B.SC., FASHION TECHNOLOGY

SYLLABUS

AFFILIATED COLLEGES

2023 – 2024 ONWARDS

MANONMANIAM SUNDARANAR UNIVERSITY,

TIRUNELVELI

INTRODUCTION

Outcome Based Education is incorporated into the curriculum based on the requirements of NAAC – UGC-Quality Mandate. To fulfill these requirements, the Program Educational Objectives (PEO's), Program Outcomes (POs) and Program Specific Outcomes (PSOs) and Course Outcomes were framed for all programs in alignment with the Vision and Mission of the respective departments and in-turn with the Vision and Mission and Educational Objectives of the University.

VISION OF THE UNIVERSITY

- To provide quality education to reach the unreached

MISSION OF THE UNIVERSITY

- To conduct research, teaching and outreach programs to improve conditions of human living
- To create an academic environment that honours women and men of all races, caste, creed, cultures and an atmosphere
- That values intellectual curiosity, pursuit of knowledge, academic freedom and integrity
- To offer a wide variety of off campus educational and training programs, including the use of information technology, to individuals and groups
- To develop partnership with industries and government so as to improve the quality of the workplace and to serve as Catalyst for economic and cultural development
- To provide quality /inclusive education, especially for the rural and un-reached segments of economically downtrodden students including women, socially oppressed and differently abled.

VISION OF THE DEPARTMENT

The vision of our department is to aspire to be a global leader in fashion and textile industry by imparting creativity, innovation and design to young entrepreneurs and designers and mold them into highly capable professionals in our country.

MISSION OF THE DEPARTMENT

The mission of our department is to provide need- based education for the benefit of the society through value-based holistic approach. To equip the learners with technical skills to meet the challenges of the fashion industry. To engage the students in start-up programmes and create excellent entrepreneurs who serve the society.

PREAMBLE

The present curriculum of B.Sc., Fashion Technology is designed to impart knowledge and skills that is career oriented. It has special relevance to fashion, textile and marketing in industries with additional knowledge and experience in entrepreneurship skills, field work, industrial visit, marketing and hard skill in textile and fashion industry.

ELIGIBILITY NORMS FOR ADMISSION

Candidate should have passed the Higher Secondary Examination conducted by the Board of Higher Secondary Education, Government of Tamil Nadu or any other Examinations accepted by the syndicate as equivalent thereto with any subjects.

DURATION OF THE COURSE

The students shall undergo the prescribed course of study for a period of not less than three academic years (Six semesters).

ELIGIBILITY OF ASSISTANT PROFESSOR

Master of Science, Qualified Ph.D., NET or SLET at the earliest. (Textile or Fashion)

B.Sc., FASHION TECHNOLOGY

LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK GUIDELINES BASED REGULATIONS FOR UNDER GRADUATE PROGRAMME	
Programme	**B.Sc. Fashion Technology**
Programme Code:	
Duration:	**3 Years (UG)**
Programme Outcome:	**PO1: Disciplinary Knowledge:** Caple of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate programme of study. **PO2: Communication Skills:** Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner to different groups. **PO3: Critical thinking:** Capability to apply analytic thought to a body of knowledge; analyses and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development. **PO4: Problem solving: Capacity** to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations. **PO5: Analytical reasoning**: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support themwith evidence and examples, and addressing opposing viewpoints. **PO6: Research-related skills**: A sense of inquiry and capability for

	asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognize cause-and-effect relationships, define problems, formulatehypotheses, test hypotheses, analyses, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, executeand report the results of an experiment or investigation. **PO7: Cooperation/Team work:** Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team **PO8: Scientific reasoning**: Ability to analyses, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective. **PO9: Reflective thinking**: Critical sensibility to lived experiences, with self-æwareness and reflexivity of both self and society. **PO10 Information/digital literacy:** Capability to use ICT in a variety of learningsituations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data. **PO 11 Self-directed learning**: Ability to work independently, identify appropriateresources required for a project, and manage a project through to completion. **PO 12 Multicultural competence:** Possess knowledge of the values and beliefsof multiple cultures and a global perspective; and capability to effectively engagein a multicultural society and interact respectfully with diverse groups. **PO 13: Moral and ethical awareness/reasoning**: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behavior such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights;

	appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work. **PO 14: Leadership readiness/qualities:** Capability for mapping out the tasks ofa team or an organization, and setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide peopleto the right destination, in a smooth and efficient way. **PO 15: Lifelong learning:** Ability to acquire knowledge and skills, including "Learning how to learn", that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of work place through knowledge/skill development/reskilling.
Programme Specific Outcomes:	On successful completion of Bachelor of **Costume Design and Fashion Design** programme, the student should be able to: **PSO1: Disciplinary Knowledge:** Understand the fundamental principles, concepts, and theories related to physics and computer science. Also, exhibit proficiency in performing experiments in the laboratory. **PSO2: Critical Thinking:** Analyze complex problems, evaluate information, synthesize information, apply theoretical concepts to practical situations, identify assumptions and biases, make informed decisions and communicate effectively. **PSO3: Problem Solving:** Employ theoretical concepts and critical reasoning ability with physical, mathematical and technical skills to solve problems, acquire data, analyze their physical significance and explore new design possibilities. **PSO4: Analytical & Scientific Reasoning:** Apply scientific methods, collect and analyses data, test hypotheses, evaluate evidence, apply statistical techniques and use computational models. **PSO5: Research related skills:** Formulate research questions, conduct literature reviews, design and execute research studies, communicate research findings and collaborate in research projects.

	PSO6: Self-directed & Lifelong Learning: Set learning goals, manage their own learning, reflect on their learning, adapt to new contexts, seek out new knowledge, collaborate with others and to continuously improve their skills and knowledge, through ongoing learning and professional development, and contribute to the growth and development of their field.

PO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
PO1	✓					
PO2		✓				
PO3			✓			
PO4				✓		
PO5					✓	
PO6						✓

Highlights of the Revamped Curriculum

- Student-centric, meeting the demands of industry & society, incorporating industrial components, hands-on training, skill enhancement modules, industrial project, project with viva-voce, exposure to entrepreneurial skills, training for competitive examinations, sustaining the quality of the core components and incorporating application oriented content wherever required.
- The Core subjects include latest developments in the education and scientific front, advanced programming packages allied with the discipline topics, practical training, devising statistical models and algorithms for providing solutions to industry / real life situations. The curriculum also facilitates peer learning with advanced statistical topics in thefinal semester, catering to the needs of stakeholders with research aptitude.
- The General Studies and Statistics based problem solving skills are included as mandatory components in the 'Training for Competitive Examinations' course at the final semester, a first of its kind.
- The curriculum is designed so as to strengthen the Industry-Academia interface and provide more job opportunities for the students.
- The Statistical Quality Control course is included to expose the students to real life problemsand train the students on designing a mathematical model to provide solutions to the industrial problems.
- The Internship during the second year vacation will help the students gain valuable work experience, that connects classroom knowledge to real world experience and to narrowdown and focus on the career path.
- Project with viva-voce component in the fifth semester enables the student, application of conceptual knowledge to practical situations. The state of art technologies in conducting a Explain in a scientific and systematic way and arriving at a precise solution is ensured. Such innovative provisions of the industrial training, project and internships will give students an edge over the counterparts in the job market.
- State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature are incorporated as Elective courses, covering conventional topics to the latest DBMS and Computer software for Analytics.

