

B.SC., FASHION DESIGNING AND APPAREL

MAKING

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 unreached segments of economically downtrodden students including women, socially oppressed and differently abled.

VISION OF THE DEPARTMENT

The vision of our department is to skillful graduates through excellent training and to enhance production and designing in the field of fashion designing and apparel making thereby contributing for the development of the society

MISSION OF THE DEPARTMENT

The mission of our department is to provide leadership training, technical skills and knowledge to young graduates and turn them into successful professionals and entrepreneurs in the fashion and garment industry.

PREAMBLE

The present curriculum of B.Sc., Fashion Designing and Apparel Making 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 DESIGNING AND APPAREL MAKING

LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK GUIDELINES BASED REGULATIONS FOR UNDER GRADUATE PROGRAMME	
Programme	B.Sc. Fashion Designing and Apparel Designing
Programme Code:	
Duration:	3 Years (UG)
Programme Outcome:	<p>PO1: Disciplinary Knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate programme of study.</p> <p>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.</p> <p>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.</p> <p>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;</p>

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 them with 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, formulate hypotheses, test hypotheses, analyses, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and 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-awareness and reflexivity of both self and society.

PO10 Information/digital literacy: Capability to use ICT in a variety of learning situations, 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 appropriate resources required for a project, and manage a project through to completion.

PO 12 Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with

	<p>diverse groups.</p> <p>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.</p> <p>PO 14: Leadership readiness/qualities: Capability for mapping out the tasks of a 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 people to the right destination, in a smooth and efficient way.</p> <p>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.</p>
<p>Programme Specific Outcomes:</p>	<p>On successful completion of Bachelor of Costume Design and Fashion Design programme, the student should be able to:</p> <p>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.</p> <p>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.</p> <p>PSO3: Problem Solving: Employ theoretical concepts and critical</p>

	<p>reasoning ability with physical, mathematical and technical skills to solve problems, acquire data, analyze their physical significance and explore new design possibilities.</p> <p>PSO4: Analytical & Scientific Reasoning: Apply scientific methods, collect and analyses data, test hypotheses, evaluate evidence, apply statistical techniques and use computational models.</p> <p>PSO5: Research related skills: Formulate research questions, conduct literature reviews, design and execute research studies, communicate research findings and collaborate in research projects.</p> <p>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.</p>
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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 the final 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 problems and 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 narrow down 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	<p>Foundation Course</p> <p>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 through the literary lens gives rise to a new perspective.</p>	<p>Instill confidence among students.</p> <p>Create interest for the subject.</p>
I, II, III, IV	<p>Skill Enhancement papers (Discipline centric / Generic / Entrepreneurial)</p>	<p>Industry ready graduates.</p> <p>Skilled human resource.</p> <p>Students are equipped with essential skills to make them employable.</p>
		<p>Training on language and communication skills enable the student's gain.</p>
		<p>knowledge and exposure in the competitive world.</p>
III, IV, V and VI	<p>Elective Papers</p>	<p>Strengthening the domain knowledge</p> <p>Introducing the stakeholders to the State-of-Art techniques from the streams of multi-disciplinary, cross disciplinary and interdisciplinary nature</p> <p>Emerging topics in higher education/industry/ communication network / health sector etc. are introduced with hands-on-training.</p>
IV	<p>Elective Papers</p>	<p>Exposure to industry moulds students into solution providers.</p> <p>Generates Industry ready graduates.</p>

		Employment opportunities enhanced.
V	Elective Papers	Self-learning is enhanced. Application of the concept to real situation is 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, Professional Communication 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		2	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	2	2

	Specific)		
	Skill Enhancement Course -COURSE-7 (Discipline / Subject Specific)	2	2
	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 DESIGNING AND APPAREL MAKING
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. Apparel Merchandising c. Knitting	3	4	-	25	75	100
IV		Skill Enhancement Course - 1	Fashion Sketching (P)	2	-	2	40	60	100
IV		Skill Enhancement – 2 (Foundation Course)	Fashion Designing (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. Garment Accessories and Trims b. Basics of Cosmetology c. Apparel Costing and Documentation	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				

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		FIBER TO FABRIC	L	T	P	C
Core Course -1		Paper I	4	-	-	4
Prerequisite		Basic knowledge in textile science	Syllabus	2023-		
			Version	2024		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 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 of a 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 dantiyagi, Orient Longman Private limited, Fifth edition,1996.

Reference Books

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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

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:							
<ol style="list-style-type: none"> 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 and decorative design in dress.

