thinking	Demonstrate interdisciplinary approach	Learning of fundamental concepts and instrumentation techniques	Orientations towards research and development	Acquiring capability to work independently as well as a member of the diverse team	Understanding of impact of chemicals on the environment	Fostering communication skills	Ethical awareness and digital literacy	Capability to deal with professional responsibilities	Systematic and coherent understanding of theoretical and practical concepts	Appreciate the techniques for the qualitative and quantitative analysis	Learn problem solving approaches	Apply principles of chemistry to address societal problems
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
UCDM301A	Disaster Management		2				3		3	3	2			3	

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

### Discipline Specific Elective –I

SFFD269A	<b>INDIAN EMBROIDERIES &amp; TEXTILES CRAFT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Advance knowledge about Indian textile craft</b>					
<b>Co-requisites</b>						

#### Course Objectives:

1. The objective of the course to impart knowledge of Indian textiles and embroideries region wise and their importance. Student will apply appropriate research and use them to develop the garments and accessories for their collection.

#### Course Learning Outcome:

On completion of this course, the students will be able to

**CO1:** Through this course student will able to recognize different types of Indian embroideries and textiles contains different aspects of regional specialty.

**CO2:** Student will understand the history, importance of Indian designs and their revival in present days.

**CO3:** Student will acquire knowledge of Indian Embroideries and transform it according to their collection.

**CO4:** Through this course student will gain understanding of design detail, color detail.

**CO5:** In this course student will develop motifs, patterns for the craft and prepare khakha and develop the fabric for the garment of their collection.

#### Catalogue Description

In this students learn about the rich Indian textile craft like woven, dyed, printed and painted. embroidery is no exception. Embroidery is the Indian handicraft of decorating fabric or other materials with needle and thread or yarn. Dyeing and Printing Techniques Tie-dye, is a modern term, coined in the ancient, resist-dyeing techniques, and for the products of these processes. The process of tie-dye typically consists of, folding, twisting, pleating, followed by application of dye. Surface ornamentation adds immense beauty and enhances the look of a garment.

#### Course Content

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##### UNIT I

**8 lecture hours**

Introduction of Indian textiles Classification – Dyed, Resist Dyed, Printed And Embroidered, Overview, Sources of information, earliest findings with respect to different fibres and locations.

**UNIT II****12 lecture hours**

Woven textiles, Indian Textiles: Ikat (Odisha), Chanderi (Madhya Pradesh), Paithani Brocade (Maharashtra), Kota Doria (Rajasthan), Jamdani (Bengal), Tapestries, Carpets, Blankets and Rugs

**UNIT III****10 lecture hours**

Indian Embroideries: Phulkari (Punjab), Kashida (Kashmir), Kasuti (Karnataka), Chikankari (Uttar Pradesh), Kantha (W.Bengal), Chambarumal (Himachal Pradesh), Kutch embroidery (Gujrat).

**UNIT IV****30 lecture hours**

Printed textiles, Block Printing, Stencil Printing

**Project based on:** - One theme-based craft project, Theme selection- should be based on craft, develop mood board, material board, Motif development on the basis of selected theme & mood, prepare naksha or khakas based on selected motif design. Design one garment & one home décor product based on selected craft.

**Additional Resources:**

- <http://handicrafts.nic.in/>
- <http://texmin.nic.in/>
- [http://handlooms.nic.in/User\\_Panel/UserView.aspx?TypeID=1242](http://handlooms.nic.in/User_Panel/UserView.aspx?TypeID=1242)

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Through this course student will able to recognize different types of Indian embroideries and textiles contains different aspects of regional specialty.	<b>PO1</b>
<b>CO2</b>	Student will understand the history, importance of Indian designs and their revival in present days.	<b>PO1,PO3</b>
<b>CO3</b>	Student will acquire knowledge of Indian Embroideries and transform it according to their collection.	<b>PO2,PO4</b>
<b>CO4</b>	Through this course student will gain understanding of design detail, color detail.	<b>PO5,PO6</b>
<b>CO5</b>	In this course student will develop motifs, patterns for the craft and prepare khakha and develop the fabric for the garment of their collection.	<b>PO2, PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD269 A	Indian embroideries & textiles craft	3	3	3	3	3	3	3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD271A</b>	<b>WESTERN EMBROIDERIES &amp; TEXTILES CRAFT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Advance knowledge about western textile craft</b>					
<b>Co-requisites</b>						

**Course Objective:**

1. To acquire knowledge of various embroideries done at global level with the historical background & appreciation of textile masterpieces of the world, color and techniques. To assimilate and adapt this knowledge for creating design project.

**Course Learning Outcomes:**

On completion of this course, the students will be able to

**CO1:** Understand the development of textiles in the world ranging from the ancient to the contemporary

**CO2:** Be able to appreciate the evolution of masterpieces of world textiles

**CO3:** Be aware of the contemperry of textiles in different parts of the world

**CO4:** Be able to draw inspiration for developing designs.

**CO5:** To develop design project based on global textile & craft.

**Catalogue Description**

In this student learn about the western textile craft like woven, dyed, printed and painted. Embroidery in western culture done on the fabric or other materials with needle and thread or yarn. Weaving, knitting, Dyeing and Printing Techniques Tie-dye, resist-dyeing techniques, Surface ornamentation adds immense beauty and enhances the look of a garment.

**Course Content**

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**UNIT I**

**8 lecture hours**

Introduction, Overview, Sources of information, earliest findings with respect to different fibres and locations

**UNIT I**

**10 lecture hours**

Woven textiles, Tapestries (Coptic, Medieval Europe and China), Carpets (Turkey, Persia and Central Asia), Blankets and Rugs (Native American

**UNIT I**

**12 lecture hours**

Printed and woven textiles, Block Printing-Middle East, Stencil Printing- African, Japanese



**UNIT I V****30 lecture hours**

Resist dyed textiles, Ikats- (South East Asia, Central Asia and Africa, Japan and Indonesia), Tie and Dye (Shibori of Japan, Adire of Nigeria)

**UNIT-V**

Embroidered textiles, Different stitches and motifs (Europe, South America, china, Southeast Asia etc.), Folk Embroideries, Laces, Pillow lace, Reticelle

**Project based on:** - One theme based craft project, Theme selection- should be based on craft, Develop mood board, material board, Motif development on the basis of selected theme & mood, Prepare naksha or khakas based on selected motif design. Design one garment & one home décor product based on selected craft.

**Textbook:**

1. Everett C., Swanson K. (2016). Guide to Producing a Fashion Show (3rd Edition). New York: Bloomsbury Publications.
2. Silvers J. (2012). Professional Event Coordination (2nd Edition). New Jersey: Wiley.

**Reference Books:**

1. Berners P. (2017). The Practical Guide to Organizing Events. UK: Taylor & Francis
2. Publisher.
3. Robinson P., Dikson G., Wale D. (2010). Event Management: An Introduction. CABI
4. Publication.
5. Taylor P. (2012). How to Produce a Fashion Show from A to Z. New Jersey: Pearson
6. Prentice Hall.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Understand the development of textiles in the world ranging from the ancient to the contemporary	<b>PO1</b>
<b>CO2</b>	Be able to appreciate the evolution of masterpieces of world textiles	<b>PO1,PO7</b>
<b>CO3</b>	Be aware of the contemporary of textiles in different parts of the world	<b>PO3,PO6</b>
<b>CO4</b>	Be able to draw inspiration for developing designs.	<b>PO2</b>
<b>CO5</b>	To develop design project based on global textile & craft.	<b>PO5,PO4</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD271 A	Western embroideries & textiles craft	3	3	3	3	3	3	3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

## SEMESTER-IV

<b>SFFD202A</b>	<b>FASHION MARKETING &amp; E-TAILING</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of online &amp; offline fashion marketing</b>					
<b>Co-requisites</b>						

### Course Objectives:

1. To provide an overview of the evolution as well as the current structure and status of fashion marketing.
2. To develop understanding and appreciation of the principles of marketing, retail, to create an understanding of the broad categories of e-tailing business models.

### Course Outcomes:

On completion of this course, the students will be able to

CO1. State the importance of retailing in marketing.

CO2: List the important structural changes in the retailing sector. Describe the unique aspects of apparel retailing.

CO3: Classify the different types of retail outlets. Describe the role of 4 Ps in retail marketing.

CO4: Compare the roles and responsibilities of different retail jobs

CO5: To learn the e-tailing business model, traits of effective e-tailing sites and essential web content of e-tailing sites.

### Catalogue Description

This course will familiarize students with business management and e-commerce, e-tail, types of e-tail outlets, e-tail business model etc. Fashion Marketing focuses on an in-depth exploration of fashion marketing, fashion brand management, and business knowledge, strategic innovation and technology, product sourcing and supply chain management issues, Study of customer, communication and promotion, Study of project management, planning and innovating fashion strategy etc.

### Course Content

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#### UNIT I

**12 lecture hours**

**Understanding Marketing and Consumers:-** Definition, Importance, Scope, Various marketing concepts, Marketing mix, Market segmentation-Targeting- Positioning, Marketing vs. Selling, Responsibilities of a marketing manager, Concept and components of understanding Consumer Behaviour, Factors Influencing Consumer Buying Behaviour.

**UNIT II****8 lecture hours**

**Pricing & Sourcing Decisions:** - Objectives, Factors Affecting Pricing Decisions, Pricing Methods, Price Changes, Pricing Strategies, Mark-ups and markdowns, Sourcing- Types of sourcing- factors affecting sourcing decision.

**UNIT III****10 lecture hours**

**Branding & Promotion Decisions:** Promotion Mix, Fashion advertising, Sales Promotion, Public Relations, Direct Selling and Online Marketing Personal Selling Process, Managing the Sales Force, Evaluating Performance. Branding-Introduction, strategies, image building, brand expansion etc.

**UNIT IV****10 lecture hours**

**Overview of Indian e-tail scenario:** Uniqueness of apparel in e-tailing, Steps involved in e-tailing, Types of fashion e-tail outlets, Strengths & weaknesses of apparel retail & e-tail from vendor and consumer points of View. Basics of E-tail Business: Broad categories of e-business models: brokerage model, advertising model, intermediary model, merchant, manufacturer, affiliate, community, subscription model, Managing inventory, E-business customer service, Steps in setting up an online store, Marketing an e-business, Traits of effective e-tailing sites, Essential web content of e-tailing sites

**Textbook:**

1. Joseph P. T. (2015). E-Commerce: An Indian Perspective. New Delhi: PHI Learning
2. Whiteley D. (2017). E-Commerce: Strategy, Technologies and Applications. New York:McGraw Hill Education

**Reference Books:**

1. Chaffey D. (2013). E-Business and E-Commerce Management: Strategy, Implementation and Practice (5th edition). New Delhi: Pearson Education India
3. Laudon C., Traver C. (2018). E-Commerce 13th Edition. London: Pearson

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination**

**Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	State the importance of retailing in marketing.	<b>PO1</b>
<b>CO2</b>	List the important structural changes in the retailing sector. Describe the unique aspects of apparel retailing	<b>PO3</b>
<b>CO3</b>	Classify the different types of retail outlets. Describe the role of 4 Ps in retail marketing	<b>PO1</b>
<b>CO4</b>	Compare the roles and responsibilities of different retail jobs	<b>PO4</b>
<b>CO5</b>	To learn the e-tailing business model, traits of effective e-tailing sites and essential web content of e-tailing sites.	<b>PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 202A	Fashion marketing & e-tailing	3		2	3			3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD208A</b>	<b>Garment Manufacturing Technology</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic of garment construction techniques</b>					
<b>Co-requisites</b>						

### Course Objectives:

1. To prepares the students to acquire the knowledge and familiarize them with sewing machine & its part.
2. To develop an understanding about the selection of the right machinery for production of the garments.