Value additions in the Revamped Curriculum

Semester	Newly introduced Components	Outcome / Benefits
I	**Foundation Course** To ease the transition of learning from higher secondary to higher education, providing an overview of the pedagogy of learning Literature and analyzing the world throughthe literary lens gives rise to a new perspective.	Instill confidence among students. Create interest for the subject.
I, II, III, IV	**Skill Enhancement papers** (Discipline centric / Generic / Entrepreneurial)	Industry ready graduates. Skilled human resource. Students are equipped withessential skills to make them employable.
		Training on language and communication skills enable the student's gain.
		knowledge and exposure in the competitive world.
III, IV, V and VI	Elective Papers	Strengthening the domain knowledge Introducing the stakeholders to the State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature Emerging topics in higher education/industry/ communication network / health sector etc.are introduced with hands-on-training.
IV	Elective Papers	Exposure to industry moulds students into solution providers. Generates Industryready graduates. Employment opportunities enhanced.

V	Elective Papers	Self-learning is enhanced. Application of the concept to real situationis conceived resulting in tangible outcome.
VI	Elective Papers	Enriches the study beyond the course. Developing a research framework and presenting their independent and intellectual ideas effectively.
Extra Credits: **For Advanced Learners / Honors degree**		To cater to the needs of peer learners / research aspirants.
Skills acquired from the Courses		Knowledge, Problem Solving, Analytical ability, Professional Competency, ProfessionalCommunication and Transferrable Skill.

Credit Distribution for UG Programmes

Sem I	Credit	H	Sem II	Credit	H	Sem III	Credit	H	Sem IV	Credit	H	Sem V	Credit	H	Sem VI	Credit	H
1.1 Part-1 Tamil or other Lang	3	6	2.1 Part-1 Tamil or other Lang	3	6	3.1 Part-1 Tamil or other Lang	3	6	4.1 Part-1 Tamil or other Lang	3	6	5.1 Core Course IX	4	5	6.1 Core Course – XIII	4	6
1.2 Part-2 English	3	6	2.2 Part-2 English	3	6	3.2 Part-2 English	3	6	4.2 Part-2 English	3	6	5.2 Core Course X	4	5	6.2 Core Course XIV	4	6
1.3 Core Course I	5	5	2..3 Core Course III	5	5	3.3 Core Course V	5	5	4.3 Core Course VII Core Industry Module	5	5	5. 3.Core Course XI	4	5	6.3 Core Course XV	4	6
1.4 Core Course II	5	5	2.4 Core Course IV	5	5	3.4 Core Course VI	5	5	4.4 Core Course VIII	5	5	5. 4.Core Course –/ Project with viva-voce XII	4	5	6.4 Elective VII Generic/ Discipline Specific	3	5
1.5 Elective I Generic/ Discipline Specific	3	4	2.5 Elective II Generic/ Discipline Specific	3	4	3.5 Elective III Generic/ Discipline Specific	3	4	4.5 Elective IV Generic/ Discipline Specific	3	3	5.5 Elective V Generic/ Discipline Specific	3	4	6.5 Elective VIII Generic/ Discipline Specific	3	5
1.6 Skill Enhancement Course-1	2	2	2.6 Skill Enhancement Course-2	2	2	3.6 Skill Enhancement Course 4, (Entrepreneurial Skill)	1	1	4.6 Skill Enhancement Course 6	2	2	5.6 Elective VI Generic/ Discipline Specific	3	4	6.6 Extension Activity	1	-
1.7 Skill Enhancement - (Foundation Course)	2	2	2.7 Skill Enhancement Course 3	2	2	3.7 Skill Enhancement Course 5	2	2	4.7 Skill Enhancement Course 7	2	2	5.7 Value Education	2	2	6.7 Professional Competency Skill	2	2
						3.8 Environmental Studies	-	1	4.8 Environmental Studies	2	1	5.8 Summer Internship /Industrial Training	2				
	23	**30**		**23**	**30**		**22**	**30**		**25**	**30**		**26**	**30**		**21**	**30**
Total – 140 Credits																	

Credit Distribution for UG Programmes

Credit and Hours Distribution System for all UG courses including Lab Hours

First Year – Semester-I

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses [in Total]	13	14
Part-4	Skill Enhancement Course COURSE-1	2	2
	Foundation Course	2	2
		23	**30**

Semester-II

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses including laboratory [in Total]	13	14
Part-4	Skill Enhancement Course -COURSE-2	2	2
	Skill Enhancement Course -COURSE-3 (Discipline / Subject Specific)	2	2
		23	**30**

Second Year – Semester-III

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses including laboratory [in Total]	13	14
Part-4	Skill Enhancement Course -COURSE-4 (Entrepreneurial Based)	1	1
	Skill Enhancement Course -COURSE-5 (Discipline / Subject Specific)	2	2
	Environmental Studies	-	1
		22	**30**

Semester-IV

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses including laboratory [in Total]	13	13
Part-4	Skill Enhancement Course -COURSE-6 (Discipline / Subject Specific)	2	2
	Skill Enhancement Course -COURSE-7 (Discipline / Subject	2	2

	Specific)		
	Environmental Studies	2	1
		25	**30**

Third Year
Semester-V

Part	List of Courses	Credit	No. of Hours
Part-3	Core Courses including Project / Elective Based	22	28
Part-4	Value Education	2	2
	Internship / Industrial Visit / Field Visit	2	
		26	**30**

Semester-VI

Part	List of Courses	Credit	No. of Hours
Part-3	Core Courses including Project / Elective Based & LAB	18	28
Part-4	Extension Activity	1	-
	Professional Competency Skill	2	2
		21	**30**

METHOD OF EVALUATION:

Continuous Internal Assessment (Theory)	End Semester Examination (Theory)	Total
25	**75**	**100**
Continuous Internal Assessment (Practical)	**End Semester Examination (Practical)**	**Total**
40	**60**	**100**

MANONMANIAM SUNDARANAR UNIVERSITY – TIRUNELVELI

B.SC., FASHION TECHNOLOGY CURRICULUM

(For the students admitted during the academic year 2023 -2024)