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

Unit: 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 of Colour 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 – fashion leaders, 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

Designing 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, Iowa, 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.apparesearch.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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		APPAREL MERCHANDISING	L	T	P	C
Elective - 1 (b)			4	-	-	3
Pre-requisite		Basic knowledge in garment production processes	Syllabus		2023-	
			Version		2024	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Instruct about roles and responsibilities of merchandiser. 2. Describe planning and programming in execution of an order. 3. Describe about types of approvals to be given. 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the functions of merchandiser					K2
CO2	Do planning and programming					K3
CO3	Decide the types of approvals required and inspection procedures for a garment					K3
CO4	List out the documents to be prepared					K2
CO5	Gain knowledge on product promotion					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						

Unit: I Introduction to Merchandising

12 hours

Merchandising: Introduction, Meaning- Apparel Merchandising – Concept of “Six Rights” –Organization structure of an apparel industry – Classification of Exporters - Rating or Grading of export houses–Classification of buyers–Export merchandising and retail merchandising– Company profile and its contents. Types of merchandiser - Functions of a merchandiser – Essential requisites of a good merchandiser –Vendor sourcing, evaluation and development–Global sourcing–Vendor nomination by buyers–Reasons for vendor nomination.

Unit: II Planning and Programming

12 hours

Process flow in apparel industry – Buyer sourcing and communication – Enquiry– order confirmation –order review and its importance–Planning and programming: Master planning, Scheduling or route card – Factors for route card-programming for yarn, knitting, dyeing,

stitching, sampling, accessories – Samples: Meaning & importance – Types of samples– Expedition of samples.

Unit: III Approval and Inspection

12 hours

Check points before cutting – Pilot run or trial run and its importance – Approvals – Types of approvals –Shipping marks – Final inspection procedures – Self, Second and Third-party inspection - Effective expedition procedures.

Unit: IV Order Sheet and Documentation

12 hours

Order sheet and its contents – Packing list and its contents–Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types. Documents recording and maintenance – Claims and reasons for claims – Factory audits – Buyer’s code of conducts.

Unit: V Product Promotion

12 hours

Advertising - scope, importance, types, merits and demerits; sales promotion, personal selling. Retail management. Export associations – Apparel Export Promotion Council–Journals and magazines related to apparel and textiles – Trade shows and Fairs – Participation in trade shows – Advantages of tradeshows and fairs –Apparel and Textile Tradeshows and fairs in India.

Total Lecture hours: 60 hours

Text Books

1. Apparel Merchandising, Jerry A and Rosenau, Fair child Publications, London, 2014
2. Apparel Merchandising, An integrated Approach, Krishna kumar, M, Abishek Publications, 2010

Reference Books:

1. Apparel Merchandising, Robin Mathew, Book Enclave Publishers, Jaipur, 2008.
2. Building Buyer Relationships, Daragh O-Reilly & Julian J Gibas, Mac Millan India Ltd, 1999
3. Fashion merchandising an introduction, Elaine Stone & Jean A. Samples, New York: Gregg Division, McGraw-Hill, 1985.

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

1. <https://www.fibre2fashion.com/industry-article/5743/merchandising-in-an-apparel-industry>
2. <https://www.onlineclothingstudy.com/2011/12/functions-of-production-planning-and.html>
3. <http://texhour.com>
4. <https://www.feedough.com/what-is-advertising-advertising-objectives-examples-importance/>

LOCF MAPPING

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

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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		KNITTING	L	T	P	C
Elective - 1 (c)			4	-	-	3
Pre-requisite		Basic knowledge about Business	Syllabus	2023-2024		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Familiarize with the basics of knitting process 2. Impart knowledge on the warp and weft knitting techniques 3. To know the recent trends and technologies adopted in the industry 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the basics knitting process and the functions of a knitting machine					K2
CO2	Discover the weft knitting process and machineries used					K3
CO3	Discover the warp knitting process and machineries used					K3
CO4	Appraise the recent technology in the knitting industry					K5
CO5	Articulate the significant role played by the knitting industry locally and nationally					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						

Unit: I Knitting Overview

12 hours

Knitting – Definition, classification and history, characteristics of knitted goods. General terms and principles of knitting technology, machine knitting, parts of machine, knitted loop structure, stitch density.

Unit: II Principles of Weft Knitting Technology

12 hours

Weft knitting – classification – circular rib knitting machine, purl, interlock, jacquard-single Jersey machine – basic knitting elements-types and functions – knitting cycle, CAM – system-3-waytechnique to develop design-knit, tuck, miss-effect of stitches on fabric properties.

Unit: III Principles of Warp Knitting Technology

12 hours

Warp knitting - lapping variations-tricot, raschel, simplex and Milanese - kitten raschel

– single bar, 2 bar, multi bar machines. Types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics.

Unit: IV Seamless Knitting and Knitting Care

12 hours

Seamless Knitting – Applications, advantages, and limitations. Care and maintenance of knitted material - washing, drying, ironing, storing. Common defects that occur in knitted fabric production.

Unit: V Knitting Industry and Market

12 hours

Knitting Industry in India – growth and development. Significance of knitwear industry in Tirupur. Knitwear market– Present and future trends. Dyeing of Knit Fabric.

