

SNDT Women's University

P. G. Department of Textile Science and Apparel Design

Name of Programme: Master of Textile Science and Apparel Design (M Sc.)

Program Outcomes

PO1: Knowledge base about Textile Science and Apparel Design

- Apply knowledge of historical background, production and evaluation, management, marketing, and consumption, cultural, social, and psychological aspects of textile and apparel products to solve textile and apparel related problems.

PO2: Problem Analysis and Solution

- Identify and analyse a problem and their constituent parts critically.
- Amalgamate information from appropriate sources to form a deeper understanding of a problem and its relation to issues in field of Textile and Apparel.
- Find out multiple perspectives and potential solutions
- Draw conclusions from the information, evidence and analysis of data and recommend appropriate solution to a given problem

PO3 Professional development

- Understand the ethical principles of one's profession and display high standards of integrity in professional settings in the textiles and apparel.
- Practice systematic self-assessment and motivating forces of one's own behavior and perceptions
- Practice continued learning to develop an appropriate career path

PO4: Communication

- Write appropriately and effectively using textile and apparel specific terminology and for appropriate professional audiences
- In formal and informal professional settings speak and listen effectively.
- Be able to communicate a concept clearly using technology, appropriate technical words and knowledge.

PO5: Personal development

- Develop a responsibility of social, environmental, economic etc aspects.
- Awareness of the diverse global community and ecology .

PO7: Skill development

- Independently research, evaluate, and analyze.
- Think critically and interpret information to produce appropriate result for problem solving.

- Apply comprehensive textile design skills to develop innovative products.
- Develop skills for achieving professional excellence in the field of Textile and Fashion

Program Specific Outcomes

The Master of Textile Science and Apparel Design Programme will prepare its graduates to achieve:

PSO1. Analyse the relationships among Textiles, apparels and environment

PSO2. Understand the applications of Textile and Apparel related knowledge practically on ground level and to bridge gap between ground level workers and technical aspects and knowledge.

Course Outcomes

M.Sc. TSAD Semester I

No	Course No.	Course	Course Outcome
1	21101	Garment Design & Construction (Pr)	CO1 Design and develop draft patterns for different garments based on body measurements and adaptations. CO2 handling different fabrics, embellishments and quality of finishing of garments. CO3 Understand quality control and commercial process used in Apparel Industry
2	21102	Chemical Processing of Textiles (Th)	CO1 Classify natural and synthetic fibers and their physical and chemical properties CO2 Describe pretreatment of Textiles CO3 Describe colouration of Textiles CO4 Write Finishing of Textiles CO5 Classification of auxiliary chemicals used in textile processing CO6: Give introduction to equipment and machineries used in Processing CO7 Describe environmental aspect of Textile processing
3	21103	Chemical Processing of Textiles (Pr)	CO1 Identification of fibers CO2 Dyeing of cotton, wool, silk, acrylic, polyester, nylon with synthetic and natural dyes CO3 Direct printing on cotton with reactive and pigment and nylon with acid dye CO4 Resist and discharge style of printing CO5 Application of starch and resin on cotton and its testing

4	21104	Quality Control for Textile & Apparel Fabric(Th) (Pr)	CO1 Describe importance of textile fibers and standard test methods CO2 Testing of fiber dimensions CO3 Testing of yarn dimensions CO4 Testing and evaluation of fabric and garment CO5 check wear and comfort of clothing CO6 Asses dimensional stability of Textiles
5	21105	Pattern Making & Grading (Pr)	CO1 Pattern making and grading for children, women and men CO2 Development of basic bodice block for children, women and men and converting them to master block CO3 Develop pattern envelop and guide sheet CO4 Grading the master blocks to various sizes using vector method
6	21106	Global Costumes – retrospect & prospect (Th)	CO1 Describe History of Fashion from 18 th Century till date CO2 Importance of textiles in historical perspective CO3 Write and design Indian tradition costume CO4 Couture from 18 th century till date CO5 Describe changes happened in clothing style from 3000 BC till 21 st century