Part I/ II/ III/ IV/V	Subject Code	Subject Status	Subject Title	Credit	Hours/Week		Maximum Marks		
					Theory	Practical	CIA	ESE	Total
SEMESTER – I									
I		Part - I	Tamil/Other Language	3	6	-	25	75	100
II		Part - II	English	3	6	-	25	75	100
III		Core Course -1	Fiber to Fabric	5	5	-	25	75	100
III		Core Course - 2	Fashion Designing	5	5	-	25	75	100
III		Elective - 1 (Generic/ Discipline Specific)	**a.** Care and Maintenance of Textile **b.** Fashion Appreciation **c.** Non-Woven	3	4	-	25	75	100
IV		Skill Enhancement Course - 1	Fashion Sketching (P)	2	-	2	40	60	100
IV		Skill Enhancement – 2 (Foundation Course)	FashionDesigning (P)	2	-	2	40	60	100
			TOTAL	**23**	**30**				
SEMESTER – II									
I		Part - I	Tamil/Other Language	3	6	-	25	75	100
II		Part – II	English	3	6	-	25	75	100
III		Core Course – 3	Basics of Garment Construction	5	5	-	25	75	100
III		Core Course – 4	Basics of Garment Construction Practical	5	-	5	25	75	100
III		Elective – 2 (Generic/ Discipline Specific)	**a.** Basics of Cosmetology **b.** Home Textiles **c.** Garment Accessories and Trims	3	4	-	25	75	100
IV		Skill Enhancement Course - 3	Surface Embellishment (P)	2	-	2	40	60	100
IV		Skill Enhancement Course – 4	Fiber to Fabric (P)	2	-	2	40	60	100
			TOTAL	**23**	**30**				

SEMESTER - I

Course code		FIBER TO FABRIC	L	T	P	C
Core Course -1		Paper I	4	-	-	4
Prerequisite		Basic knowledge in textile science	Syllabus Version	2023-2024		

Course Objectives:

The main objectives of this course are to:

1. Impart knowledge on the manufacturing process of fabric from the fiber
2. Teach the methods and techniques involved in the fibre, yarn and fabric manufacturing process
3. Know the trends and technologies followed in the textile industry

Expected Course Outcomes:

On successful completion of the course, student will be able to:

CO1	Classify fibers and understand the manufacturing and properties of natural fibers	K2
CO2	Discover the manufacturing process of man - made fiber	K3
CO3	Understand the yarn types and its manufacturing process	K2
CO4	Describe the weaving methods and its characteristic features	K1
CO5	Gain an understanding of knitting and non wovens	K4

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

Unit: I Fiber Classification, Natural fibers **12 hours**

Introduction to Textiles Fibers - classification of fibers – primary and secondary characteristics of textile fibers.

Manufacturing process, properties and uses of natural fibers – cotton, linen, Jute, silk, wool. Brief study about Organic Cotton, woolen and worsted yarn, types of silk.

Unit: II Regenerated and synthetic fibers **12 hours**

Manufacturing process, properties and uses of man-made fibres –Viscose rayon, nylon, polyester, acrylic. Brief study on polymerization, bamboo, spandex, Micro fibres & its properties.

Texturization - Objectives, Types of textured yarns & Methods of Texturization.

Unit: III Yarn manufacturing **12 hours**

Spinning –Definition and classification; Chemical and mechanical spinning; Cotton Yarn Production sequence and objectives- opening, cleaning, doubling, carding, combing, drawing, roving and

spinning. Comparison of carded and combed yarn**.**

Yarn - Definition and classification- simple and fancy yarns. Manufacturing Process of sewing thread – cotton and synthetic. Yarn numbering systems - Significance of yarn twist.

Unit: IV Weaving Mechanism **12 hours**

Classification of fabric forming methods – Weaving preparatory processes and its objectives – Warping, Sizing & Drawing – in. Weaving mechanism- Primary, secondary & auxiliary motions ofa loom. Parts and functions of a simple loom; Classification of looms Salient features of automatic looms; Shuttle looms, its advantages - Types of shuttles less looms – Rapier – Projectile – Air jet – Water jet.

Unit: V **Knitting and Non-Woven Fabrics** **12 hours**

Knitting- Definition, classification. Principles of weft and warp knitting – Terms of weft knitting. Knitting machine elements. Classification of knitting machines. Characteristics of basic weft knit structures.

Introduction to Non-Woven - Application and uses.

Total Lecture hours **60 hours**

Text Book

1. Textiles –Fibre to fabric, Corbmann B.P, International student's edition, Mc Graw Hill. Book company, Singapore,1985.
2. Textile fabrics and their Selection – Isabel Barnum Wingate, Published by Prentice-Hall, 1964.
3. Fundamentals of Textiles and Their care, Susheela dantyagi, Orient Longman Private limited, Fifth edition,1996.

Reference Books

1. Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, WoodheadPublishing India in Texiles, 2014.
2. Mechanisms of Flat Weaving Technology, Elena V Chepelyuk, Palitha Bandara and Valeriy V, Choogin; Woodhead Publishing series in Textiles, 2013.
3. Handbook of fiber science and Technology, Menachem Lewin and Stephen B Sello, MarcelDekker, Inc, New York,1984.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. http://textilefashionstudy.com
2. https://fashion2apparel.blogspot.com/2017/07/classification-loom.html
3. https://www.inda.org/about-nonwovens/

LOCF MAPPING

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

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

Course code		FASHION DESIGNING		L	T	P	C
Core Course - 2		Paper II		4	-	-	4
Prerequisite		Have basic knowledge in designing		Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. Impart knowledge on design concepts in the field of fashion
2. Familiarize with the fashion cycles, consumers and theories
3. Design suitable garments for unusual figure types

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1		Understand the design types, elements and principles of design	K2
CO2		Appraise the colour combinations with standard colour harmonies	K5
CO3		Interpret the fashion cycles, consumer groups and fashion theories	K2
CO4		Develop dress design for unusual figure types	K6
CO5		Define and describe the fashion terminologies and fashion profiles	K1

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

Unit: I Design Elements and Principles **12 hours**

Design- definition and types – structural and decorative design, requirements of a good structural anddecorative design in dress.

Elements of design and its application in dress – line, shape or form, colour and texture. Principles ofdesign and its application in dress – balance, rhythm, emphasis, harmony and proportion.

Unit: II Standard Colour Harmonies **12 hours**

Colour theories; Prang colour chart Dimensions of colour- hue, value, and intensity. Standard colour harmonies – Related, Contrasting and Neutral colour harmony; Application ofColour in principles of design- application of the same in dress design.