### Course Outcomes:

On completion of this course, the students will be able to

**CO1:** To understand the work flow of garment production unit

**CO2:** To understand the different parts of the sewing machine and their functions.

**CO3:** Identify the causes of working defects of sewing machines and solution

**CO4:** Make different types of temporary, permanent and decorative stitches.

**CO5:** Prepare different types of seam.

### Catalogue Description

This course will give the learner to conceptualize the structure and end use of different types of sewing machines, sewing machines attachments, Classification of Finishing Equipment and their application their correlations with garment mass production. The course is an interesting mix of practical and theoretical projects that will encourage students to learn the concepts of technical design in an interactive way. Students will be given a sound understanding on various areas of garment manufacturing unit; they will know the method of Marker making, Spreading, Cutting, Ticketing, Bundling, Sewing, Finishing, and Quality Checking in industry etc.

### Course Content

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#### UNIT I

**7 lecture hours**

**Garment Industry,** Overview of the garment industry, Main sectors of the garment industry, Standards and specifications, Production capacity, Time and motion study- Introduction, effect of time and motion study on productivity in garment sector.

#### UNIT II

**9 lecture hours**

**Pre-Production Processes,** recording measurements, explain about Pattern making, Sampling, Fabric development and sourcing, Production planning & control, Preparation of specification sheet/Tech-pack.

### **UNIT III**

**8 lecture hours**

**In-Production processes, Machines, Equipment and Work-aids** , Marker-making-planning, production, efficiency, methods of making, Spreading of fabric- requirements, methods, nature of fabric packages, Cutting – objective, methods and tools, Preparation before cutting- fusing, ticketing and bundling- purposes and types Fusing- advantages, requirements, processes, equipment, methods and quality control, Stitch types-suitability and usage, Seam types-suitability and usage, Types of sewing machines- Basic lock stitch, chain stitch and over lock machines (Parts, function and sewing defects and Solution ) Special purpose machines- blind stitch, bar tack, button sewing and button holes, Types of sewing Needles, Types of sewing Threads, Feed system in sewing machines, Feed Dogs, Machine beds, Machine tables, Work chairs, Bundle clamps, Stackers, Various machine attachments, Handling various specialty fabrics.

### **UNIT IV**

**6 lecture hours**

**Overall production processes**, Garment finishing-Thread trimming, stain removal, cleaning, dry-cleaning, pressing, checking, folding and packing, shipment inspection, Warehousing- handling equipment, storage equipment, packaging equipment, transportation issues

#### **List of Experiments**

1. Decorative stitches – stem, chain, herringbone, running, lazy-daisy, satin, French knot. – 2 lecture hours
2. Temporary stitches - even, uneven, pin, machine and diagonal basting, thread mark. Bullion stitch, buttonhole. machine on paper and fabric on straight lines, curved lines and corners. overcast, over-locked, piped finish.– 2 lecture hours
3. Fasteners: button, buttonholes, press buttons, hook-n-eye.
4. Introduction to a sewing machine with a practice of learning the running of sewing. – 2 lecture hours
5. Necklines and their finishing: bias binding, bias facing, shaped facing with fusing. -- 3 lecture hours.
6. Permanent stitches - hemming, blind hemming, back stitch, fine stitch. - – 2 lecture hours.
7. Plain seam and seam finishes - Pinking, Turned and Stitched, Edge stitched, hand. – 2 lecture hours.
8. Seams - French seam, run-n-fell seam, lapped seam, top stitching, piped seam. - – 3 lecture hours.

#### **Textbook:**

1. Glock & Kunz, (July 8, 2004)"Apparel manufacturing", Pearson Prentice Hall.

#### **Reference Books:**

1. "Reader's Digest" Association (9 October 1978) Complete Guide to Sewing.
2. Alison Smith, 02 Feb 2009 “The Sewing Book”, Dorling Kindersley.
3. Harold Carr and Barbara Latham, (2008) “Technology of Clothing Manufacture”, Blackwell Publishing Asia Pty Ltd

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	To understand the work flow of garment production unit	PO1
CO2	To understand the different parts of the sewing machine and their functions.	PO3
CO3	Identify the causes of working defects of sewing machines and solution	PO7
CO4	Make different types of temporary, permanent and decorative stitches.	PO5
CO5	Prepare different types of seam.	PO4

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD2 08A	Garment Manufacturing Technology	3		3	3	3		3	3	2	3

1=weakly mapped,2= moderately mapped,3=strongly mapped



<b>SFFD206A</b>	<b>QUALITY CONTROL IN TEXTILE &amp; APPAREL</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of quality analysis and assurance of the garment label.</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. To impart knowledge about the assessment of the quality analysis and assurance and understanding of the garment labels as well as the rights and responsibilities of consumers.
2. To impart knowledge about the tests and standards set in the garment industry on which products are evaluated.

### **Course Outcomes:**

On completion of this course, the students will be able to

CO1. Evaluate the quality of garments based on various criteria.

CO2: Explain the quality control and assurance process in apparel industry.

CO3: Evaluate the quality standards as per the specification.

CO4: Interpret the labels attached to garments particularly the wash and care labels.

CO5: Evaluate the textile testing methods and processes.

### **Catalogue Description**

This course is to introduce the fundamental concepts and techniques of quality control, how to apply them in apparel industry and techniques of production management. How to apply them in the apparel industry. The main objectives of quality control are: to identify and mark fabric faults on the fabric, to decide to cut the fabric lot or not, to increase productivity of the cutting department. Quality first products require quality piece goods.

### **Course Content**

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#### **UNIT I**

**12 lecture hours**

Introduction –Definition of quality, Quality control and its necessity, inspection and its importance – functions of inspection, systems of inspection, types of inspection –hundred percent inspection, sampling inspection & AQL standards, Quality assurance, Difference between quality assurance and quality inspection.

#### **UNIT II**

**8 lecture hours**

Quality standards, statistical quality control– control charts, applications, sampling, importance, and use of sampling techniques. Total quality management, basic production systems – principles for choosing a production system, production control.

**UNIT III****10 lecture hours**

Apparel classification and categories. Understanding procedures in sampling and sample development, different stages of samples and their requirements from Proto to Shipment sample Proto, fit, size set, pre-production, TOP, sealer etc. Care labelling of apparel and textiles.

**UNIT IV****10 lecture hours**

Textile Testing & Product Evaluation, Quality control for fabrics – different types of defects in fabrics – major and minor faults, Precision & Accuracy of Test Methods- Atmospheric conditions for testing, Strength properties of apparel, Fabric stretch properties, Dimensional changes in apparel due to laundering, Bow and skew ness, Soil and stain release testing, Abrasion resistance, Colour fastness, Testing of fusible interlinings.

**Textbook:**

1. Sara J.Kadolph, 'Quality Assurance for textiles and apparel',1st edition, Fairchild Books,1998
2. Pradip V Mehta, SatishK.Bharadwaj, 'Managing quality in the apparel industry', New Age International, 01-Jan-1998

**Reference Books:**

1. Grover E G and Hamby D. S "Handbook of Textile Testing and Quality Control", Wiley Eastern Pvt. Ltd., New Delhi, 1969.
2. Kothari V. K. "Testing and Quality Management" Volume 1, IAFL Publications, New Delhi.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Evaluate the quality of garments based on various criteria.	<b>PO1</b>
<b>CO2</b>	Explain the quality control and assurance process in apparel industry.	<b>PO6</b>
<b>CO3</b>	Evaluate the quality standards as per the specification.	<b>PO4,PO3</b>
<b>CO4</b>	Interpret the labels attached to garments particularly the wash and care labels.	<b>PO4</b>
<b>CO5</b>	Evaluate the textile testing methods and processes.	<b>PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 206A	Quality control in textile & apparel	3		2	3		2	3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD250A</b>	<b>PATTERN GRADING LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding about apparel grading system</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. Pattern grading is necessary for a designer to make garments for a fashion line for different body types.
2. With grading, a student learns how to size up or size down for final pattern. Grading also helps in adapting the size of a pattern to a person's changing body size

### **Course Outcomes:**

On completion of this course, the students will be able to

CO1. Explain the methods of developing Grading patterns

CO2: To understand overview of pattern Grading method

CO3: Demonstrate advance proficiency in pattern development

CO4: Grade patterns for Creating new size pattern using basic bodice blocks like then convert it from size S to size XXL.

CO5: Develop Basic Trouser grading pattern from S size to XXL Size.

### **Catalogue Description**

The course focuses on the process and stages involved in pattern grading, a student learns how to size up or size down a good pattern. Grading also helps in adapting the size of a pattern to a person's changing body size. There are three basic methods of grading: cut and spread, pattern shifting, and computer grading. In the slash & spread method, the area of the pattern, which needs to be resized, is cut horizontally and vertically, spread out to the new garment size before redrawing the new pattern. This is known as grading up. While grading down, the cut-out pieces are overlapped, and not spread.

### **Course Content**

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#### **List of Experiments**

1. Introduction to grading: - grading concept and importance, grading terminology, sizes and measurement,
2. Methods of grading: - stack method, track method, types of grading- horizontal, vertical and diagonal
3. Grading of master grades: - basic bodice, front & back, basic sleeve, basic collar, torso
4. Grading of skirts and trousers: - straight skirt, front & back
5. Grading of skirts and trousers: - trousers, front & back

**Reference Books:**

1. Kathy K. Mullet(24 September 2015)Concept of Pattern Grading
2. Gerry Cooklin(10 November 2009)Pattern Grading for Men's Clothes
3. Gerry Cooklin(28 October 2009)Pattern Grading for Women's Clothes.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Explain the methods of developing Grading patterns	<b>PO1</b>
<b>CO2</b>	To understand overview of pattern Grading method	<b>PO1</b>
<b>CO3</b>	Demonstrate advance proficiency in pattern development	<b>PO4</b>
<b>CO4</b>	Grade patterns for Creating new size pattern using basic bodice blocks like then convert it from size S to size XXL.	<b>PO2</b>
<b>CO5</b>	Develop Basic Trouser grading pattern from S size to XXL Size.	<b>PO5</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 250A	Pattern grading Lab	3	3		3	3			3	3	

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD252A</b>	<b>ADVANCE GARMENT CONSTRUCTION LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.4</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding drafting and construction for Men's Wear</b>					
<b>Co-requisites</b>						

### **Course Objective:**

1. To develop understanding of Men's wear pattern making and construction in fashion industry.
2. To familiarize the students with the concept of Patterns variation for fashion Industry.

### **Course Outcomes:**

On completion of this course, the students will be able to

**CO1:** Define the basic pattern making terminologies & how to take body measurements correctly

**CO2:** To learn basic bodice block and adapt those blocks to various designs.

**CO3:** Analyse different body types and identify problem areas and rectify them.

**CO4:** Compare the different types of pattern layouts and construct them.

**CO5:** To develop the range of patterns for men's wear

### **Catalogue Description**

This course will give the learner to relate male body shapes to patterns and understand control points of control in each pattern to achieving desired fit. In this course the learner understands scientific way to manipulating patterns to achieve the desired style line of male outfits. Through such skill domain students will enable to generate well-fitting patterns of creative & innovative designs and manipulate them to achieve desired style line of any outfit.

### **Course Content**

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#### **List of Experiments**

1. Specification and terminology of young & adult men's Bodice Block size # 10.
2. **Basic Bodice block for MEN'S wear:** Basic Front & Back bodice, Basic sleeve
3. **Variations & manipulation:** Collar, Cuff and Pockets, Pants, shirt, Waist Coat with variations,
4. Casual And Formal Shirt with Cuff, collar, sleeves, pockets
5. Basic Trouser front & back
6. Indian Men's wear patterns: Basic kurta, Angrakha kurta, A-Line kurta.
7. Basic Pyjama, Two piece pyjama, Chudidar pyjama.
8. Coat-Single breasted, Double breasted coat -Demo

**Final Submissions:**

1. Construction of 1 male formal dress by using collar, pocket, placket, cuff, yoke
2. Construction of any 1 male coat

**Reference Books:**

1. Helen Joseph Armstrong, 2009“Patternmaking for Fashion Design”, Pearson, Fifth edition
2. [Gareth Kershaw](#) (7 Oct. 2013), “Pattern Cutting for Menswear”, first edition.
3. Metric pattern cutting for men’s wear, 3rd edition, Winifred Aldrich, Blackwell publishing.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Define the basic pattern making terminologies & how to take body measurements correctly	PO1
CO2	To learn basic bodice block and adapt those blocks to various designs.	PO7
CO3	Analyse different body types and identify problem areas	PO2
CO4	Compare the different types of pattern layouts	PO3
CO5	To develop the range of patterns for men’s wear	PO5

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SFFD 252A	ADVANCE GARMENT CONSTRUCTION LAB	3	3	3		3		3	3	2	

<b>SFFD254A</b>	<b>SKETCHING-II LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Advanced drawing based on concept</b>					
<b>Co-requisites</b>						

**Course Objectives:**

1. Student will gain the knowledge of drawing technicalities & details of various Fashion elements with the correct Terminologies.
2. Incorporating above elements on a Fashion figure with necessary details to come up with an appropriate Fashion Illustration.

