

4504 – INTRODUCTION TO GARMENT MANUFACTURE									
Teaching Schedule Per Week			Progressive Assessment		Examination Schedule (Marks)				
Lectures	Practical	Credit			Theory		Practical Ex.	Total	
4	-	4	-	25	3 Hrs	100	-		125
Pre-requisite		Source	Semester	Theory	Test	Total	TW	PR	Gr Total
NIL		GAT		75	25	100	-	-	100

Rationale- The course aims at familiarizing students with the garment industry and it's functioning.

COURSE CONTENTS		Hrs	Mks
1. CLASSIFICATION OF GARMENTS		6	16
Classification into knitwear and woven, their advantages and disadvantages over each other. Ready to wear garments; Readymade garments; Made to order garments.			
2. INTRODUCTION TO GARMENT FACTORY		22	32
Woven and knitwear factory layouts which would include design department, marketing dept., finance dept., purchase dept., production dept. (again subdivided into cutting, stitching, finishing and stores) and operative departments. Manpower required in these departments and respective machinery.			

3. MANUFACTURING SYSTEMS	14	32
Production in piece work and batch system. Advantages and disadvantages. Production in small scale and large-scale firms- advantages and disadvantages. Layout of a line in a batch system for a particular garment along with tailors and helpers required per batch. Production run of staple, semi-styled, styled and fashions products. Time and motion studies.		
4. MATERIALS AND PRE-PRODUCTION	8	4
Production planning, list of materials required, purchases of all raw materials and their checking. Follow up from design to dispatch for timely deliveries.		
5. SPREADING, CUTTING AND STITCHING	14	16
Cutting principles, spreading cloth by hand, machine or computerized, cutting by various knives-advantages and disadvantages of each. Bundling, ticketing, drawing and reproduction of markers, sewing problems and rectification. Methods of cutting and stitching at mechanized workplaces using straight-line belt conveyors or SATRA conveyor systems.		
Total	64	100

Notes- Field trips will be organized to suitable industries.

REFERENCE BOOKS

1. Introduction to Garment Manufacture by Gary Cooklin, Blackwell Science
2. Introduction to Clothing Production by A.J. Chuter, Blackwell Science