Unit: III Fashion Evolution and Fashion Forecasting **12 hours**

Fashion evolution – Fashion cycles, Length of cycles, consumer groups in fashion cycles – fashionleaders, fashion innovators, fashion motivation, fashion victim, Fashion followers. Adoption

of Fashion theories – Trickle down, trickle up and trickle across. Fashion forecasting – Need for forecasting.

Unit: IV Designing Dresses for Unusual Figures **12 hours**

Deigning dresses for unusual figures – becoming and unbecoming – for the following figure types. Stout figure, thin figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead.

Unit: V Fashion Terminologies and Fashion Profiles **12 hours**

Definition and meaning of the fashion terms – fashion, style, line and collection, Mannequin and dressforms; fashion show; high fashion; Haute couture, couture and couturier; knock-off; Avant Garde; Pre– a – porter, Role/qualities of a Fashion Designer, Fashion Stylist, Fashion Journalist, Fashion Merchandiser, Fashion Director.

Total Lecture hours - 60 hours

Text Book(s)

1. Fashion Sketch Book – Bina Abling, Fair Child Publications, New York Wardrobe,1988.
2. Art and Fashion in Clothing Selection – Mc Jimsey and Harriet, Iowa State University Press, Jowa,1973.

Reference Books

1. Fashion From Concept to Consumer – Frings Gini Stephens, Pearson Education, US, 1998.
2. Inside the Fashion Business – Kitty G. Dickerson, Pearson Education, US, 2007.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.apparelsearch.com/terms/index.htm
2. https://www.instyle.com/fashion
3. https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/

LOCF MAPPING

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

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

Course code		CARE AND MAINTANENCE OF TEXTILE	L	T	P	C
Elective - 1 (a)			4	-	-	3
Prerequisite		Basic knowledge about fabric and Garment Care	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. Gain a better understanding method in taking proper care of the clothing.
2. Impart knowledge on machines and equipment's used in the washing, storing and ironing process.
3. Impart knowledge on the types of the wash care labels and their meaning.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Identify suitable methods of washing, drying, ironing and storing.	K1
CO2	Understand the wash care labels and act accordingly.	K2
CO3	Appraise the types of equipment used in the care of fabrics.	K3
CO4	Recognize the need for dry-cleaning for fabrics.	K2
CO5	Evaluate the methods and equipment's to be used for a better life of clothes	K5

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

Unit: I Water and Laundry Soaps **12 hours**

Water-hard and soft water, methods of softening water. Laundry soaps -composition of soap types of soap, soap less detergents, detergent manufacture, advantages of detergents, Manufacturing process of soap and detergents.

Unit: II Finishes and Stain Removal **12 hours**

Finishes–Stiffening Agents –Starch (cold water and hot water), Other stiffening agents, preparation ofstarch, laundry blues, their application. Stain removal common methods of removing stains; food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration/mildew, tar, turmeric and kum-kum.

Unit: III Washing, Drying and Ironing **12 hours**

Washing–Points to be noted before washing, Machine–types semi-automatic and fully automatic; Top loading and front loading; wash cycles in a washing machine Drying equipment's–Indoor and outdoor drying

Iron box–Parts and functions of an electric iron box; types-automatic iron box and steam iron. Ironing board - different types.

Unit: IV Laundering of Different Fabrics **12 hours**

Laundering of different fabrics– cotton and linen, woolens, coloured fabrics, silks, rayon and nylon. Special types of Laundry–waterproof coats, silk ties, leather goods, furs, plastics, lace.

Unit: V Storing, Dry Cleaning and Care Labels **12 hours**

Storing – Methods of storing clothes, best way to store clothes Drycleaning–Benefits, differences between dry cleaning and laundry, Steps in dry cleaning**,** Care labels –Importance and Types -The International Care Labelling System, The Japanese Care Labelling System, The Canadian Care Labelling System, The European Care Labelling System, The American Care Labelling System**.**

Total Lecture hours - 60 hours

Text Book(s)

1. Wingate I B, Textiles fabrics and their Selection, Prentice-Hall Inc Publishers, 1946.
2. Fundamentals of Textiles and their Care- Susheela Dantyagi, Orient LongmannLtd,1980.

Reference Books

1. Mildred T. Tate and Glisson.O., Family Clothing, John Wiley & Sons Inc, Illinois,1961.
2. Durga Deulkar, Household Textiles and Laundry Work, Amla Ram & Sons, Delhi,1951.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://tide.com/en-us/how-to-wash-clothes/how-to-do-laundry/your-comprehensive-guide-on-how-to-do-laundry#Step1
2. https://www.rinse.com/blog/care/what-is-dry-cleaning/
3. https://fleming.ca.uky.edu/files/clothing_storage.pdf
4. https://www.home-storage-solutions-101.com/clothes-storage.html

LOCF MAPPING

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

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

Course code		FASHION APPRECIATION	L	T	P	C
Elective - 1 (b)			4	-	-	3
Pre-requisite		Fashion concept and various fashion environment	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. To introduce various art forms to the students by class room teaching, case studies, pictorial presentation and craft tools.
2. To engage the students to work on types of fashion and art forms by making them to create miniature models.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Remember the basics of fashion concepts	K1
CO2	Understand fashion styling, role of fashion and forecasting.	K2
CO3	Apply the concepts of styling as free lancing and photo shooting.	K3
CO4	Analyze the various cultural adoption and world art.	K4
CO5	Create world art and writing based on fashion concepts	K6

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

Unit: I Introduction to Fashion **12 hours**

Introduction to fashion – Types of Fashion – Haute Couture fashion–Ready-to-Wear fashion-Mass market fashion – Fashion cycle.

Unit: II Fashion Styles **12 hours**

Types of fashion styles: chic, bohemian, vintage, preppy, artsy, tomboy. Alternative clothing style – Punk Fashion, Gothic Fashion, hipster, steam punk, street grunge, Heavy metal fashion.

Unit: III Art Forms **12 hours**

Fashion as Cultural Indicators, Cross Culture Studies, Role of fashion in human culture, Fashion Adoptions – sources of inspiration and their selection. World Art–Cubism, Pop art, German expression, Futurism Dada.

Unit: IV Art of writing **12 hours**

Art Writing, writing for blogs, mind mapping and keyword selection, working as a creative team with free lancing stylist. Creating story, content preparation for art and styling, working on concept boards, setting trends, curating and narrating, fashion forecasting.

Unit: V Photoshoot **12 hours**

Styling and basic grooming–model poses based on garment –final photoshoot and outcome.

Total Lecture hours - 60 hours

Text Books

1. Louvre: all the Paintings, Anja Grebe, Black Dog & Leventhal, NewYork,2020.
2. Printers of the Mughal Garden, Brigitte Singh, Bishwadeep Maitra, Mapin Publishing Pvt,Ltd, Gujarat, 2018.
3. Think Likean Artist, Will Gompertz, Penguin Publishers, London,2016.