**Course Outcomes:**

On completion of this course, the students will be able to

CO1. To be able to understand and convey the look of the garment and style features to the production team.

CO2: To be able to create the variations / options in overall design.



CO3: To be able to provide options in terms of colour combinations and colour ways.

CO4: To be able to render different fabric features like prints, woven textures and embellishments both 2D and 3D in the sketches.

CO5: To be able to highlight the garment details for effective use for product development.

### **Catalogue Description**

In this course the learner understands technical way of designing with design process through mood board, colour board, fabric board, range plan sketches and specification drawings for production and industry. Because through such skill domain student is enabled to understand the 2D and 3D rendering of embellishments like embroidery, beadwork, zardozi, princess line, dart, gathers, pleats etc. As well as to learn to read, interpret and prepare design sheets for manufacturing.

### **Course Content**

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#### **List of Experiments**

1. 2D & 3D rendering with various kind of colors, papers, foil, fabric etc.
2. Visual idea presentation with collage making.
3. Street wears (Women's & men's wear collection): Conceptualization, Design Development sheets.
4. Party wears (Women's & men's wear collection): Conceptualization, Design Development sheets.
5. Traditional Wear (Women's & men's wear collection): Conceptualization, Design Development sheets.
6. Office wears (Women's & men's wear collection): Conceptualization, Design Development sheets.
7. Kids Wear collection for infants, toddlers & teenagers: Conceptualization, Design Development sheets.

#### **Reference Books:**

1. Sketching and Drawing by VasudevKamath published by Jyotsna Prakashan Pune ,2nd Edition,2006
2. Figure study made easy by Aditya Chaari published by Grace Publication,
3. Draw and Paint by Pundalik Vaze published by Jyotsna Prakashan Pune ,1st Edition,2002
4. Carol A. Nunnally, The Encyclopedia of Fashion Illustration Techniques

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	To be able to understand and convey the look of the garment and style features to the production team	<b>PO1</b>
<b>CO2</b>	To be able to create the variations / options in overall design	<b>PO2</b>
<b>CO3</b>	To be able to provide options in terms of colour combinations and colour ways	<b>PO1</b>
<b>CO4</b>	To be able to render different fabric features like prints, woven textures and embellishments both 2D and 3D in the sketches	<b>PO5,PO4</b>
<b>CO5</b>	To be able to highlight the garment details for effective use for product development	<b>PO3</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 254A	Sketching-II Lab	3	3	3	3	3		3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD256A</b>	<b>SUSTAINABLE FASHION</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding the importance of recycling and upcycling.</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. To enable an understanding of the concept of sustainability and life cycle assessment and analysing various environmental indicators; such as: energy, carbon footprint and water footprint and to apply the concept of recycling and reusing material for textile/ apparel production.

### **Course Outcomes:**

On completion of this course, the students will be able to

- CO1. Ability to develop process flow charts and collect data
- CO2. Analyse energy, water and carbon footprint of a textile process.
- CO3. Learning of dye effluent removal and testing of biodegradability of fibers
- CO4. Understanding about stainable brands, sustainable textiles.
- CO5. Develop a product range based on sustainable.

### **Catalogue Description**

Through this course student will get understanding of sustainability in textile & fashion industry. In this students will explore new sustainable ways for creating luxury fashion products.

### **Course Content**

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#### **List of Experiments**

##### **Life Cycle Assessment**

Concept of “Cradle to Grave”, developing a process flow chart, data collection, Assessment of energy consumption of a textile product, Assessment of carbon footprint of a textile product, Assessment of water footprint of a textile product

##### **Understanding and Enhancing Textile Sustainability**

Removal of dye effluent using natural material, Extraction of fiber from agro waste residues  
Case studies of brands addressing sustainability in different ways

##### **Product Development from Sustainable Materials**

Product development using textile waste and thermoset resins  
Application of recycled/reused material in fashion

**Reference Books:**

1. Blackburn, R.S. (2009) Sustainable Textiles: Lifecycle and Environmental Impact: Woodhead Publishing Series in Textiles, ISBN: 9781845694
2. Gordon J. F. Hill C. (2014), Sustainable Fashion: Past, Present and Future, Bloomsberry Academic Publications, New York
3. Muthu S. (2017), Sustainable fibres and Textiles, ISBN: 9780081020418, Woodhead Publishing

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	Ability to develop process flow charts and collect data	<b>PO3,PO5</b>
<b>CO2</b>	Analyze energy, water, and carbon footprint of a textile process	<b>PO1</b>
<b>CO3</b>	Learning of dye effluent removal and testing of biodegradability of fibers	<b>PO7</b>
<b>CO4</b>	Understanding about stainable brands, sustainable textiles.	<b>PO1,</b>
<b>CO5</b>	Develop a product range based on sustainable.	<b>PO2,PO4</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 256A	Sustainable fashion	2	3	2	3	3			3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD262A</b>	<b>CRAFT DOCUMENTATION</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Basic Knowledge of Craft Documentation</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

To gain knowledge about the Indian Craft and Cluster Design Process & promote Indian artesian & Indian craft at global level.

### **Course Learning Outcome:**

On completion of this course, the students will be able to

**CO1:** Student will understand and appreciate traditional crafting techniques

**CO2:** To acquire knowledge of traditional Indian crafts with in depth focus on understanding of the craft

**CO3:** Student will gain knowledge of the crafts documentation process.

**CO4:** This course will give hands on experience of the craft clusters

**CO5:** The knowledge gathered from on field research and practical, will be channelized in creation of crafts documentation

## Catalogue Description

India has a rich heritage of traditional crafts. This course will give detailed overview to the learners about various traditional Indian crafts that are practiced across the country. This course focuses on field, hands on experience of the craft clusters from conception to creation of handmade products. They will be exposed to real life work place with master craftsman with an aim to learn the technicalities and design process of a selected craft. The knowledge gathered from on field research and practical, will be channelized in creation of a design collection using the learnt craft techniques.

## Course Content

### List of Experiments

1. Identification of Craft for Project research and documentation. To understand the importance and concept of Traditional Craft and how it binds our culture.
  2. Identification of research topics within the craft. Understanding the local craft from concept to creation.
  3. Research on favorable Crafts/ Cluster (locations wise where students can travel to learn the craft).
  4. Create database of local representatives for the craft with the persons photograph and contact details.
  5. Documentation of complete manufacturing processes and finishing and presentation.
- **Note: (15 Days) survey to any selected state cluster. Carry all important documentation equipment, like camera, notebooks, (optional –recording audio/video), local guide no, emergencies no etc.**

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.**

**Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Student will understand and appreciate traditional crafting techniques	<b>PO1</b>
<b>CO2</b>	To acquire knowledge of traditional Indian crafts with in depth focus on understanding of the craft	<b>PO1</b>
<b>CO3</b>	Student will gain knowledge of the crafts documentation process.	<b>PO3</b>
<b>CO4</b>	This course will give hands on experience of the craft clusters	<b>PO5</b>
<b>CO5</b>	The knowledge gathered from on field research and practical, will be channelized in creation of crafts documentation	<b>PO4,PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD26 2A	CRAFT DOCUM ENTATI ON	3		3	3	3		3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

## Discipline Specific Elective –II

<b>SFFD258A</b>	<b>TECHNICAL DESIGN BASED PROJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of design collection using technical designing</b>					
<b>Co-requisites</b>						

### Course Objectives:

1. Students understand the stepwise process to be followed while developing a design collection.
2. Student enables to get sensitized to the use of technical design to create designs at various levels of product development.

### Course Outcomes:

On completion of this course, the students will be able to

CO1. Become aware of and understand various techniques of fabric deconstruction and reconstruction for surface development.

CO2: Be able to develop skills to enhance the aesthetic value of any fabric through ornamentation.

CO3: Enhance the creative skills in developing new concepts through visualization and ideation to replicate an inspiration.

CO4: Understand the scope for design intervention and innovation in using these techniques for creative and contemporary product development.

CO5: Be able to demonstrate the ability to follow the design process to develop a design collection.

### Catalogue Description

This course will give detailed overview to the learner about the stepwise process to be followed while developing a design collection based on technical design. Fashion design student will learn about a complete design process, an important tool used for creating a design collection. As a future design professional, they will be exposed to various research methodologies for a theme-based design process. From working on an inspiration to conceptualization to ideation, all these tools will be clubbed together to create a complete fashion collection which will enhance their creativity in the form of theme boards, mood boards, fabric selections, surface techniques explorations, silhouettes designing etc.



## Course Content

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### List of Experiments

1. Research: Research for idea generation, study different types of fabric manipulation techniques.
2. Fashion forecasting/ Trend research: Design detail, color detail.
3. Inspiration Selection: Mood board, Theme board, Color board, Fabric board, Client board, Silhouette board.
4. Design: Design details, rough sketches, finalize.
5. Flat sketches of final silhouettes.
6. Understand the functional as well as design use of them.
7. Fabric texturing: puckering, pleating, stitching, couching, quilting, 3D textures Pin tucks, Ruchings, Gathers, Shirring, Color Blocking, Applique, Patchwork, Fraying, Fabric bows, Fabric flowers, Scalloped hems, Eyelet, Deconstruction, Layering, Smocking, Matting, Weaving, Quilting etc.
8. Fabric Trims: Piping, Fabric lace, RicRac, Pom Pom, Bias Trim, Pockets
9. Specification and Cost sheet.
10. Design Presentation: File, Photoshoot, PPT, Video

**NOTE: Develop a real time group based garment range design collection project**

### Reference Books:

1. Bonnie Lyn McCaffery 1999, Fantasy Fabrics, Martingale,
2. Gina M. Brown 2010, 1000 Artisan Textiles, Quarry Books,
3. Claire B. Shaeffer, 2007, Couture Sewing Techniques, The Tounton Press,
4. Ruth Rae, 1966, Layered, Tattered and Stitched: A Fabric Art Workshop, Library of Congress Cataloguing
5. Linda F. McGehee, 1998, Creating Texture With Textiles, Krause Publications

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Become aware of and understand various techniques of fabric deconstruction and reconstruction for surface development	<b>PO1</b>
<b>CO2</b>	Be able to develop skills to enhance the aesthetic value of any fabric through ornamentation	<b>PO3</b>
<b>CO3</b>	Enhance the creative skills in developing new concepts through visualization and ideation to replicate an inspiration	<b>PO2,PO3</b>
<b>CO4</b>	Understand the scope for design intervention and innovation in using these techniques for creative and contemporary product development.	<b>PO7</b>
<b>CO5</b>	Be able to demonstrate the ability to follow the design process to develop a design collection.	<b>PO4</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 258A	Technical Design Based Project	3	3	3	3			3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD260A</b>	<b>SURFACE ORNAMENTATION BASED PROJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of design collection using surface ornamentation techniques.</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. To assist students to visually represent their design abilities by means of a portfolio for professional purposes. To create a design project based on surface ornamentation techniques.
2. To create a professional fashion portfolio, using the skills acquired in past semesters, to showcase the signature style of the student and areas of interest towards the fashion industry.

### **Course Outcomes:**

On completion of this course, the students will be able to

- CO1. Become aware of and understand various techniques for surface development  
CO2: Be able to develop skills to enhance the aesthetic value of fabric through needle, dye & printing ornamentation.  
CO3: Enhance the creative skills in developing new concepts through visualization and ideation to replicate an inspiration.  
CO4: Understand the scope for design intervention and innovation by using traditional & as well as Morden techniques of surface ornamentation.  
CO5: Be able to demonstrate the ability to follow the design process to develop a design collection.

