

Maharashtra State Board of Vocational Examination, Mumbai 400 051

1	Name of Course	Diploma Course in Fashion Merchandising & Production									
2	Course code	410407									
3	Max no. of Students	25 Students									
4	Duration	2 year									
5	Course Type	Full Time									
6	No. of Days per week	6 days									
7	No. of hours per day	7 Hrs									
8	Space require	Theory Class Room – 200 sqft Practical Lab – 1500 sqft Total – 1700 sqft									
9	Entry qualification	S.S.C. Pass									
10	Objective of syllabus	Today with the fast growing competitive world of fashion, the need of a merchandisers in a garment industry Is also increased. This course is especially designed to fulfill that requirement of the fashion world & after completion of the course the students will get a job for sure.									
11	Employment opportunities	After completing a course can be work as a Fashion Merchandises, Asst. Merchandiser, Production Head, Production Manager, Visual Merchandiser in a Garment Manufacturing Industry.									
12	Teachers Qualification	1) For Vocational subject - Degree in Fashion Designing & Garment Manufacturing. 2) For Non Vocational Subject – Master Degree in Concerned Subject.									
13	Teaching Scheme –										
	Sr.	Subject	Subject Code	Clock Hours / Week				Total			
				Theory	Practical						
	1	English (Communication Skill)	90000001	2 Hrs	1 Hrs			3 Hrs			
	2	Elective – I	--	2 Hrs	1 Hrs			3 Hrs			
	3	Elective – II	--	2 Hrs	1 Hrs			3 Hrs			
	4	Paper Pattern Making	410400001	3 Hrs	8 Hrs			11 Hrs			
	5	Garment Making	410400002	3 Hrs	8 Hrs			11 Hrs			
	6	Fashion Merchandising & Production	410400011	3 Hrs	8 Hrs			11 Hrs			
	Total								42 Hrs		
14	Internship	Two Month Summer Internship from 1 st May to 30 th June is Compulsory.									
15	Examination Scheme – Final Examination will be based on syllabus of both years.										
	Paper	Subject	Subject Code	Theory			Practical			Total	
				Duration	Max	Min	Duration	Max	Min	Max	Min
	1	English (Commu- nication Skill)	90000001	3 Hrs	70	25	3 Hrs	30	15	100	40
	2	Elective – I	--	3 Hrs	70	25	3 Hrs	30	15	100	40
	3	Elective – II	--	3 Hrs	70	25	3 Hrs	30	15	100	40
	4	Paper Pattern Making	410400001	3 Hrs	100	35	3 Hrs	100	50	200	85
	5	Garment Making	410400002	3 Hrs	100	35	3 Hrs	100	50	200	85
	6	Fashion Merchandising & Production	410400011	3 Hrs	100	35	3 Hrs	100	50	200	85
	Total									900	375
16	Teachers – Three Teachers per batch for vocational component. For English, Elective-I & II guest faculty on clock hour basis.										
17	<div><div>a) For Elective I – Student can choose any one subject Code Subject Name 90000011 Applied Mathematics 90000012 Business Economics 90000013 Physical Biology (Botany & Zoology) 90000014 Entrepreneurship 90000015 Psychology</div><div>b) For Elective II – Student can choose any one subject Code Subject Name 90000021 Applied Sciences (Physics & Chemistry) 90000022 Computer Application 90000023 Business Mathematics</div></div>										

Subject Name – Paper Pattern Making – 1st year
(Subject Code – 41040001)