Reference Books

1. Post Modernism– A Very Short Introduction, Christopher Butler, Oxford University Press, Uttar Pradesh, 2002.

2. Indian Art, Parthe Mitter, Oxford University Press, Uttar Pradesh, 2001.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.masterclass.com/articles/types-of-fashion-styles
2. https://www.kokuyocamlin.com/camel/techniques/art-reporter/famous-painting-styles-of-the- world
3. https://sewport.com/learn/fashion-photoshoot

LOCF MAPPING

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

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

Course Code		**NON-WOVEN**	**L**	**T**	**P**	**C**
Elective - 1 (c)			**4**	**-**	**-**	**3**
Pre-requisite		**Basic knowledge about fabric**				

Course Objectives:

The main objectives of this course are to:

1. Rephrase Fiber preparation process.
2. Gain an understanding about Nonwovens.
3. Impart knowledge on Bonding process.
4. Impart knowledge on fiber preparation for non-woven production

Expected Course Outcomes:

On the successful completion of the course, student will be able to:		
CO1	Define Non wovens fiber used in textile industry.	K1
CO2	Understand the wash care labels and act accordingly and summarize the fiber.Preparation Processes of raw materials.	K2
CO3	Appraise the types of equipment used in the care of fabrics and categorize the web bonding process.	K3
CO4	Recognize the need for dry cleaning for fabrics and Interpret polymer technologies. and its sequence.	K2
CO5	Evaluate theme and equipment's to be used for a better life of clothes—Analyze the structure of non-woven fiber.	K5
K1 - Remember; **K2** - Understand; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate; **K6** – Create		

Unit: I Fiber for Non-woven **12 hours**

Overview of Nonwovens -Introduction and Definitions, Elements of non-woven, Fibers -geometry, Structure of fibrous webs. Basic non- woven processes and their sequences.

Unit: II Fiber Preparation Processes of raw materials **12 hours**

Uses of natural fiber for non-woven fabrics, Fiber Preparation Processes of raw materials –Fiber preparation mixing and Carding process, Parallel lay process, Cross lay process, Perpendicular - Lay process, Air-lay process and Wet-lay process.

Unit: III Web Bonding **12 hours**

Web Bonding Processes Mechanical bonding processes - Needle-punch process and Hydrogen entanglement process. Thermal bonding processes-Principles of thermal bonding, Calendar bonding process, Through-air bonding process, Infra-red bonding process, Ultra sonic bonding process. Chemical bonding processes- Chemical binders, Methods of binder applications, Saturation bonding process, Foam bonding process, Spray bonding process, Print bonding process, Methods of drying

Unit: IV Structure and Application **12 hours**

Web geometry, fiber orientation curl factor, web density. Identification, properties and applicationof different non-woven.

Unit: V Evaluation of Non-Woven Fabrics **12 hours**

Porosity, tear strength, air permeability, tensile strength, 3-point bending test, fatigue test, CBR loading, cone puncture test, abrasion test, peeling test, pilling test, study of DIN standards.

Total Lecture hours - 60 hours

Text Books

1. S.J. Russell(Ed.),HandbookofNonwovens,WoodheadPublishing,CRCPress,WashingtonDC,20

07.

2. W. Albrecht, H. Fuchs and W.Kettelmann, Non-woven Fabrics: RawMaterials, Manufacture, Applications, Characteristics, Testing Process, Wiley- VCH, VerlagGmb H &Co. KGA.

Reference Books

1. M.S. Casper, Non - woven, Textiles, Noyes Data Corp. (Park Ridge, N.J),1975.
2. M.Mcdonald,NonwovenFabricTechnology,ParkRidge,NJ:NoyesData,1971.AjointventurebyII ScandIITs, funded.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://recovo.co/blog/what-is-non-woven-fabric/
2. https://www.textileschool.com/352/non-woven-fabrics/
3. https://www.textiletoday.com.bd/types-non-woven-fabrics-manufacturing-processes- applications

LOCF MAPPING

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

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

Course code		FASHION SKETCHING PRACTICAL	L	T	P	C
Skill Enhancement Course - 1			-	-	2	2
Pre-requisite		Basic drawing skills				

Course Objectives:
The main objectives of this course are to: Impart skills in drawing and colouring. Illustrate garment sketches for children, women and men. Create sketches of different parts of a human body in different perspectives

Expected Course Outcomes:		
On the successful completion of the course, student will be able to:		
CO1	Illustrate garment designs for children	K4
CO2	Illustrate garment designs for women	K4
CO3	Illustrate garment designs for men	K4
CO4	Sketch the parts of the body in various perspectives	K3
CO5	Sketch different views of male and female face	K3

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

Unit: I

Illustrate the Following in Different Perspectives **06 hours**

Instructions–Create for male and female

1. Eyes
2. Ears
3. Nose
4. Lips
5. Hairstyles
6. Arms
7. Legs

Unit: II Sketch the face of male and female in different views **06 hours**

1. Front view
2. Three quarter turned view
3. Profile view(sideview)

Unit: III Illustrate the Following Children's Garments **06 hours**

Instructions–Create designs and Colour using any medium

1. Bib
2. Jabla with knicker
3. Baba suit
4. Frocks

Unit: IV Illustrate the Following Children's Garments **06 hours**

Instructions–Create designs and Colour using any medium

1. Skirts
2. Ladies tops
3. Salwar
4. Kameez
5. Maxi/ Gown
6. Dungarees

Unit: V Illustrate the Following Men's Garments **06 hours**

Instructions –Create designs and Colour using any medium

1. T-Shirts
2. Shirts
3. Pants
4. Kurta
5. Pyjama

Total Lecture hours - 30 hours

Text Books

1. Fashion Design Drawing an dPresentation, Ireland Patrick John, Pavilion Books, 1982.
2. Fashion Design Illustration: Children, Ireland Patrick John, BTBatsfordLtd,1995.
3. Fashion Design Illustration: fasMen, Ireland Patrick John, BTBatsford Ltd,1996.
4. **Reference Books**
5. Fashion Illustration, Kiper Anna, David& Charles, 2011. ISBN:9780715336182.
6. Foundation in fashion design and illustration–Julian Seaman, Batsford Publishers, 2001.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.idrawfashion.com/
2. https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3. https://in.pinterest.com/pin/458804280762797371/

LOCF MAPPING

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

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

Course code		FASHION DESIGNING PRACTICAL	L	T	P	C
Skill Enhancement -2 (FC)			-	-	2	2
Pre-requisite		Knowledge in Fashion Sketching				

Course Objectives:

The main objectives of this course are to:

Familiarize with the elements and principles of design.