### **Catalogue Description**

This course will give detailed overview to the learner about the stepwise process to be followed while developing a design collection and make them sensitized to the use of various surface ornamentation design techniques to create designs at various levels of product development. Fashion design student will learn about a complete design process, an important tool used for creating a design collection. As a future design professional, they will be exposed to various research methodologies for a theme-based design process.

### **Course Content**

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#### **List of Experiments**

1. Design Philosophy – Concept Development:
2. Research for idea generation, study different types of surface ornamentation techniques.
3. Fashion forecasting / trend research: - Design Details, Color Schemes.

4. Inspiration selection - Theme Selection, Mood Board, Color Selection, Fabric Selection, Client Board, Silhouette Board.
5. Design: Design detail, new silhouettes design
6. Flat sketches of final silhouettes.
7. Surface techniques: embroidery- Thread Embroidery, Bead Embroidery, Pipes Embroidery, Zari And Zardosi Work With Gold, Silver and Copper Threads
8. Dyeing- Resist Dyeing- Bandhani, Shibori Etc.
9. Printing- Engraved Roller Printing, Screen Printing. Stencil Printing, Spray Printing.
10. Technical sheets: Specification Sheets and Cost Sheets.
11. Design Presentation: File, PPT, and Video. Photo-shoot & prepare a design catalogue.

**NOTE: Develop a real time group based garment range design collection project**

**Reference Books:**

1. Bonnie Lyn McCaffery 1999, Fantasy Fabrics, Martingale,
2. Gina M. Brown 2010, 1000 Artisan Textiles, Quarry Books,
3. Claire B. Shaeffer, 2007, Couture Sewing Techniques, The Tounton Press,
4. Ruth Rae, 1966, Layered, Tattered and Stitched: A Fabric Art Workshop, Library of Congress Cataloguing
5. Linda F. McGehee, 1998, Creating Texture With Textiles, Krause Publications

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Become aware of and understand various techniques for surface development.	<b>PO1</b>
<b>CO2</b>	Be able to develop skills to enhance the aesthetic value of fabric through needle, dye & printing ornamentation.	<b>PO3</b>
<b>CO3</b>	Enhance the creative skills in developing new concepts through visualization and ideation to replicate an inspiration	<b>PO2,PO3</b>
<b>CO4</b>	Understand the scope for design intervention and innovation by using traditional & as well as modern techniques of surface ornamentation.	<b>PO7</b>
<b>CO5</b>	Be able to demonstrate the ability to follow the design process to develop a design collection.	<b>PO4</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 260A	Surface Ornamentation based Project	3	3	3	3			3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

## SEMESTER-V

<b>SFFD301A</b>	<b>FASHION FORECASTING IN APPAREL DESIGN</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Advance knowledge of fashion research</b>					
<b>Co-requisites</b>						

### **Course Objective:**

To familiarize the students with fashion forecasting industry. Role of forecaster in apparel industry. To aware the students how to do research for fashion forecast or for preparing a collection or concept board as per future consumer demands.

### **Course Learning Outcomes:**

On completion of this course, the students will be able to

**CO1:** Define basic fashion forecasting terminologies.

**CO2:** Describe the importance of forecasting & types of fashion forecasting.

**CO3:** Identify the basic structure of fashion forecasting & understand the forecasting process.

**CO4:** Role of forecaster in fashion industry

**CO5:** Role of forecaster in apparel design & textile design.

### **Catalogue Description**

The course aims to introduce various tools and methodologies to predict and understand various fashion trends in advance to meet market demands. The course emphasizes the importance of researching analysing fashion trends accurately and efficiently. Fashion forecasting offers a holistic view of fashion Industry and offers wide area of learning within fashion domain. The importance of research in trends forecasting will be given prime importance with maximum exposure to research and publications by forecasting agencies, market surveys etc. will help them implement their learning in a more constructive way.

### **Course Content**

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#### **UNIT I**

**10 lecture hours**

Introduction to Fashion Forecasting, Meaning of Fashion, Forecasting, The role of a forecaster, the precision of the forecast, the fashion industry's components, the structure of the fashion industry, Information Network and the selling strategy.

**UNIT II****8 lecture hours**

Research Process in Forecasting - Fashion marketing research, Purpose of research, research design & data sources, Sampling methods, Data Collection, Forecasting Fashion, Forecasting services, Market Segmentation, Marketing mix.

**UNIT III****12 lecture hours**

Demand Forecasting-Types of Forecasting, Approach to Forecasting, Forecasting Demand for New Products, Criteria of a Good Forecasting Method, Presentation of Forecast to the Management, Control or Management of Demand.

**UNIT IV****10 lecture hours**

Fashion Products and its importance – Fashion Industry & new Product Development, Fashion Designers role in apparel market, Branded Products, personal labels, stores that seek the merchandise.

**Textbook:**

1. Fashion Forecasting ,Brannon Evelyn L. Fairchild Books, New York 3rd,2010

**Reference Books:**

1. Fashion Forecasting Perna Rita Fairchild Books, New York 1992
2. Fashion Forecasting Mc Kelvey Kathryn & Munslow Janine Wiley-Blackwell 2008
3. The Trend Forecaster's Handbook Raymond Martin Laurence King, U.K.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.**

**Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Define basic fashion forecasting terminologies.	PO1
CO2	Describe the importance of forecasting & types of fashion forecasting.	PO3
CO3	Identify the basic structure of fashion forecasting & understand the forecasting process.	PO1
CO4	Role of forecaster in fashion industry	PO4
CO5	Role of forecaster in apparel design & textile design.	PO7

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 301A	Fashion forecasting in apparel design	3		3	3			3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped



<b>SFFD303A</b>	<b>FASHION PROMOTION &amp; COMMUNICATION</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Basic Knowledge of fashion journalism</b>					
<b>Co-requisites</b>						

### **Course Objective:**

This course is designed for students to develop careers in the fashion industry as fashion journalists (in print, digital or television), fashion photographers. This course will give understanding about films, styling, PR and events that will be really helpful for students how to wants to work in fashion advertising- fashion media, film & television.

### **Course Learning Outcome:**

On completion of this course, the students will be able to

**CO1:** This course is designed to encompass knowledge of fashion communication through the methods of PR, Advertising, Fashion photography and Event management etc.

**CO2:** Students will learn different types of lighting such as one point, two point and three-point lighting in this course.

**CO3:** This course will learn how to maintain public relation, how to do brand positioning and brand building of the products and the company will be done.

**CO4:** Students will also learn to design exhibitions and events for the particular brand.

**CO5:** Students will acquire the knowledge of basics parts of a professional camera, rules of composition of frames in photography, camera shots and camera angles to represent their idea in an effective manner.

### **Catalogue Description**

The students after studying this course will be able to develop career in fashion industry as fashion journalist in print, digital or television media. This course is designed to encompass knowledge of fashion communication through the methods of PR, Advertising, Fashion photography and Event management etc. Photography is used in different beats of journalism to enhance the impact of the news and by the help of this course; students can use this tool to show their creativity.

### **Course Content**

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#### **UNIT I**

**8 lecture hours**

Introduction to Fashion communication: Fashion media, fashion writers, fashion critics, fashion reporter, fashion journalism for internet and broadcast media research, corporate journalism, events planning and Exhibit design.

**UNIT II****8 lecture hours**

Public relations, brand management (brand positioning, brand building and measuring) as applied to the fashion system, luxury fashion brands, strategies and public relations specific to luxury fashion, Event design tools and principles for fashion/luxury brands.

**UNIT III****10 lecture hours**

Introduction to camera: Basic parts of a professional camera and its function, Principles of composition, Basic principles of photography, types of lenses, Focal point and its uses, viewpoint & camera angle.

**UNIT IV****14 lecture hours**

Fashion styling, shooting with models and makeup artists, Lighting techniques – Indoor model photography, outdoor model photography, Photojournalism: Role and impact of a photograph in print media, Review and analysis of some outstanding photographs, Photo editing- selection of photograph, cropping, caption writing.

**Textbook:**

1. Jethwaney, Jaishri N. "Public Relations" (3<sup>rd</sup> Edition) ND: Sterling.

**Reference Books:**

1. Cutlip S. M. & A. H. "Effective Public Relations" Prentice Hall, New Delhi Center
2. Jackson, Pitman "Corporate Communication for Managers" Pitman Publishing.
3. Mehta D. S. "Handbook of Public Relations in India" Allied Publishers Pvt. Ltd. Mumbai.
4. Langford, Michael. (2000) "Basic Photography" (7<sup>th</sup> Edition) Focal Press, Private Limited.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.  
Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	This course is designed to encompass knowledge of fashion communication through the methods of PR, Advertising, Fashion photography and Event management etc.	PO1
CO2	Students will learn different types of lighting such as one point, two point and three-point lighting in this course.	PO2,PO3
CO3	This course will learn how to maintain public relation, how to do brand positioning and brand building of the products and the company will be done.	PO5
CO4	Students will also learn to design exhibitions and events for the particular brand.	PO5,PO4
CO5	Students will acquire the knowledge of basics parts of a professional camera, rules of composition of frames in photography, camera shots and camera angles to represent their idea in an effective manner.	PO7

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 303A	Fashion promotion & communication	3	3	3	3	3		3	3	2	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD305A</b>	<b>FASHION RETAIL &amp; VISUAL MERCHANDISING</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of fashion retail industry workflow</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

To provide an overview of the evolution as well as the current structure and status of the apparel retailing in India. To develop and understand and appreciation of the principles of marketing, retail operations and the basic principles of visual merchandising and effective customer handling practices.

### **Course Learning Outcomes:**

On completion of this course, the students will be able to

**CO1:** State the importance of retailing in marketing & structural changes in the retailing sector.

**CO2:** Describe the unique aspects of apparel retailing & Classify the different types of retail outlets.

**CO3:** Explain the main operational processes of retail stores

**CO4:** Give understanding about elements of visual merchandising, compare the roles and responsibilities of different visual merchandiser.

**CO5:** Explain the use of various visual merchandising practices

### **Catalogue Description**

Through this course student will learn about the Fashion retail industry, importance of merchandising & Visual Merchandising in Fashion Retail. The course aims to impart cutting-edge knowledge about the fast growing field of Visual Merchandising. The course is an interesting mix of practical and theoretical projects that will encourage students to learn the concepts of Retail industry like visual merchandising in an interactive way.

### **Course Content**

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#### **UNIT I**

**8 lecture hours**

**Overview of Retailing:** Role of retail in marketing system, Overview of Indian retail sector, Retail evolution in India: structural changes and emerging trends, Classification of Retailing Channels (online, offline, multichannel, cross-channel), Formats (in-store and non-store), and Types of Outlets (ownership and merchandise based)

## UNIT II

10 lecture hours

**Retail Marketing & Operations:** Product – merchandise assortment and inventory management. Place – Store Management, store location, Floor layout. Promotion – in-store and off-store promotion and advertising. Roles and responsibilities of retail store manager, employee management

## UNIT III

8 lecture hours

**Introduction to Visual Merchandising:** Introduction **Visual Merchandising** and Importance. Schedules- Seasons, Promotions, Special sales, Themes. Types of Display- Window display, Interior display, Various Types of Store Layouts, Grid layout, Loop-path layout, Free-form layout, Spine layout. Merchandise Presentation Techniques- Idea-Oriented Presentation, Style/Item Presentation, Price Lining

## UNIT IV

10 lecture hours

**Store Image:** Introduction, Objectives, Concept of Image Mix, Elements of Display-Merchandise, forms, props, signage, lighting, Merchandise, Fixtures, Visuals, Sound/Music, Odor, Common problems in display, Visual Merchandising at Different Stores, Apparel store, Furniture store, Future Prospects of Visual Merchandising.

