



KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE - 638 107

DEPARTMENT OF BUSINESS ADMINISTRATION (CA)

VALUE ADDED COURSE - SYLLABUS

20VBBTM - TEXTILE MERCHANDISING

PAPER I - TEXTILE SCIENCE

Course Objective: To enable the students to understand the field of textile like fibres, yarn, fabrics, sizing and quality control.

UNIT I	4 Hours
Introduction to field of textiles, classification of fibers - Natural and chemical - Primary and secondary characteristics of textile fibers. Identification of textile fibers - Manufacturing process - Properties and uses of natural fibers and manmade fibers.	
UNIT II	4 Hours
Spinning, definition, classification - Chemical and mechanical spinning - Short staple spinning. Yarn - definition, Classification - Simple and fancy yarns, Sewing thread and its classification. Woven - basic weaves - Fancy weaves - Weaving technology - Process sequences - Machinery details - Non-woven fabrics.	
UNIT III	4 Hours
Introduction - Knitting - Loop structure - Mechanical elements of weft knitting: Needles - Sinker - Jacks - Cams- Cylinder - Feeder and Take up - Their function and operation. Warp knitting and weft knitting, Comparison of warp and weft knitting, machineries and mechanisms. Warp knitting machines - Types.	
UNIT IV	4 Hours
Functional finishes - Sizing, de-sizing, singeing, mercerizing, scouring, bleaching, dyeing - Different types of dyes - Methods of dyeing - Printing - Print types - Methods of printing - Tie & Dye. Aesthetic finish.	
UNIT V	4 Hours
Introduction to textile testing and quality control humidity - Wet and dry bulb hygrometer, moisture regain - Moisture content - Conditioning oven. Fiber tests - Yarn tests - Yarn strength - Knitted fabric - Loop length - Course length - Course/inch, wales/inch - GSM - testing of color fastness washing rubbing, perspiration, dry cleaning bleaching.	
Total Hours	20 Hours


Reference Books

1. Textiles- Fiber to fabric Corbman B.P. International Students edition McGraw Hill Book Co. Singapore.
2. Fabric Science 5th Edition-Joseph J. Pretel - Fair Child Publications New York [1990]
3. Textiles. Ninth Edition - Sara.J.Kadolph.

Course Outcome: On Completion of this course the students will be able to

- Understand the classification of fibers and manufacturing fibers.
- Learn the yarn counts, process sequences, woven and non-woven fabric.
- Classify the knitting, fabric and calculation method.
- Distinguish sizing, singeing, mercerizing, scouring, bleaching and dyeing.
- Acquire knowledge in testing and quality control.




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20VBBTM - TEXTILE MERCHANDISING

PAPER II - APPAREL MERCHANDISING

Course Objective: To enable the students to understand the merchandising functions, costing, estimating and export procedures.

UNIT I		4 Hours
Merchandising - Functions of merchandiser - Programming accessories arrangement - Approvals - Pattern approvals - Size set approvals - Pre production follow up - Buyer communication - Reporting - Record maintenance.		
UNIT II		4 Hours
Estimating, aims of estimating - Costing, aims of costing - Difference between estimating and costing - Types of estimates. Elements of cost - Material cost - Labor cost, different types of expenses - Cost of product - Advertisement cost.		
UNIT III		4 Hours
Material cost - Cost of yarn, Cost of fabric production, Cost of processing width of fabric and design affecting cost - Lot size, and cost of components - Cutting cost - Making and trim cost [CMT cost]. Programming - Fabric consumption calculation - Scheduling - Concepts of scheduling - Types of Scheduling.		
UNIT IV		4 Hours
Learn fitting and construction in the industry. Seam types - Introducing fullness - Pleats - Gathers - Tucks - Seam Finishes - Hem types.		
UNIT V		4 Hours
Export procedures - Import/Export documentation - FOB, C&F, CIF - Shipping mark - Certificate of origin - Letter of credit - Bill of lading - Export license - Packing list - Commercial invoice.		
Total Hours		20 Hours

Reference Books

1. Laing, R.M and Webster, J. Stitches and Seams, The Textile Institute, Manchester, 1998.
2. Glock R.E. and Kunz G.I., Apparel manufacturing; Sewn Product Analysis, Prentice Hall, 1995.
3. Mehta P.V. An Introduction to Quality Control for the Apparel Industry, Marcel Dekker, 1992.

Course Outcome: On Completion of this course the students will be able to

- Understand the merchandiser roles and approvals.
- Learn the methods of estimating and costing.
- Classify the costs and scheduling.
- Distinguish finishes, tucks and tucks.
- Acquire knowledge in export procedures.



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