Play with colours following the standard colour harmonies.

Create garment design for various seasons on fashion figures.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Develop Prang colour chart, value and intensity chart.	K6
CO2	Illustrate figures-child, women and men	K4
CO3	Sketch garment designs following the various elements of design	K3
CO4	Apply the principles of design and colour harmonies in garments design	K3
CO5	Create garment designs for various seasons	K6

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

Unit: I Prepare the following Charts **05 hours**

1. Prang colour chart,
2. Value chart
3. Intensity chart

Unit: II Illustrate Human Figure for the Following Heads **05 hours**

1. Child - 6 head.
2. Women – 8 head,10 head and 12 head.
3. Men –10 head

Unit: III Illustrate Garment Designs for the Elements of Design **05 hours**

1. Line
2. Texture
3. Shape

Unit: IV Illustrate Garment Designs for the Principles of Design **05 hours**

1. Balance (Formal and Informal)
2. Harmony
3. Emphasis
4. Proportion
5. Rhythm (by Repetition, Graduation and Line Movement)

Unit: V Illustrate the Colour Harmony in Dress Design **05 hours**

- Monochromatic
- Analogous
- Complimentary
- Double complementary
- Split complementary
- Triad
- Neutral

Create Garments for the Following Seasons **05 hours**

- Summer
- Winter
- Autumn
- Spring

Total Lecture hours - 30 hours

Text Books

1. Fashion Sketch Book, Bina Abling, Fair Child Publications, New YorkWardrobe,1988.
2. Illustrating Fashion, Kathryn McKelvey and Janine Munslow, Blackwell Science, 1997.

Reference Books

1. Art and Fashion in Clothing Selection, Mc Jimsey and Harriet, Iowa State University Press, Jowa,1973.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1.https://www.idrawfashion.com/

2. https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3. https://in.pinterest.com/pin/458804280762797371/

LOCF MAPPING

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

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

SEMESTER - II

Course code		BASICS OF GARMENTCONSTRUCTION	L	T	P	C
Core Course - 3			5	-	-	5
Pre-requisite		Basic knowledge about garment components	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:
1. Teach the basics of the functions of the sewing machine and the essential tools
2. Explain the techniques of pattern making, grading and alteration
3. Understand the types of sleeves, yokes and collars

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Describe the functions of a sewing machine and the tools needed for sewing	K2
CO2	Compare the methods of preparing pattern	K2
CO3	Appraise the types of sleeves	K4
CO4	Analyze the types of collars and yokes	K4
CO5	Appraise the techniques in pattern layout, alteration and grading	K5

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

Unit: I Essentials of Sewing **15 hours**

Parts and functions of a single needle machine, essential tools – cutting tools, measuring tools,marking tools, embroidery tools, general tools, pressing tools, Body measurement – importance, Method of taking measurements for ladies and men.Measurements required for women's salwar and kameez. Measurements required for men's shirt and Pant.

Unit: II Pattern Making and Fitting **15 hours**

Pattern Making – Types; Drafting, Draping and Commercial Patterns; Advantages and Limitations.Methods of transferring pattern markings; Grain – Importance, its types; Fitting - Standards of a good fit.

Unit: III Sleeve and Its Types **15 hours**

Sleeves – definition, types, set-in-sleeves – plain sleeve, puff sleeve, bishop sleeve, bell, circular. Modified armhole – squared armhole. Cap sleeve and Magyar sleeve. Sleeve and bodice combined –raglan, kimono and dolman.

Unit: IV Types of Collars and Yokes **15 hours**

Collars – definitions, types, peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar,open collar, Chinese, turtle neck, shawl collar. Yokes – types, simple yoke, yoke with fullness within the yoke, yoke supporting/ releasing fullness.

Unit: V Pattern Alteration, Layout and Grading **15 hours**

Pattern alteration – importance of altering patterns, general principles for pattern alteration, commonpattern alteration in a blouse.

Pattern layout - definition, purpose, rules in layout, types of layouts Pattern grading (manual) –definition, basic front, basic back basic sleeve.

Total Lecture hours -75 hours

Text Books

1. Practical Clothing Construction – Part I, Mary Mathews, Cosmic Press, Chennai ,1986.
2. Practical Clothing Construction – Part II, Mary Mathews, Cosmic Press, Chennai ,1986.
3. Zarapker system of cutting –Zarapker. K. R., Navneet publications Ltd ,1994.

Reference Books

1. Pattern Grading for Women's clothing, The technology of sizing, Gerry Cooklin, Blackwell Science Ltd ,1990.
2. Sewing and Knitting – A Readers Digest, Step -by -Step Guide, Readers Digest Pvt Ltd, Australia,1993.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827
2. https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html
3. https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html
4. https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making

LOCF MAPPING

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

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

Course code		BASICS OF GARMENT CONSTRUCTION PRACTICAL	L	T	P	C
Core IV			-	-	5	5
Pre-requisite		Basic knowledge in garment construction	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to create:

1. Impart sewing skills in creating garment components.
2. Develop miniature patterns for skirts, sleeves, collars and yoke.
3. Create miniature samples for skirts, sleeves, collars and yoke

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Develop samples for seams, seam finishes and hems	K6
CO2	Create samples for fullness and neckline finishes	K6
CO3	Create samples for plackets fasteners and pockets	K6
CO4	Construct miniature samples for skirt and sleeves	K6
CO5	Construct miniature samples for collars and yoke	K6

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

1. Preparation Samples for the Following **35 hours**

1. Seams–Plain seam, top stitched seam, flat fell seam, piped seam, lapped seam
2. Seam Finishes–double stitch, edge stitched, overlock(optional)
3. Hems–narrow, stitched and turned, hems for circular shape
4. Darts –single and double
5. Tucks–Pin tuck, cross tuck, group tucking
6. Neckline Finishes – Bias facing, Bias binding and Shaped facing
7. Plackets – continuous placket, bound placket and faced placket, zipper placket, tailored placket
8. Fasteners–Press buttons, Hook and eye, Button and Buttonhole
9. Pocket–Patch pocket, side seam pocket, bound and faced pocket

2. Prepare Miniature Samples for the following **40 hours**

1. Skirt–pleated skirt, gathered skirt, circular skirt
2. Sleeve–Plain sleeve, Magyar Sleeve, Raglon Sleeve
3. Collar-Flat collar (any type), Open collar
4. Simple Yoke

Total Lecture hours -75 hours

Text Books

1. Practical Clothing Construction–Part I Mary Mathews, Cosmic Press, Chennai, 1986.
2. Practical Clothing Construction–Part II, Mary Mathews, Cosmic Press, Chennai, 1986.
3. Zarapker system of cutting –Zarapker.K.R., Navneet publicationsLtd,1994.