### Textbook:

1. Mr Raj Kumar Mascree, “Visual and Fashion Merchandising”, Sikkim Manipal University, Gangtok.
2. Balley Sarah, Baker Jonathan (2014). Visual Merchandising in Fashion. London:
3. Bloomsbury Publishing
4. Dunn Patrick, Lusch Robert, Griffith David A., (2002). Retailing. USA: Harcourt College Publishers
5. Levy Michael, Weitz Barton A., (1995). Retailing Management. US: Irwin Publishers

### Reference Books:

1. Martin M. Pegler, “Visual Merchandising and Display”, 6th Edition.
2. Tony Morgan, “Visual Merchandising Window and In-store Displays for Retail”, Second Edition
3. Ellen Diamond “fashion retailing” 2<sup>nd</sup> edition.
4. Frances D., Spooone H, Greenwald H. (1992). Retail Fashion Promotion and Advertising. USA: Macmillan.
5. Stone E. (1987). Fashion Buying. New York: McGraw- Hill.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.  
Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	State the importance of retailing in marketing & structural changes in the retailing sector.	<b>PO1</b>
<b>CO2</b>	Describe the unique aspects of apparel retailing & Classify the different types of retail outlets.	<b>PO2</b>
<b>CO3</b>	Explain the main operational processes of retail stores	<b>PO4</b>
<b>CO4</b>	Give understanding about elements of visual merchandising, compare the roles and responsibilities of different visual merchandiser.	<b>PO3</b>
<b>CO5</b>	Explain the use of various visual merchandising practices	<b>PO5.PO7</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 305A	Fashion retail & visual merchandising	2	2	3	3	3		3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD369A</b>	<b>PATTERN MAKING -III LAB</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Basic pattern techniques And Construction for Kids wear</b>					
<b>Co-requisites</b>						

### Course Objective:

1. To develop understanding of pattern making and construction of kid's wear in fashion industry.
2. To acquaint the students with the importance of taking correct body measurements and size charts and to introduce the concept of drafting and paper patterns for kid's wear. So that they are capable to develop Industrial Paper Pattern like professionals.

### Course Outcomes:

On completion of this course, the students will be able to

**CO1:** Explain the methods of developing paper patterns; develop a basic bodice block of kids.

**CO2:** Define the basic pattern making terminologies & how to take body measurements correctly

**CO3:** Describe the tools used for, drafting, Pattern Making and construction.

**CO4:** Analyze different body types and identify problem areas.

**CO5:** Compare the different types of pattern layouts, importance of ease and darts in pattern

## Catalogue Description

This course will impart an understanding to the learner to relate different body shapes to different patterns and understand points of control in each pattern to achieve desired fit. Pattern making is a bridge function between design and production. A sketch can be turned into a garment via a pattern which interprets the design in the form of the garment components. A patternmaker typically makes a pattern from a flat sketch with measurements or a two dimensional fashion illustration. The basic pattern is the starting point for flat pattern designing. It is a simple pattern that fits the body with just enough ease for movement and comfort. Basic patterns usually consisting of the front and back bodice, front and back skirt, sleeve, and pant.

1. Kids wear measurement method, standard body measurement Basic blocks for kids – Infants (0-2 years age) – Toddlers (2-6 years age) – Preteens (6-12 years age) - boys and girls both -10 lecture hours
2. Kids wear – Infants (0-2-year age)- Pattern development – Snow suit with hood – Romper, Construction of any one infants’ garment – 8 lecture hours
3. Kids wear- Toddlers (2-6-year age) Pattern development for boys’ garments - T-shirt with raglan sleeve – shorts/ trouser. - 6 lecture hours
4. Pattern development for girls’ garments - Frocks- frock with gather yoke and petals sleeve/bell sleeve, cap sleeve, frock with shoulder string, sleeveless dress with shoulder knot, etc. (anyone) - Skirts- tiered, divided skirt, cascade, etc. Construction of any one garment either for boys or girls -10 lecture hours
5. Kids wear- Preteens (6-12 year age), Pattern development for boys garments - Knee length pants – T-shirt, Pattern development for girls garments - Empire line dress with flare
6. Construction of any one garment either for boy or girl - 6 lecture hours

### Reference Books:

1. H.J. Armstrong, 2009, Pattern Making for Fashion Design, Harper Collins Publishers Inc. New York.
2. LoriA. Knowles,( 09-07-2005 )“Pattern Making for Fashion Designers”, Fairchild Publishers.
3. Pamela C Stringer, (1992)“Pattern Drafting for Dressmaking”, Batsford Ltd
4. Aldrich, W. 2007 Metric Pattern Cutting for Children’s Wear and Babywear, Third edition, Blackwell Publishing, Om Books International, Delhi.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination**

**Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50



### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Explain the methods of developing paper patterns, develop a basic bodice block and adapt that block to various designs.	<b>PO1</b>
<b>CO2</b>	Define the basic pattern making terminologies & how to take body measurements correctly	<b>PO7</b>
<b>CO3</b>	Describe the tools used for, drafting, Pattern Making	<b>PO2</b>
<b>CO4</b>	Analyse different body types and identify problem areas.	<b>PO3</b>
<b>CO5</b>	Compare the different types of pattern layouts, importance of ease and darts in pattern .	<b>PO5</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PS O1	PS O2	PSO3
<b>SFFD3 69A</b>	<b>Pattern Making - III Lab</b>	3	3	3		3		3	3	2	

1=weakly mapped, 2= moderately mapped,3=strongly mapped

<b>SFFD353A</b>	<b>CRAFT DESIGN &amp; RESEARCH PROJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge of craft &amp; cluster design</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

To gain knowledge about the Indian Craft and Cluster Design Process & promote Indian artesian & Indian craft at global level.

### **Course Learning Outcome:**

On completion of this course, the students will be able to

**CO1:** Student will understand and appreciate traditional crafting techniques

**CO2:** This course will give detailed overview to the learners about various traditional Indian crafts with in depth focus on understanding of the craft, the crafts community.

**CO3:** Student will gain knowledge of the crafts design process, raw materials and supply chain.

**CO4:** This course focuses on field, hands on experience of the craft clusters from concept to development of product.

**CO5:** The knowledge gathered from on field research and practical, will be channelized in creation of a design collection using the learnt craft techniques.

### **Catalogue Description**

India has a rich heritage of traditional crafts. This course will give detailed overview to the learners about various traditional Indian crafts that are practiced across the country. This course focuses on field, hands on experience of the craft clusters from conception to creation of handmade products. They will be exposed to real life work place with master craftsman with an aim to learn the technicalities and design process of a selected craft. The knowledge gathered from on field research and practical, will be channelized in creation of a design collection using the learnt craft techniques.

### **Course Content**

#### **List of Experiments**

1. Identification of Craft for Project research and documentation. To understand the importance and concept of Traditional Craft and how it binds our culture.
2. Identification of research topics within the craft.
3. Research on favorable Crafts/ Cluster (locations wise where students can travel to learn the craft). Create database of local representatives for the craft with the persons photograph and contact details.
4. Understanding the local craft from concept to creation.

5. Documentation of complete manufacturing processes, finishing and presentation.
  6. Development of design conceptualization boards based on selected cluster.
  7. Flat sketch, Fashion illustration with draping of garment. Final sketches, Fabric swatches, Trims, Ornamentation.
  8. Making of toils (muslin pattern) for the selected collection.
  9. Presentation & Feedbacks of theme & Survey.
  10. Co-ordinate accessories of selected theme.
  11. Final collection of selected theme ('4' Garment).
  12. Photo-shoot and Look Book preparation.
  13. Client Presentation CAD (Clo 3D).
- **Note:** (15 Days) survey to any selected state cluster. Carry all important documentation equipment, like camera, notebooks, (optional –recording audio/video), local guide no, emergencies no etc. Each student must work on craft based Design Project and develop a women's wear / Men's wear based on his or her design philosophy, for a well-defined customer profile.

**Additional Resources:**

- [www.style.com](http://www.style.com)
- [www.wgsn.com](http://www.wgsn.com)

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.  
Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Student will understand and appreciate traditional crafting techniques	<b>PO1</b>
<b>CO2</b>	This course will give detailed overview to the learners about various traditional Indian crafts with in depth focus on understanding of the craft, the crafts community.	<b>PO1</b>
<b>CO3</b>	Student will gain knowledge of the crafts design process, raw materials and supply chain.	<b>PO3</b>
<b>CO4</b>	This course focuses on field, hands on experience of the craft clusters from concept to development of product.	<b>PO5</b>
<b>CO5</b>	The knowledge gathered from on field research and practical, will be channelized in creation of a design collection using the learnt craft techniques.	<b>PO4,PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 353A	Craft design & research project	3		3	3	3		3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD355A</b>	<b>SUMMER TRAINING -II</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Pre-requisites/Exposure</b>	<b>Advance fashion design industry exposure</b>					
<b>Co-requisites</b>						

**Course Objective:**

To gain practical knowledge of various departments workflow in apparel and textile I industry & to gain hands on experience of working in a professional manner.

**Course Learning Outcome:**

On completion of this course, the students will be able to

**CO1:** To involve students with fashion industry professional.

**CO2:** To enhance their practical knowledge.

**CO3:** Students will participate in the ongoing activities of the organization as advised by the industry mentor.

**CO4:** Collect the required information and prepare a written report to be presented in the department.

**CO5:** To prepare a project based on his/her industry learning.

**Catalogue Description**

This course is design for giving fashion industry exposure as per student's interest areas like designing, merchandising, styling, visual merchandiser, social media marketing, graphic designing etc. student can choose any on Field for 60 day's internship programme.

**Course Content**

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Note- 45 day's internship programme. Document/ internship report & product design submission after internship.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.**

**Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	To involve students with fashion industry professional.	<b>PO4</b>
<b>CO2</b>	To enhance their practical knowledge.	<b>PO3</b>
<b>CO3</b>	Students will participate in the ongoing activities of the organization as advised by the industry mentor.	<b>PO5</b>
<b>CO4</b>	Collect the required information and prepare a written report to be presented in the department.	<b>PO4,PO6</b>
<b>CO5</b>	To prepare a project based on his/her industry learning	<b>PO2.PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 355A	Summer training -II		3	3	3	3	3	3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

**DISCIPLINE SPECIFIC ELECTIVE-III  
SEMESTER-V**

SFFD361A	Activewear Design	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Advanced Knowledge of Active wear Patterns and its construction.</b>					
<b>Co-requisites</b>						

**Course Objectives:**

1. To teach the students basic and advance fundamentals of active wear patterns.
2. To enable students to do the proper layout of paper drafts on the fabric and to make maximum usage of fabric with minimum wastage. The students are required to make 2 garments based on active wear.

**Course Outcomes:**

On completion of this course, the students will be able to

- CO1. Understanding about the methods of developing Active wear patterns  
 CO2: Develop patterns for popular cut-and-sew stretch knit fabrics using basic blocks.  
 CO3: Create pattern of active wear tops and its variation.  
 CO4: Develop a pattern of active wear bottoms.  
 CO5: Students learn about the technical overview of fit related problems, fabric use, seams and special techniques.

**Catalogue Description**

This course will give the learner to understand active wear patterns and understand the use of knit fabric with lycra according to the style. In this course the learner understands techniques to manipulating patterns to achieve the desired style line of the outfits. Because through such skill domain students will enable to generate well-fitting patterns of creative & innovative designs and manipulate them to achieve desired style line of any outfit.

**Course Content**

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**List of Experiments**

1. Draft basic top & bottom block foundations.
2. Create pattern of vest and crop top.
3. Develop pattern of hoodie and active wear jacket.
4. Create pattern of vest and crop top.
5. Create pattern of active wear leggings, yoga bottom.
6. Develop pattern of split shorts.

7. Create pattern of cycling top and raglan tee.
8. Use of fabric types, stretch, weight and compression, thread, elastic, needles. Seams – flatlock, mock flatlock, flatlock hems. Use of special techniques such as finishing details, embellishments, felting, and fabric manipulation. Develop a range of popular cut-and-sew stretch knit fabrics such as jersey and knits with spandex.