	Theory		Practical
1)	a) Introduction to standard measurements b) Measurement Charts c) Various methods of taking measurements (direct, indirect, landmarks). d) Classification of measurements - Circumference, Horizontal and Vertical measurements.	1)	Methods of taking body measurements. - Land marks & taking anthropometrics measurement - Measurements from Garments.
2)	Methods of developing a pattern 1) Flat pattern 2) Draping	2)	Practice of using squares and scales, French curve for arm hole, necklines et. Practice of using other equipments.
3)	Tools & equipments used for Pattern Making. Scissors, measuring tapes, pins & pin holders, measuring tapes, markers, French Curves Scales, leg-shapes, notchers, tracing wheel etc.	3)	1) Drawing of child's panty 2) Bloomen 3) Childs bodice block & sleeve block, 4) child's skirt block.
4)	Style interpretation. 1) How it is done? 2) Benefits of Style Interpretation 3) Style Interpretation	4)	Style interpretation of any given design.
5)	Terminology used for pattern Making, Pattern Drafting, Flat Pattern Making, Basic Pattern Set, templates, Working Pattern, Production Pattern, Design Specification sheet, Pattern Chart, Cast Sheet, Grain, Warp, Weft, Selvedge, bias, true bias, apex, dart, dart legs, dart intake, tracing and blending, plump line, vertical, horizontal & perpendicular lines, symmetrical and asymmetrical lines, style na pattern size, pivotal point, pattern manipulation	5)	Adaptation of child's bodice to-yokes, bodies length.
6)	Principles of Pattern making – manipulation addition continous.	6)	Adaptation of basic sleeve to Balloon sleeve, Flared sleeve, puff sleeve, cap sleeve, Magyar sleeve, petal sleeve, Leg-o-mutton sleeve.
7)	Pattern details – collars, sleeves, Yokes – functional & decorative Princess line & Empire line, Pockets.	7)	Draging & adaption of various collars. 1) Body Collar 2) 2) PeterPan Collar – Flat & Raised.

			3) Cape collar, Sailors collar, Convertible collar.
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8)	Pattern Styles – Skirt terminology categorization of skirts on the basis of length and flare and their variations.	8)	Preparation of various types of packet (extended mock, 2 piece etc) Preparation of neckline variations (round, square cowl, v-shape, ruffle, sweet heart, boat)
9)	Study of the basic figure type, figures defects and developing pattern for them.	9)	Preparation of various types of pockets (patch, bello, welt, bound, set in) Preparation of various types of sleeves, (Plain, Puff, Flared, belt, cap, Magyar)
10)	Study of different types of pockets (extended mock, 2 piece etc.) Study of neckline variation round, square, cowl, v-shape, ruffle sweet heart, boat.	10)	Practice of attachment of zipper (Concealed open ended, lapped, centered).
11)	Types of pockets (Patch, bello, welt, bound set in), Types of sleeves (Plain, Puff, Flared, bell, cap, mogyar) Types of Fastens – Zippers.		

Subject Name – Paper Pattern Making – 2nd year
(Subject Code – 41040001)

	Theory		Practical
1)	Introduction to the layout laying out the pattern pieces, marking & trasferzing the pattern details, cutting.	1)	Planning layouts. Placing of draft paper patterns.
2)	Methods of Marker making 1) Manually 2) 2) Machine (Computer Aided Pattern Making)	2)	Planning layouts for various widths & special fabric (e.g. Rlaid, piles and unidirectional fabrics
3)	Grading – what is Grading Different methods of grading Grading the patterns in various sizes, uses of grading & its importance.	3)	Grading of various patterns in three different sizes with different methods.
4)	Dart manipulation Methods of dart Manipulation – slash & spread method, pivot method. Importance of dart manipulation body defects remedies of dart manipulation.	4)	Dart manipulation into 1) Single dart series 2) Two dart series 3) Multiple Dart series 4) Single lines – Princess & empire 5) Yokes
5)	Pants - Terinology - Categorization of pants of the basis of lengths & fit and their variations.	5)	Addition of fullness through - Conversion & relocation of darts. - Additional fullness.
6)	Knowledge of different types of jackets. Knowledge of different types of coats.	6)	Drafting of adults bodice block and sleeve. Drafting of adults shirt block by adaption of basic body block. Drafting of Gents trouser.
7)	Knowledge of different of sleevesw, collars, cuffs, skirts, tops & blouses.	7)	Drafting of Gents Suit Single breasted / double brested.
8)	Different types of paper Pattern	8)	Construction of lady’ salwar kameez, kalidar kurta, churidar, pyjama Construction of lady’s saree blouse. Construction of lady’s lehnga choli. Construction of Gents Nehru Kurta
9)	Terms used for Paper Pattern Making in the Fashion Industry.	9)	Construction of party frock Construction of Jump suit. Construction of boys shorts Construction of skirt & tops.