Reference Books

1. Sewing and Knitting– A Readers Digest, Step-by-Step Guide, Readers Digest Pvt. Ltd, Australia, 1993.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html
2. https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html
3. https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making
4. http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827

LOCF MAPPING

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

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

Course code		BASICS OF COSMETOLOGY	L	T	P	C
Elective - 2 (a)			4	-	-	3
Pre-requisite		Basic knowledge about personal care	Syllabus Version		2023-2024	

Course Objectives:

1. To gain knowledge about personal grooming
2. To enable the student to develop knowledge in dressing, make up to the Etiquettes.
3. To help them to understand and apply the procedures for different personalities

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Importance of cosmetology	K1
CO2	Understand Equipment used for pedicure, basic pedicure technique	K2
CO3	Beware of Equipment and techniques used for Manicure	K2
CO4	Analyze skin and hair	K3
CO5	Apply face makeup	K4

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

Unit: I Cosmetology – An Introduction **12 hours**

Cosmetology – Introduction, Definition, and its importance-difference between beautician and Cosmetologist -features of a cosmetologist – Types and application- Self- grooming–definition and its importance.

Unit: II Pedicure **12 hours**

Pedicure, definition, need for pedicure, tools and equipment used for pedicure, step by-stepprocedure of pedicure-, pedicure technique– benefits – difference between spa and regular pedicure - Pedicure safety.

Unit: III Manicure **12 hours**

Manicure- equipment used for Manicure, Types- French, hot oil, dip power manicures- paraffin wax treatments -shaping of nails, removal of the cuticles, Mehandi-Classical, Arabic, Glitter, Painting and Nail Art – Nail Care.

Unit: IV Skin and hair **12 hours**

Structure and function of skin, Skin types, skin tones, tips for skin care and steps in basic facial. Care for skin and hair-Basic Hairstyles: Knotted style - Rolling style – Plaited style - Basic structure of skin and hair, Products available, skin and haircare, makeup for face and hairdo styles.

Unit: V Face makeup **12 hours**

Face makeup - meaning, makeup application, Make-up types, shape and colour of Hair, hair care and

hair styles for occasion.

Basic Haircuts- Straight Trimming, “U”-cut and “V”– Cut.

Total Lecture hours - 60 hours

Text Books

1. Dr. Neena Khanna, Body and Beauty Care, Pustak Mahal Publishers (2011).
2. Rashmi Sharma, Herbal Beauty & Body Care. Pustak Mahal Publishers (2011).
3. Richa Dave, Make-up Album, Navneet Publication (2006).

Reference Books

1. Catherine M.Frangie. Milady, Standard cosmetology, Milady Publishing Company.(2014).
2. Roshini Dayal, Natural Beauty Secrets from India, Tata publishing Enterprises. LLC,(2008).
3. P.J.Fitzgerald., The complete book of Hairstyling, Mansoor book house,(2003).Trinny woodwall, Sunsannal constantive,

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.pharmacistdunia.com/2018/07/introduction-to-cosmetology.html
2. https://ncert.nic.in/vocational/pdf/kvbk103.pdf
3. https://www.health.harvard.edu/topics/skin-and-hair
4. https://www.colorescience.com/blogs/learn/how-to-apply-makeup

LOCF MAPPING

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

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

Course code		HOME TEXTILES	L	T	P	C
Elective – 2 (b)			4	-	-	3
Pre-requisite		Knowledge about choice of fabrics for Home Textiles	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. Impart knowledge on the various home textile products
2. Gain in sights on the bedlinens, kitchen linens, bathroom linens
3. Acquire better understanding on the choice of fabrics for the home textile products

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Classify the home textile products	K2
CO2	Understand the types of floor and wall coverings	K2
CO3	Distinguish curtains and draperies	K4
CO4	Describe the types of soft furnishings	K1
CO5	Discover the types and functions of kitchen linen	K3

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

Unit: I Home Textiles – An Introduction **12 hours**

Introduction to home textiles, definition, types of home textiles, factors influencing selection ofhome textiles, recent trends in home textiles.

Unit: II Floor and Wall Covering **12 hours**

Floor and wall coverings– definition, types of floors covering –hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering-definition, uses care and maintenance of wallcoverings.

Unit: III Door and Window Treatment **12 hours**

Door and window treatments – definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of Curtains –draw, tailored, pleated, cafe, three tier curtains. Types of Draperies– swags. Accessories- rod shook, rails, racks, curtain tape pins.

Unit: IV Soft Furnishings for Living and Bed Linen **12 hours**

Introduction to living and bedroom linens, types- sofa, softcovers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bedsheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.

Unit: V Soft Furnishings for Kitchen and Dining **12 hours**

Soft furnishings for kitchen and dining, types of kitchen linens– kitchen towel, aprons, dish cloth,

fridge, grinder and mixie covers, mittens, fridge holders– their uses and care. Types of dining-tablemat, dish/potholders, cutlery holder, fruit baskets, hand towels- uses and care. Bathroom linens– types, uses and care.

Total Lecture hours - 60 hours

Text Books

1. Home Comforts – The Arts and Science of Keeping Home, Cheryl Mendelson, Scriber, New York, 2005.

2. Cushions and Pillows – Professional Skills – Made Easy, Hamlyn Octopus, Octopus Publishing Group, New York, 2001

3. The Ultimate Sewing Book 200 Sewing Ideas for You and Your Home, Magi MC, Mc Cormick Gordon, Collins and Brown, London. 2002.

Reference Books

1. Artin Everyday Life, Harriet Goldstein and Vetta Goldstien, The Macmillian Company,2004
2. Performance of Home Textiles, Subrata Das, Woodhead Publishing India Pvt. Limited, 2010
3. Home Furnishing, V.Ramesh BabuandS. Sundaresan, Woodhead Publishing India Pvt. Limited, 2018.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.homestratosphere.com/types-curtains/
2. https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html
4. https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review
5. http://www.india-crafts.com/textile/home-textile.html

LOCF MAPPING

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

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

Course code		GARMENT ACCESSORIES AND TRIMS	L	T	P	C
Elective - 2 (c)			4	-	-	3
Pre-requisite		Knowledge about the types of accessories and trims used in garment	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. Educate about various types of trims and accessories used in apparels
2. Teach about the quality requirements

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Distinguish the types of accessories used in garment	K2
CO2	Differentiate the types of fibers used in making sewing and embroidery threads	K3
CO3	Assess the various types of closures used in apparels	K3
CO4	Learn about the various types of trims used	K3
CO5	List out the quality requirements for poly bag and carton box	K2

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

Unit: I Garment Accessories **12 hours**

Introduction to garment accessories – Selecting garment accessories- Types of garment accessories: Basic accessories - Decorative accessories - Finishing accessories –Accessories for children's wear - Design development for different accessories- Safety issues for different accessories in children's garment- small parts: choking hazards-Decorative trims and Embellishments.