**Reference Books:**

1. Cole, Julie 2016“Patternmaking with stretch knit fabrics”, Bloomsbury Academic.
2. Lundström, Johanna 2019 “Sewing Activewear- how to make your own professional looking athletic wear”.
3. Fehr, Melissa “Sew your own activewear” Sewandso.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Understanding about the methods of developing Active wear patterns.	PO2
CO2	Develop patterns for popular cut-and-sew stretch knit fabrics using basic blocks.	PO5
CO3	Create pattern of activewear tops and its variation.	PO3
CO4	Develop a pattern of activewear bottoms.	PO4
CO5	Students learn about the technical overview of fit related problems, fabric use, seams and special techniques.	PO7



		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
<b>Course Code</b>	<b>Course Title</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>SFFD361A</b>	<b>Active wear Design</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>		<b>3</b>	<b>3</b>		<b>2</b>

1=weakly mapped, 2= moderately mapped, 3=strongly mapped

SFFD363A	Lingerie Design	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.2</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Advanced Knowledge of Lingerie Design</b>					
<b>Co-requisites</b>						

### Course Objectives:

1. To teach the students basic and advance fundamentals of swim and beach wear patterns.
2. To enable students to do the proper layout of paper drafts on the fabric and to make maximum usage of fabric with minimum wastage. The students are required to make 2 garments based on swim wear and beach wear.

### Course Outcomes:

On completion of this course, the students will be able to

- CO1. Understanding about the methods of developing Swim wear and Beach wear patterns  
CO2: Develop patterns for Create new Designs using basic blocks, Develop of Maillot / tank suit variations.  
CO3: Create pattern of Basic Bikini foundation and variation and full-Figure Swim Foundation and variation and create pattern of Bottom Variation.  
CO4: Develop a pattern of Beachwear attires.  
CO5: Students learn about the technical overview of fit related problems and find out their technical solution to convert the 2D material process to a 3D body of males and female.

## Catalogue Description

This course will give the learner to understand Lingerie Design to develop patterns and understand control points of control in each pattern to achieving desired fit. In this course the learner understands scientific way to manipulating patterns to achieve the desired style line of the outfits. Because through such skill domain students will enable to generate well-fitting patterns of creative & innovative designs and manipulate them to achieve desired style line of any outfit.

## Course Content

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### List of Experiments

1. Bikini Halter Bra, Plunge Bra, Multi Way Bra, T-Shirt Bra
2. Bottom Variation, Bikini Without Center Seams, All in One Bikini, High Cut Leg Bikini,
3. Little-Boy Leg Line Variation, Slit Leg Line
4. Bikini Foundation, Bikini based on Maillot foundation
5. Develop a range of swim wear and beach wear
6. Maillot / tank suit Foundation and variation like Basic Tank Top Maillot, Tank Suit with Bra Lining, Princess Maillot, Asymmetric Maillot
7. Tankini, Teddy, Two Piece, Body Suit
8. Full-Figure Swim Foundation, Swimsuit with Skirt Front
9. Beach Attires, Kaftan, Short Bloomers

### Reference Books:

1. Helen Joseph Armstrong, 2009“Patternmaking for Fashion Design”, Pearson, Fifth edition.
2. Joy McKenzie (5 march 1998)Best In Swimwear Design (The best in design)

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

## Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Understanding about the methods of developing Swim wear and Beach wear patterns	<b>PO2</b>
<b>CO2</b>	Develop patterns for Create new Designs using basic blocks, Develop of Maillot / tank suit variations.	<b>PO5</b>
<b>CO3</b>	Create pattern of Basic Bikini foundation and variation and full-Figure Swim Foundation and variation and create pattern of Bottom Variation.	<b>PO3</b>
<b>CO4</b>	Develop a pattern of Beachwear attires	<b>PO4</b>
<b>CO5</b>	Students learn about the technical overview of fit related problems and find out their technical solution to covert the 2D material process to a 3D body of males and female.	<b>PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD3 63A	Lingerie Design		3	3	3	3		3	3	3	3

1=weakly mapped,2= moderately mapped,3=strongly mapped

**VALUE ADDED COURSE  
SEMESTER-V**

<b>VAC111</b>	<b>FASHION EVENT MANAGEMENT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Pre-requisites/Exposure</b>	<b>Knowledge about fashion event planning &amp; management</b>					
<b>Co-requisites</b>						

**Course Objectives:**

1. To create an understanding of the different types of fashion events and the planning. Required for their successful organization. To familiarize the students with the various practical steps involved in the organization of Fashion events and their proper coordination.
2. To develop practical knowledge of the administrative, designing, planning, marketing, Operational and risk management aspects of fashion events through project work.

**Course Learning Outcome:**

On completion of this course, the students will be able to

**CO1:** Through this course student will learn, types, category, Principles of Event Management

**CO2:** Able to make an event plan covering theme, target audience and budget.

**CO3:** Role of an event coordinator - Administration, Design, Marketing, Operations

**CO4:** Describe the steps required for successfully staging the fashion event & Prepare templates for fashion show budgets and duty charts

**CO5:** Explain the process of marketing the event and mobilizing sponsor ships.

**Catalogue Description**

This course is designed for creating the professional event managers. Who can plan & execute fashion event: fashion show, fashion exhibitions, event planner etc. By using creativity, commercial and marketing strategies along with all aspects concerning style and image, the event manager plans, coordinates and creates events.

**Course Content**

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**UNIT I**

**5 lecture hours**

**Understanding Fashion Events & their Planning and Management Needs;** Introduction to event management – Types, category, Principles of Event Management, Key roles, types and purposes of fashion events – fashion show, fairs & trade show, Product launch.

Role of an event coordinator, initial Planning Requirements: Creating themes, targeting the audience /vendors, Timing. Event, Finding a venue, Guest lists and Invitations, Organizing the required, Production team and preparing duty charts, Budget estimation, seeking sponsorships- Writing sponsorship letters.

## **UNIT II**

**5 lecture hours**

**Designing & Executing Fashion Show** Venue requirements: Stage/ booth design, Seating patterns and plan, Lighting and allied, Audio-visual effects, Preparation of Programme Booklet, catering arrangements, Progress, Monitoring through checklists.

Catwalk Presentation Requirements: Merchandise selection, Models selection, Music and Choreography, Final show sequence and rehearsals, Fitting sessions, Dressing area Arrangements, Commentary requirements, Closing and striking the show.

## **UNIT III**

**10 lecture hours**

**Marketing & Managing Fashion events** Creating a pre and post-event promotion plan, Building media relations, preparing press release and media kit, Post Show Evaluation, Ensuring Legal Compliance, Safety & Security: Licenses and permissions to be obtained, Risk Management for prevention of hazards, Security for people and merchandise.

**Project work:** Presentation of a Mock Fashion Show Project: The project should include the following: Description of the theme, the fashion statement of your line, choice of the location and target audience. Budget plans, Duty chart, checklists, Sponsorship letter, Media Publicity kit, Designing an invitation card, stage and venue design, Models and music selection, Script for emcee Catering and menu selection, Security arrangements.

### **Text Book:-**

1. Everett C., Swanson K. (2016). Guide to Producing a Fashion Show (3rd Edition). New York: Bloomsbury Publications.
2. Silvers J. (2012). Professional Event Coordination (2nd Edition). New Jersey: Wiley.

### **Reference Books:**

1. Berners P. (2017). The Practical Guide to Organizing Events. UK: Taylor & Francis Publisher.
2. Robinson P., Dikson G., Wale D. (2010). Event Management: An Introduction. CABI Publication.
3. Taylor P. (2012). How to Produce a Fashion Show from A to Z. New Jersey: Pearson Prentice Hall

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between Cos and Pos</b>		
	<b>Course Outcomes (Cos)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	Through this course student will learn, types, category, Principles of Event Management	<b>PO1</b>
<b>CO2</b>	Able to make an event plan covering theme, target audience and budget.	<b>PO7</b>
<b>CO3</b>	Role of an event coordinator – Administration, Design, Marketing, Operations	<b>PO3,PO6</b>
<b>CO4</b>	Describe the steps required for successfully staging the fashion event & Prepare templates for fashion show budgets and duty charts	<b>PO2,PO6</b>
<b>CO5</b>	Explain the process of marketing the event and mobilizing sponsor ships.	<b>PO5,PO4</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
VAC 111	Fashion event management	3	3	3	3	3	3	3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

### SEMESTER-VI

<b>SFFD302A</b>	<b>Fashion Entrepreneurship Skills</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.3</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	<b>Understanding about start-up business</b>					
<b>Co-requisites</b>						

#### Course Objective:

1. Basic objective of the course is to develop entrepreneurship skills among the students.
2. To familiarize the students with the process and procedure of setting up new enterprises

#### Course Outcomes:

On completion of this course, the students will be able to

- CO1.This course develops an entrepreneurial mind-set to evaluate opportunities for new business in the fashion industry.
- CO2.Student will develop research and creatively solve problems, demonstrating expert judgment.
- CO3.Student will understand the ethical responsibility relating to your professional practice in fashion entrepreneurship.

CO4. Student will analyze, synthesize and reflect on complex theories and recent developments.

CO5. Student will get acquire professionally communicate propositions, processes and outcomes.

### **Catalogue Description**

This course helps develop an entrepreneurial mind-set to evaluate opportunities for new business in the fashion industry. You will explore ways to investigate the viability of these opportunities by undertaking an industry analysis, understanding key competitive factors that drive the creation of new fashion ventures, while taking into consideration new business models and customer value. You will also network with entrepreneurs across a range of different industries to develop your potential capacity as a fashion entrepreneur.

### **Course Content**

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#### **UNIT I**

**12 lecture hours**

Introduction to Entrepreneurship, Entrepreneur – Enterprise, development of entrepreneurship, role of entrepreneur's in development of apparel and fashion industry, Qualities of good Entrepreneur, Characteristics of the Entrepreneur.

#### **UNIT II**

**8 lecture hours**

Entrepreneurial support by state, central financial institutions, organizations, Government policies with reference to textile and apparel industry, Self-employment and the labour market, Financial Analysis & Means of Financing.

#### **UNIT III**

**12 lecture hours**

6 M's of an Entrepreneurship- Management, Money, Manpower, Materials, Machines, & marketing, Factors influencing entrepreneurial development – Environment, Psychological, Socioeconomically, Legal, Business planning - Starting a new venture related to apparel industry, essentials of a successful centre, Formalities of opening a firm, the status of firm, individual proprietor/partnership/ Pvt. limited company & public Ltd Company.

#### **UNIT IV**

**8 lecture hours**

Location & plant layout- factors influencing plant location, building, structure, lighting, ventilation, material handling, availability of labour, material management and transportation, Plant layout, ergonomics safety & security to be considered while planning the layout, Cash flow statement.

#### **Textbook: -**

1. Panda, "ShibaCharan, Entrepreneurship Development", Anmol Publications.



**Reference Books:**

1. Mohanti, Sangram Keshari. (2009) “Fundamentals & Entrepreneurship” PHI learning.
2. Terry & Franklin, (2002)“Principles of Management”, AITBS.
3. Desai, Vasanth.(2009) “The dynamics of entrepreneurial development & Management” (6<sup>th</sup> edition) Himalaya publish house.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.  
Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	This course develops an entrepreneurial mind-set to evaluate opportunities for new business in the fashion industry.	PO1
CO2	Student will develop research and creatively solve problems, demonstrating expert judgment.	PO5
CO3	Student will understand the ethical responsibility relating to your professional practice in fashion entrepreneurship.	PO3,PO7
CO4	Student will analyze, synthesize and reflect on complex theories and recent developments.	PO5
CO5	Student will get acquire professionally communicate propositions, processes and outcomes.	PO6,PO4

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 302A	Fashion Entrepreneurship Skills	3		2	3	3	3	3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD304A</b>	<b>Design Collection</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.4</b>		<b>0</b>	<b>0</b>	<b>10</b>	<b>5</b>	<b>10</b>
<b>Pre-requisites/Exposure</b>	<b>theme based design collection</b>					
<b>Co-requisites</b>						

### **Course Objectives:**

1. To impart knowledge concentrates on developing a collection.
2. To teach students about the conceptualization of design and to construct a collection.

### **Course Outcomes:**

On completion of this course, the students will be able to

CO1: To gain research, analyse, appraise and synthesize appropriate contextual information related to one's design collection.

CO2: Be able to identify and communicate clear aims and objectives related to the client and user requirements.

CO3: Be able to demonstrate the ability to follow the design process to develop a design collection.

CO4: To impart practical skills for presentations of Design Collection.