Total Lecture hours: 60 hours

Text Books

1. Knitting Manufacture Technology - Anbumani, New Age International, Chennai,2006
2. Knitting and Apparel Technology, S.S.M.I.TCo-operativeSociety.2005

Reference Books

1. Knitting Technology, DB Ajgaonker, Universal Publishing Corporation, 1998
2. Warp knit fabric construction: from stitch formation to stitch construction, Wilkens, C., Heusenstamm, Germany: U.Wilkens Verlag, 1995.
3. Flat Knitting, Meisenbach Bamberg, Samuel.R, Germany, 1991

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

1. <https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html>
2. <https://www.indiaretailing.com/2018/06/12/fashion/indian-knitwear-market-present-and-the-future-trends/>
3. <https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry>
4. <https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology>
5. <https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html>

LOCF MAPPING

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

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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

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 and Presentation, 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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

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 York Wardrobe, 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, Iowa, 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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		BASICS OF GARMENT CONSTRUCTION	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, common pattern 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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		BASICS OF GARMENT CONSTRUCTION PRACTICAL	L	T	P	C
Core Course - 4			-	-	5	5
Pre-requisite		Basic knowledge in garment construction	Syllabus Version		2023- 2024	
Course Objectives:						
The main objectives of this course are to create:						
<ol style="list-style-type: none"> 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

- Pocket–Patch pocket, side seam pocket, bound and faced pocket

2. Prepare Miniature Samples for the following

40 hours

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

Total Lecture hours -75 hours

Text Books

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

Reference Books

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

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

- <https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html>
- <https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html>
- <https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making>
- <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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		GARMENT ACCESSORIES AND TRIMS	L	T	P	C
Elective - 2 (a)			4	-	-	3
Pre-requisite	Knowledge about the types of accessories and trims used in gment		Syllabus Version	2023-2024		
Course Objectives:						
The main objectives of this course are to: Educate about various types of trims and accessories used in apparels 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 – Method of 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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Course code		BASICS OF COSMETOLOGY	L	T	P	C
Elective - 2 (b)			4	-	-	3
Pre-requisite		Basic knowledge about personal care	Syllabus Version	2023-2024		
Course Objectives:						
<ol style="list-style-type: none"> 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-step procedure 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, Mehendi- 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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

Coursecode		APPAREL COSTING AND DOCUMENTATION	L	T	P	C
Elective – 2 (c)			4	-	-	3
Pre-requisite		Basics knowledge on garment manufacturing process	Syllabus Version	2023-2024		
Course Objectives:						
The main objectives of this course are to:						
1. To know about the production process in detail in a factory.						
2. To understand the technical calculations of production and its measures.						
To plan, balance and control production process.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the elements of cost, costing procedure and INCO terms					K2
CO2	Analyse finished fabric cost					K4
CO3	Apply arriving factory cost for various garment styles					K3
CO4	Learn about the export procedure and documents to be prepared					K2
CO5	Gain knowledge of customs procedure					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						

Unit: I Plant Location and Layout

12 hours

Introduction to costing – types of costs – Elements of cost. Prime cost – work cost – cost of Production – total cost. INCO terms and its relationship with costing.

Unit: II Process Costing

12 hours

Cost estimation of yarn, knitted fabric, dyeing, printing and finishing. Woven Fabric Costing: fabric types, yarn consumption, weaving price Cost estimation for cutting, stitching, checking, packing, forwarding, shipping, and insurance.

Unit: III Product Costing

12 hours

Estimation of factory cost for Woven and Knitted- vest, briefs, shorts, t-shirts, pajamas, Children’s wear, ladies wear, Woven Shirt, Woven Tops and Bottom. Various factors to be considered in costing for domestic products and international products.

Unit: IV Documentation

12 hours

Procedure to start an export firm - Sales contract and its check list. Export Procedure - Pre-Shipment and Post Shipment Credit - Payment Terms - Logistic Management. Need for Documents–Invoice – Certificate of Origin-L/C, Shipping Bill – Bills of Exchange-Bill of

Lading – GR Form - Packing List- Duty Draw Back–Export License-Marine Insurance Policy.

Unit: V Customs, Meaning and Types

12 hours

Customs - Meaning, Definition, Types. Exercise and Customs, Clearance of Export Cargo–Shipment of Goods and Port Procedures – Claiming Duty Draw Backs and Other Benefits.

Total Lecture hours: 60 hours

Text Books

1. Apparel Costing, A functional Approach – Krishnakumar, M, Abishek Publications, Chandigarh, 2012.
2. Evaluation of Apparel Quality, Anitha A.Stamper,Fair child Fashion Group,1991.

Reference Books

1. Apparel Merchandising, Jeremy Rosenau, Fair child Publications, 2001.

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

1. <https://www.incotermsexplained.com/the-incoterms-rules/the-eleven-rules-in-brief/cost-freight/>
2. <https://www.onlineclothingstudy.com/2015/10/product-and-process-costing-in-garment.html>

LOCF MAPPING

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

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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

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:						
<ol style="list-style-type: none"> 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.Create the Following Samples **6 hours**

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

4. Create Samples with Applique, Patch work and Quilt (any 2 types) **6 hours**

- Applique
- Simple / Geometric patch work
- Quilting

5.Create Samples 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

B.Sc., Fashion Designing and Apparel Making 2023-2024 onwards – MSU- Affiliated Colleges

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: <ol style="list-style-type: none"> 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