Unit: II Sewing and Embroidery Threads **12 hours**

Sewing threads – Textile fibers used for making sewing threads – Thread Construction – Ticket Number – Quality parameters applicable to sewing threads and testing–Thread packages -Embroidery threads– Quality requirements – Fibers used for embroidery threads – Quality evaluation of embroidery threads.

Unit: III Closures **12 hours**

Zippers – Component parts –Types – Application techniques – Quality parameters and testing- Buttons– types – Quality requirements & testing procedures –Elastic – Application techniques – Types –

Quality requirements and testing procedures. Drawstrings – Method of application-Quality parameters – Velcro Method of application techniques – Quality parameters – Snap fastness–Types– Method of application. Quality parameters- Hooks – types– Methods of application –Quality Norms.

Unit: IV Supporting and Decorative Trims **12 hours**

Lining: Importance - Method of application – Quality requirements – Interlining: Importance – Types - Method of application – Quality requirements – Fusing foam: importance– Types– Method of application – Quality requirements – Label and its types – Method application on garment – Quality requirements –Lace – Importance and its types – Quality parameters – Methodof application – Appliqué: Importance –Types of materials– Applique cutting techniques– Application methods–Quality requirements. Sequins: Introduction about various sequins and their types – Application techniques–Quality requirements.

Unit: V Packing Accessories **12 hours**

Tags and its types –Quality requirements – Polybags and its types-Quality norms pertaining to polybags–Hangers and its types – Cartons and its types – Testing required for apparel export Cartons– Factors to be considered for export cartons – Wrappers and Tissues – Pouches for innerwear–Latest innovation in packing accessories.

Total Lecture hours -60 hours

Text Books

1. Fashion Apparel Accessories and Home Furnishings, Diamond Professor Emeritus, Jay; Diamond Adjunct Faculty, Ellen., PrenticeHall,2006.
2. Know Your Fashion Accessories, Celia Stall-Meadows, Tana Stuffle bean, Fairchild Books & Visuals, 2003

Reference Books

1. Carrand Latham‟s Technology of Clothing Manufacture, Edited by David J.Tyler, 2009
2. Apparel Manufacturing Handbook, Analysis, Principles and Practice, Jacob Solinger, Bobbin Media Corporation, 1988

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://ordnur.com/textile/list-of-trimmings-and-accessories-use-in-garments/
2. https://www.onlineclothingstudy.com/2018/10/the-fusing-technology-fusing-parameters.html
3. https://medium.com/@stitchdiary/importance-of-decorative-trims-in-the-garment-industry- 3b306e4b59ef

LOCF MAPPING

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

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

Course code		SURFACE EMBELLISHMENTS PRACTICAL	L	T	P	C
Skill Enhancement Course - 3			-	-	2	2
Pre-requisite		Knowledge in Fashion Sketching	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. Inherit embroidery skills by hand and machine
2. Appreciate the beauty and intricacies of the traditional embroideries of India
3. Enhance creativity by the application of smocking

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Create hand embroidery samples	K6
CO2	Create machine embroidered samples	K6
CO3	Develop samples using surface enrichment	K3
CO4	Design and develop samples for drawn thread embroidery, applique, quilting	K6
CO5	Create added structural effects using smocking	K6

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

1.Create Hand Embroidery Samples (10 stitches and 5 samples) 6 hours

- Outline stitches
- Filling stitches
- Loop stitches
- Cross stitches

2.Create Embroidery Samples Using Machine 6 hours

- Running stitch
- Satin Stitch
- Granite Stitch
- Cording
- Needle cording

3.Createthe Following Samples **6 hours**

- Bead work
- Sequin work
- Ribbon embroidery
- Mirror work
- Drawn thread work

4. Create Samples with Applique, Patch work and Quilt (any2types) **6 hours**

- Applique
- Simple / Geometric patch work
- Quilting

5.CreateSamples with Smocking **6 hours**

- French Smocking (any 3 types)
- Chinese Smocking

Total Lecture hours -30 hours

Text Books

- Shailaja D Naik, Traditional Embroideries of India, APH Publishing, 1996
- Megan Eckman, Everyday Embroidery for Modern Stitchers, C&T Publishing, 2020

Reference Books

- Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- https://sewguide.csom/smocking/
- https://www.youtube.com/watch?v=Ug2d1NUuE4A
- https://www.youtube.com/watch?v=uJ2SyeFA_B4
- https://www.youtube.com/watch?v=nJz9c8gEvFg

LOCF MAPPING

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

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

Course code		FIBER TO FABRIC PRACTICAL	L	T	P	C
Skill Enhancement Course - 4			-	-	2	2
Pre-requisite		Basic knowledge in textile science	Syllabus Version		2023-2024	

Course Objectives:

The main objectives of this course are to:

1. Identify the type of fibers.
2. Test the yarn count and fabric count.
3. Test the fabric for the following parameters–twist, course length, weight, shrinkage, colour fastness and absorbency

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

CO1	Distinguish the type of fiber by microscope, flame test and chemical tests	K1
CO2	Determine the count of the yarn and fabric	K3
CO3	Test the fabric for fabric weight and course length of the fabric	K2
CO4	Evaluate the color fastness and shrinkage of fabric	K5
CO5	Experiment the absorbency of fabric	K4

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

1.Identification of Textile fibers **10 hours**

- Microscopic Method
- Flame test.
- Chemical test

2. Testing of Yarn and Fibers **05 hours**

- Yarn Count using Wrap Reel
- Yarn Count using Besley’s Balance
- Twist of the Yarn

3.Testing of Fabric **15 hours**

- Fabric Weight
- Fabric Count by Ravelling Method
- Fabric Count with Pick Glass
- Course Length and Loop length of Knitted Fabric
- Colour Fastness to Washing
- Tests of Shrinkage
- Tests of Absorbency

Total Lecture hours -30 hours

Text Books

1. Textiles–Fibre to fabric, Corbmann B.P, International students edition, Mc Graw Hill. Book company, Singapore, 1985.
2. Textile fabrics and their Selection – Isabel Barnum Wingate, Published by Prentice-Hall,1964.

Reference Books

1. Identification of Textile Fibers 1st Edition by Max M.Houck, Woodhead Publishing in textiles, Cambridge, New delhi,2009.
2. Textile science, Gohi, CBS Publishers and Distributors, India, 2005.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://textilelearners.com/textile-fibers-identification-process/
2. https://www.textilesphere.com/2020/04/identification-of-textile-fibers.html

LOCF MAPPING

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

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