CO5.To gain emphasizes an original yet commercial realistic approach towards the collection, plan for fashion show.

## Catalogue Description

This course will give the learner an opportunity to creative presentation of the students design capabilities coupled with technical skills. It is an opportunity to realize design potential within the parameter of a time-frame by dedicated research, development and execution of a small, commercial or conceptual collection. Design collection is the final result of combination of all the inputs received during the preceding semesters.

## Course Content

### List of Experiments

1. Research on the topic selected/ Selection of Themes of Collection.
2. Fashion Forecasting and color Forecasting, Use of online service for forecasting.
3. Selection of Mood board, story board, fabric development, design development & range development.
4. Making of toils (Muslin patterns) and the final product in the form of a design collection
5. Development of Different Surface Ornamentation (Dyeing, printing, embroidery, Fabric on fabric)
6. Knowledge of raw materials and processes that make up a fabric, Development of different types of fabrics
7. The students will develop the patterns of the range based on the creative pattern making / advance draping methods.
8. The students will construct the range based on the required Construction techniques.
9. Technical Details, Working Drawings, development of spec, flat sketch and costing
10. Prepare Final Design Collection
11. Fashion Photography. Fashion dressing – makeup- indoor, outdoor, hairstyle,
12. Self-grooming- Introduction, importance and application.
13. **Note-** Showcase their collection through fashion show / exhibition (both).

### Reference Books:

1. Faerm, Steven, (2012) “Design your fashion portfolio” A&C Black Publisher.
2. Fulkner, Andrew & Chaez, Conrad. (2015) “Classroom in a book”

### Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination

#### Examination Scheme:

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	To gain research, analyse, appraise and synthesize appropriate contextual information related to one's design collection.	<b>PO3</b>
<b>CO2</b>	Be able to identify and communicate clear aims and objectives related to the client and user requirements.	<b>PO4</b>
<b>CO3</b>	Be able to demonstrate the ability to follow the design process to develop a design collection.	<b>PO2</b>
<b>CO4</b>	To impart practical skills for presentations of Design Collection.	<b>PO6</b>
<b>CO5</b>	To gain emphasizes an original yet commercial realistic approach towards the collection, plan for fashion show.	<b>PO7</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PS O1	PS O2	PSO3
SFFD 304A	Design Collection		3	3	3		3	3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

## Discipline Specific Elective -II

SFFD350A	FASHION PORTFOLIO DEVELOPMENT	L	T	P	S	C
Version 1.3		0	0	0	4	4
Pre-requisites/Exposure	Understanding of Manual portfolio					
Co-requisites						

### Course Objectives:

1. To develop a portfolio which is the reflection of an individual student's design philosophy and display the various Design.
2. To familiarize the students with the process and procedure of setting up new enterprises.

### Course Outcomes:

On completion of this course, the students will be able to

- CO1. Students will understand importance and different ways of presentation of a collection.  
CO2. To display the various projects and assignments undertaken by the student.  
CO3. To emphasis on all kind of creative skills like free hand drawing, rendering, doodling art, surface ornamentation-based textile product etc.  
CO4. Students will also make poster/Banner for the events with suitable theme on CAD.  
CO5. Student will prepare video, PPT & file documentation for representing his / her best professional skills in terms of design & communication.

### Catalogue Description

The course offers students to the process of portfolio preparation. With an aim to assist students in creating customized and dynamic portfolios, the course will include fundamentals of portfolio development which will include: Concept, Styles, and Layouts, Design formats, Mounting and presenting work. The journey of portfolio creation will be captured by including the initial designs, research methodologies, rough sketches, written documents etc. All of which will give a step by step insight into the entire process of creating a final design work

### Course Content

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#### List of Experiments

1. Write up on Design philosophy.
2. Prepare designer CV.
3. Prepare 3 product on different kind of crafts.
4. Prepare 10 different type of illustration artwork like doodling, paper art, free hand drawing etc. That will represent the creative thinking.

5. Work on 6 different categories – office wear, ethnic wear, wedding wear, red carpet look, beach wear, street wear. Prepare all boards - Mood board, Story board, Client board, Color Boards, Swatch Card, Embellishment/print board, Trims/accessory board.
6. Illustration sheet, Flat specs, and cost sheet.
7. Prepare 3 garments based on your any three collections.
8. Do photo-shoot of your 3 garments,
9. Makeup photo-shoot
10. Styling photo-shoot
11. Prepare a PPT & video of your whole design work.

### Reference Books:

1. Faerm, Steven, (2012) “Design your fashion portfolio” A&C Black Publisher.
2. Fulkner, Andrew & Chaez, Conrad. (2015) “Classroom in a book”

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
CO1	Students will understand importance and different ways of presentation of a collection.	PO2
CO2	To display the various projects and assignments undertaken by the student.	PO6,PO7
CO3	To emphasis on all kind of creative skills like free hand drawing, rendering, doodling art, surface ornamentation-based textile product etc.	PO2,PO3
CO4	Students will also make poster/Banner for the events with suitable theme on CAD.	PO5
CO5	Student will prepare video, PPT & file documentation for representing his / her best professional skills in terms of design & communication.	PO7,PO4

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD350A	Fashion portfolio development		3	3	3	3	3	3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

<b>SFFD352A</b>	<b>GRAPHIC PORTFOLIO DEVELOPMENT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>
<b>Pre-requisites/Exposure</b>	Advance graphic presentation & skill work					
<b>Co-requisites</b>						

### Course Objectives:

1. To develop a portfolio which is the reflection of an individual students design philosophy and display the various skills.
2. Students will understand importance and different ways of presentation of a collection.

### Course Outcomes:

On completion of this course, the students will be able to

- CO1.** In this course student will make all the boards with the help of computer aided design.
- CO2.** Student will digitalize their collection and make a complete presentation/video through CAD.
- CO3.** Student will make cost sheet, spec sheet in Microsoft excel and flat sketches in Corel draw.
- CO4.** Student will free hand sketching in CAD and render, fill patterns and prints in CAD.
- CO5.** Students will also make poster/Banner for the events with the virtual background suitable for theme.

## Catalogue Description

This course provides the student with an opportunity to prepare themselves for the workplace. During the course, students will refine a body of design work and publish their portfolio in both print and web formats. Students will design and develop their own personal brand including—visual identity, resume, cover letter, and business cards in preparation for job interviews and/or graduate school. They will also spend the quarter researching potential employers and learn about each company, agency, and/or studio so that they can strategically tailor their application process.

## List of Experiments

1. Document all the work done throughout semester.
2. Prepare various boards required for the theme.
3. Make cost sheet, spec sheet in Microsoft excel.
4. Make flat sketches in Corel draw.
5. Free hand sketching in CAD.
6. Make rendering in CAD and fill patterns and prints.
7. Make poster/Banner for the events.
8. Make virtual background suitable for theme.
9. Select music and effects according to the theme and presentation.

**Additional Resources:** Faulkner, Andrew and Chavez, Conrad. (2015 Edition) Adobe Photoshop CC.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination, Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>



### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	In this course student will make all the boards with the help of computer aided design.	<b>PO2</b>
<b>CO2</b>	Student will digitalize their collection and make a complete presentation/video through CAD.	<b>PO6,PO7</b>
<b>CO3</b>	Student will make cost sheet, spec sheet in Microsoft excel and flat sketches in Corel draw.	<b>PO2,PO3</b>
<b>CO4</b>	Student will free hand sketching in CAD and render, fill patterns and prints in CAD.	<b>PO5</b>
<b>CO5</b>	Students will also make poster/Banner for the events with the virtual background suitable for theme.	<b>PO7,PO4</b>

		Design and Integration	Drawing Work	Critical Analysis	Employability and Interdisciplinary Approach	Conduct	Communication and Teamwork	Life-long learning	Application of Concepts	Innovation and Industry Friendly	Ethics and Communication Skills
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 352A	Graphic portfolio development		3	3	3	3	3	3	3		2

1=weakly mapped,2= moderately mapped,3=strongly mapped

**Value Added Course  
VI**

<b>VAC 108</b>	<b>BOUTIQUE MANAGEMENT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.2</b>		<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Pre-requisites/Exposure</b>	<b>Basic knowledge of boutique business</b>					
<b>Co-requisites</b>						

**Course Objective:**

1. This program aims to give knowledge about boutique start up plan & management
2. The course curriculum has been designed considering the needs and requirements of boutique design management.

**Course Outcomes:**

On completion of this course, the students will be able to

**CO1:** Be able to do fashion forecasting for markets, design process like picking a theme.

**CO2:** Creating a boutique design for the storefront, setting the right atmosphere, the right spacing, consider the checkout & product development.

**CO3:** Retail management & visual management of the merchandise with this understanding.

**CO4:** Be able to demonstrate ability to research, analyze, appraise and synthesize appropriate contextual information related to one's design collection.

**CO5:** Be able to identify and communicate clear aims and objectives related to the client and user requirements for the proposed design collection.

**Catalogue Description**

The course aims to prepare the students to be able to understand the domestic procedures followed in the apparel boutiques. The learners will be able to understand the domestic consumer requirements and provide solutions to them on a customized basis. The focus will be on making the students understand the technicalities involved in creating customized solutions for varied requirements.

**Theory Content**

**UNIT I**

**10 lecture hours**

Introduction of boutique, Type of boutique Business, 4P's and the marketing Mix, Target market, Product development, sourcing and trading, fashion forecast, trend research, classic & fad, Current trend.

**UNIT II****10 lecture hours**

Type of retail, Inventory, Ecommerce, visual Merchandising, Branding, Financial planning, Sales Techniques, Hiring Staff, Advertising, Social Media, Exhibition, Customers Service.

**Textbook:**

1. Balley Sarah, Baker Jonathan (2014). Visual Merchandising in Fashion. London:
2. Bloomsbury Publishing
3. Dunn Patrick, Lusch Robert, Griffith David A., (2002). Retailing. USA: Harcourt College Publishers
4. Levy Michael, Weitz Barton A., (1995). Retailing Management. US: Irwin Publishers

**Reference Books:**

1. Martin M. Pegler, “Visual Merchandising and Display”, 6th Edition.
2. Tony Morgan, “Visual Merchandising Window and In-store Displays for Retail”, Second Edition
3. Ellen Diamond “fashion retailing” 2<sup>nd</sup> edition.

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.**

**Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	Through this course student will learn, types, category, Principles of Event Management	<b>PO1</b>
<b>CO2</b>	Able to make an event plan covering theme, target audience and budget.	<b>PO2,PO3</b>
<b>CO3</b>	Role of an event coordinator - Administration, Design, Marketing, Operations	<b>PO6,PO4</b>
<b>CO4</b>	Describe the steps required for successfully staging the fashion event & Prepare templates for fashion show budgets and duty charts	<b>PO5</b>
<b>CO5</b>	Explain the process of marketing the event and mobilizing sponsor ships	<b>PO7</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
VAC 108	Boutique management	3	3	3	3	3	3	3	3	2	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

### Semester -VII

<b>SFFD401A</b>	<b>Dissertation Project</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>
<b>Pre-requisites/Exposure</b>	<b>Fashion Industry &amp; research exposure</b>					
<b>Co-requisites</b>						

#### Course Objective:

To gain practical knowledge of various departments workflow in apparel and textile industry & to gain hands on experience of working in a professional manner.

#### Course Learning Outcome:

On completion of this course, the students will be able to

**CO1:** To involve students with fashion industry professional.

**CO2:** To enhance their practical knowledge.

**CO3:** Students will participate in the ongoing activities of the organization as advised by the industry mentor.

**CO4:** Collect the required information and prepare a written report to be presented in the department.

**CO5:** To prepare a project based on his/her industry learning.

### Catalogue Description

This course is design for giving fashion industry exposure as per student's interest areas like designing, merchandising, styling, visual merchandiser, social media marketing, graphic designing etc. student can choose any on Field for 6 month's internship programme.