M.Sc. TSAD Semester II

7	00201	Research Methodology (Th) (U)	CO1 Steps in Research Process and Elements of Research CO2 Types of research CO3 Describe Sampling CO4 Tools for data collection
8	21202	Fabric Structures & Fabric Analysis (Th) (Pr) (U)	CO1 Describe cloth calculation CO2 Elements of cloth structure CO3 Elementary and other weaves CO4 Simple colour and weave effect CO5 Compound colour and weave effect CO6 Analysis of different woven samples
9	21203	Fashion Illustration & Forecasting (Pr) (C)	CO1 Sketching of different action croqui CO2 Basic Rendering Techniques CO3 Sketching of Garments and Garments Details CO4 Sketching of Accessories CO5 Develop a mood board and colour board and design a line based on fashion forecast CO6 Developing line based on the fabric and theme
10	21204	Garment Design through Draping (Pr) (C)	CO1 Draping of foundation on dress form: basic bodice, basic skirt and basic sleeve CO2 Dart variations, tucks, pleats and gathers CO3 Neckline, bodice yolk and waist line variations CO4 Princes lines, cowels and its variations CO5 Variations of skirts, collars and sleeves
11	21205	Apparel	CO1 Describe functions Of Fashion Merchandising & Marketing

		Merchandising (Th) (U)	CO2 Visual merchandising & store image CO3 Apparel Production & quality management CO4 Fashion Buying role of fashion buyer CO5 Production, Planning & Control CO6 Definition Of cost & other common terms
12	21292	* Elective I (Home Textile) (Th) (C)	CO1 Different types of fabrics used for table linen. CO2 Towels: Manufacturing, types, material, sizes available, types as per different factors affecting selection and cost. CO3 Bed Linen: selection, use and care, types, fabrics used, market information, factors governing selection durability, serviceability, comfort, maintenance and cost. CO4 Floor coverings: selection, use and care, types, fabrics used, market information, factors governing selection durability, serviceability, comfort, maintenance and cost. CO5 Curtains & Draperies: types of curtains, methods of hanging, selection with reference to the uses and sizes of rooms, selection of fabric, use and care
M.Sc. TSAD Semester III			
13	00301	Research and Statistical Applications (Th) (Pr)	CO1 Describe statistics, normal distribution and its properties and Data Management CO2 Data Analysis: quantitative analysis, measures of central tendency, measures of dispersion, coefficient of variation, Grouped data, large and Small Sample test CO3 Chi square test and its interpretation CO4 Presentation of Data CO5 Preparation of a Research Proposal
14	21302	Knitting Technology (Th) (U)	CO1 Describe knitting, development of knitting from hand knitting to machine knitting and further development, Indian knitting industry, knitting technology CO2 Weft knitting and warp knitting CO3 Explain knitted structures, electronics in knitting CO4 Fashion knit garments, analysis of knitted fabrics
15	21303	Garment Production Technology (Th) (C)	CO1 Describe oorganizational Structure and various departments of a Garment Factory CO2 Manufacturing technology CO3 Use of components and trims CO4 Alternative method of joining materials CO5 Quality Control: principles, quality from design to dispatch, total quality control
16	21304	Garment Production Technology (Pr) (C)	CO1 Field visit to an export house, garment manufacturing unit, warehousing, retail mall & presentation of the report.

17	21305	Technical Textiles (Th) (U)	CO1 Describe technical Textiles, technical yarn and technical fabric structure CO2 Textile Reinforced, composite material CO3 Finishing and coating of technical textiles CO4 Application of technical textiles
18	21392	Soft Skill Development (Th)	CO1 Describe effective Communication skills CO2 Describe image building CO3 Enhancing Employability CO4 Application of decision Making CO5 Steps towards making an effective decision
M.Sc. TSAD Semester IV			
19	00401	Dissertation (Pr)	CO1 To find out research problem, prepare research proposal, do research to find solution and breach to result and conclusion
20	00402	Internship (Pr)	CO1 practical in house experience of textile and apparel industry
21	21403	Recent Advances in Textile Science & Apparel Design (Seminar) (Th)	CO1 Presentation at a Seminar: Public speaking skills, Presentation ideas, language skills, PPT, contact with audience, attitude, confidence, self image
22	21404	Project Work (Pr)	CO1 Projects : window Display, technical Textiles, colour & weave effect CO2 Practical entrepreneurship skill