### Course Content

**Note-** 6 month's internship programme.

- **Document/ internship report & product range development submission after internship.**
- Or**
- **Research based Dissertation Project documentation & submission in UGC approved Journal.**

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination.**  
**Examination Scheme:**

Components	Quiz	Assignment/ Presentation	Mid Term Exam	Attendance	End Term Exam
Weightage (%)	10	10	20	10	50

### Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Program Outcomes
<b>CO1</b>	To involve students with fashion industry professional.	<b>PO5</b>
<b>CO2</b>	To enhance their practical knowledge.	<b>PO2,PO3</b>
<b>CO3</b>	Students will participate in the ongoing activities of the organization as advised by the industry mentor.	<b>PO4</b>
<b>CO4</b>	Collect the required information and prepare a written report to be presented in the department.	<b>PO6</b>
<b>CO5</b>	To prepare a project based on his/her industry learning	<b>PO7</b>

		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO3
SFFD 401A	Dissertation Project		3	3	3	3	3	3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

### Semester –VIII

<b>SFFD402A</b>	<b>Graduation Design Collection</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
<b>Version 1.0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>
<b>Pre-requisites/Exposure</b>	<b>Fashion Industry oriented design collection</b>					
<b>Co-requisites</b>						

#### Course Objectives:

1. To impart knowledge concentrates on developing a collection.
2. To teach students about the conceptualization of design and to construct a collection.

#### Course Outcomes:

On completion of this course, the students will be able to

CO1: To gain research, analyse, appraise and synthesize appropriate contextual information related to one's design collection.

CO2: Be able to identify and communicate clear aims and objectives related to the client and user requirements.

CO3: Be able to demonstrate the ability to follow the design process to develop a design collection.

CO4: To impart practical skills for presentations of Design Collection.

CO5: To gain emphasizes an original yet commercial realistic approach towards the collection, plan for fashion show.

### **Catalogue Description**

This course will give the learner an opportunity to creative presentation of the students design capabilities coupled with technical skills. It is an opportunity to realize design potential within the parameter of a time-frame by dedicated research, development and execution of a small, commercial or conceptual collection. Design collection is the final result of combination of all the inputs received during the preceding semesters.

### **Course Content**

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#### **List of Experiments**

1. Research on the topic selected/ Selection of Themes of Collection.
2. Fashion Forecasting and color Forecasting, Use of online service for forecasting.
3. Selection of Mood board, story board, fabric development, design development & range development.
4. Making of toils (Muslin patterns) and the final product in the form of a design collection
5. Development of Different Surface Ornamentation (Dyeing, printing, embroidery, Fabric on fabric)
6. Knowledge of raw materials and processes that make up a fabric, Development of different types of fabrics
7. The students will develop the patterns of the range based on the creative pattern making / advance draping methods.
8. The students will construct the range based on the required Construction techniques.
9. Technical Details, Working Drawings, development of spec, flat sketch and costing
10. Prepare Final Design Collection
11. Fashion Photography. Fashion dressing – makeup- indoor, outdoor, hairstyle,
12. Self-grooming- Introduction, importance and application.
13. **Note-** Showcase their collection through fashion show / exhibition (both).

#### **Reference Books:**

1. Faerm, Steven, (2012) “Design your fashion portfolio” A&C Black Publisher.
2. Fulkner, Andrew & Chaez, Conrad. (2015) “Classroom in a book”

**Modes of Evaluation: Quiz/Assignment/ presentation/ extempore/ Written Examination  
Examination Scheme:**

<b>Components</b>	<b>Quiz</b>	<b>Assignment/ Presentation</b>	<b>Mid Term Exam</b>	<b>Attendance</b>	<b>End Term Exam</b>
<b>Weightage (%)</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>50</b>

**Relationship between the Course Outcomes (COs) and Program Outcomes (POs)**

<b>Mapping between COs and POs</b>		
	<b>Course Outcomes (COs)</b>	<b>Mapped Program Outcomes</b>
<b>CO1</b>	To gain research, analyse, appraise and synthesize appropriate contextual information related to one's design collection.	<b>PO3</b>
<b>CO2</b>	Be able to identify and communicate clear aims and objectives related to the client and user requirements.	<b>PO6</b>
<b>CO3</b>	Be able to demonstrate the ability to follow the design process to develop a design collection.	<b>PO2</b>
<b>CO4</b>	To impart practical skills for presentations of Design Collection.	<b>PO4,PO5</b>
<b>CO5</b>	To gain emphasizes an original yet commercial realistic approach towards the collection, plan for fashion show.	<b>PO7</b>



		<b>Design and Integration</b>	<b>Drawing Work</b>	<b>Critical Analysis</b>	<b>Employability and Interdisciplinary Approach</b>	<b>Conduct</b>	<b>Communication and Teamwork</b>	<b>Life-long learning</b>	<b>Application of Concepts</b>	<b>Innovation and Industry Friendly</b>	<b>Ethics and Communication Skills</b>
Course Code	Course Title	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
SFFD 402A	Graduation design collection		3	3	3	3	3	3	3	3	2

1=weakly mapped,2= moderately mapped,3=strongly mapped

## Annexure-A

Annexure																		
BACHELOR OF DESIGN Year 2022-26 ( Scheme of Studies)																		
ODD SEMESTER						EVEN SEMESTER												
Year	S.No.	Course Code	Course Title	L	T	S	P	C	Sno	Course Code	Course Title	L	T	S	P	C		
First	1	CC	SFFD101A	Fibre to Yarn Studies	4	-	-	4	1	CC	SFFD114A	History of Fashion	3	1	-	-	4	
	2	CC	SFFD103A	Fundamental of Design	4	-	-	4	6	2	CC	SFFD104A	Fabric Manufacturing	3	1	-	0	4
	3	CC	SFFD151A	Pattern Making-I Lab	-	-	-	4	2	3	CC	SFFD150A	Fashion Art Illustration Lab	-	-	-	4	2
	4	SEC	SFFD153A	Fashion Model Drawing Lab	-	-	-	4	2	4	SEC	SFFD152A	Fashion Design Software -I Lab	-	-	-	4	2
	5	SEC	SFFD155A	Surface Ornamentation	-	-	-	4	2	5	SEC	SFFD158A	Art of Draping	-	-	-	4	2
	6	AECC	UCCS155A	Communication Skills	4	-	-	-	4	6	AECC	UCES125A	Environmental Studies	3	-	-	-	3
	7	GE		Open Elective - I	4	0	0	-	4	7	GE		Open Elective -II	4	0	0	-	4
<b>TOTAL</b>				<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>24</b>	<b>TOTAL</b>				<b>13</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>21</b>	
Second	1	CC	SFFD203A	Overview of Fashion Industry	3	1	-	-	4	1	CC	SFFD202A	Fashion Marketing & E-tailing	3	1	-	-	4
	2	CC	SFFD205A	Textile Chemical Processing	3	1	-	2	5	2	CC	SFFD208A	Garment Manufacturing Technology	3	-	-	2	4
	3	CC	SFFD251A	Sketching-I Lab	-	-	-	4	2	3	CC	SFFD206A	Quality Control In Textile & Apparel	3	1	-	-	4
	4	SEC	SFFD253A	Fashion Design Software -II Lab	-	-	-	4	2	4	SEC	SFFD250A	Pattern Grading Lab	-	-	-	4	2
	5	SEC	SFFD255A	Garment Construction Lab	-	-	-	4	2	5	SEC	SFFD252A	Advance Garment Construction Lab	-	-	-	4	2
	6	SEC	SFFD257A	Summer Training -I	-	-	-	-	1	6	SEC	SFFD254A	Sketching-II Lab	-	-	-	4	2
	7	SEC	SFFD265A	Pattern Making-II Lab	0	0	0	4	2	7	SEC	SFFD256A	Sustainable Fashion	-	-	-	4	2
	8	AECC	UCDM301A	Disaster Management	3	-	-	-	3	8	SEC	SFFD262A	Craft Documentation	0	0	0	0	2
	9	DSE		Discipline Specific Elective -I	-	-	4	-	4	9	DSE		Discipline Specific Elective -II	-	-	4	-	4
	10			MOOC	-	-	-	-	2	<b>TOTAL</b>				<b>9</b>	<b>2</b>	<b>4</b>	<b>18</b>	<b>28</b>
Third	1	CC	SFFD301A	Fashion Forecasting in Apparel Design	3	1	-	-	4	1	CC	SFFD302A	Fashion Entrepreneurship Skills	3	1	-	-	4
	2	CC	SFFD303A	Fashion Promotion & Communication	3	1	-	-	4	2	SEC	SFFD304A	Design Collection	-	-	5	10	10
	3	CC	SFFD305A	Fashion Retail & Visual Merchandising	3	1	-	-	4	3	DSE		Discipline Specific Elective -IV	-	-	4	-	4
	4	SEC	SFFD369A	Pattern Making -III Lab	-	-	-	4	2	4	VAC	VAC 108	Boutique Management	2	-	-	-	-
	5	SEC	SFFD353A	Craft Design & Research Project	-	-	-	4	2	<b>TOTAL</b>				<b>5</b>	<b>1</b>	<b>9</b>	<b>10</b>	<b>18</b>
	6	SEC	SFFD355A	Summer Training -II	-	-	-	-	1	1	SEC	SFFD402A	Graduation Design Collection	-	-	10	20	20
	7	DSE		Discipline Specific Elective -III	2	-	-	6	4	2	VAC		Value added subject	2	-	-	-	-
	8	VAC	VAC111	Fashion Event Management	2	-	-	-	-	<b>TOTAL</b>				<b>2</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>20</b>
Fourth	1	SEC	SFFD401A	Dissertation Project	-	-	-	-	20	<b>TOTAL</b>				<b>0</b>	<b>#</b>	<b>0</b>	<b>0</b>	<b>20</b>
	#REF!				<b>TOTAL</b>				<b>0</b>	<b>#</b>	<b>0</b>	<b>0</b>	<b>20</b>					

**Note: Educational Tour shall be conducted once a year in the I,II & assessed in relevance as part of various appropriate theory and studio courses** **Total Hours: Lect[L]+Prac[P]+Stud[S]+Tut[T]** **212**  
**Total Credits** **177**

**Students can choose Mooc courses in each semester during the duration of programme from the pool of courses provided by UGC\_Swayam/edx/courseera etc.**

Open Elective-I								
	L	T	S	P	C			
1	GE	SFFD109A	Home Textile	4	0	0	0	4
2	GE	SFFD111A	Fashion Design & Development	4	0	0	0	4

Open Elective -II								
	L	T	S	P	C			
1	GE	SFFD110A	Import- Export Management	4	0	0	0	4
2	GE	SFFD112A	Fashion Accessories Design	4	0	0	0	4

Discipline Specific Course - I								
	L	T	S	P	C			
1	DSC	SFFD269A	Indian Embroideries & Textiles Craft	2	0	0	6	4
2	DSC	SFFD271A	Western Embroideries & Textiles Craft	2	0	0	6	4

Discipline Specific Course - II								
	L	T	S	P	C			
1	DSC	SFFD258A	Technical Design Based Project	0	0	4	0	4
2	DSC	SFFD260A	Surface Ornamentation Based Project	0	0	4	0	4

Discipline Specific Course - III								
	L	T	S	P	C			
1	DSC	SFFD361A	Activewear Design	0	0	4	0	4
2	DSC	SFFD363A	Lingerie Design	0	0	4	0	4

Discipline Specific Course - IV								
	L	T	S	P	C			
1	DSC	SFFD350A	Fashion Portfolio Development	0	0	4	0	4
2	DSC	SFFD352A	Graphic Portfolio Development	0	0	4	0	4

Value Added Courses					
	L	T	P	C	
1	VAC101	SELF DEVELOPMENT	2	-	-
2	VAC103	PROFESSIONAL ETHICS	2	-	-
3	VAC104	ETIQUETTE FOR PROFESSIONALS	2	-	-
4	VAC105	CITIES FOR PEOPLE	2	-	-
5	VAC106	INDIAN CONSTITUTION	2	-	-
6	VAC107	KNOWLEDGE	2	-	-
7	VAC108	BOUTIQUE MANAGEMENT	2	-	-
8	VAC109	BEHAVIOR	2	-	-
9	VAC110	TIME MANAGEMENT	2	-	-
10	VAC111	FASHION EVENT MANAGEMENT	2	-	-
11	VAC112	WRITING AND PRESENTATION	2	-	-