List of Materials Required (Tools / Equipments)

- 1) Wooden Scale
- 2) Measuring Tape
- 3) Ruler (Steel / Wooden)
- 4) Cutting Seizers
- 5) Tailor Square Plastic
- 6) Leg shaper plastic
- 7) Hip Carve Plastic
- 8) Arm Hole French Curve big plastic
- 9) Pattern Punch
- 10) Pattern Notcher
- 11) Pattern Hanging Hook
- 12) Pattern Hanging Stand
- 13) Tailoring Chalk
- 14) Brown Paper
- 15) L-square (Wooden / Plastic)

Refernces :

- 1) Armstrong Joseph Helen, "Pattern making for Fashion design"
- 2) Hill house & Mansfield, "Dress Design Draping & Flat pattern Making." Houghton Miffic Company, 1975.
- 3) Martin M. Shoben "Pattern Cutting Making Up" CBS Publishers, New Delhi.
- 4) Goulbourn Margartha "Introducing Pattern Cutting, grading & Modeling: Bastsford Pub. U.K.
- 5) Pattern Design for Haute Couture, Volume 1.

(Subject Code – 41040002)

Subject Name : Garment Making - 1 st Year

	Theory		Practical
1)	Tools & equipment used in making, stitching, cutting & finishing.	1)	Introduction & knowledge about tool & equipments used for drafting cutting & stitching.
2)	Machines types used for stitching machine parts, attachments, different machines used for finishing, trimming, button, buttonhole, elastic attaching, fusing , collar & cuff turning, embroidery, Zigzag etc. Lock stitch machine, chain stitch machine over lock machine , double needle lockstitch machine bar tracking machine, flat lock machine	2)	Assembling & dismantling of a hand operated sewing machine.
3)	Care & maintains of machine, regulars clean up, Oiling etc. Types of lubricating oil used maintaince schedule, fees lubricating the machine.	3)	Operating of various components of machine with respect to various operation.
4)	Common defect of sewing machine & its rectification.	4)	Size charts fecteral stitch standards. various stitch types as per international standards class 100, 300, 500, 600
5)	General purpose of stitching machines working of sewing machine hand & electric operated machine components functions.	5)	Various types of stitches in the garment, fusing & pressing of Garment.
6)	Fusing & pressing equipments.	6)	Visit to a garment industry to get the knowledge of machine set up, various types of machines in the industry & submit a report.
7)	Importance of taking accurate body Measurements, locating proper measuring points for children Women & Men.	7)	Construction of baby Zabala types of with to yoke. Construction drafting stitching of baby Zabala. Type 2 with yoke 8 flax.
8)	Sewing thread on embroidery threads their number sizes & uses according to the niddle & Cloth.	8)	Construction of drafting & Stitching of party frock, Frills, A Line Umbrella.

9)	Preparation of fabric shrekage, Straighting ironing.	9)	Construction, drafting & stitching of Jumpsuit.
10)	Placing , marking, cutting & handling of various types of materials.	10)	Construction, drafting & stitching of boys shorts.
11)	Selection of trimmings supporting fabric (Lining, interring) & fastener.	11)	Construction & stitching of a night suit (II year)
12)	Estimating the fabric & accessories on the basic of body measurements.	12)	Construction & stitching of skirt & top.
13)	Knowledge of various fastness press button, hooks & eyes eyelets buckles, button, Button holes Zippers Valero tape.	13)	a) Making samples of basic stitches basting stitch, Back stitch Blanket stitch button hole hemming, slip stitch whipping, Lock Stitch. b) Decorative stitches – lazy dazy chain, stain stitch, tarring bone feather long & shut patch work mirror work cross stitch & Beading French knit. Various seams & sean finisher plan seam, counter hen sean lapped sean, run & fell sean.
		14)	Miner defects in the garments & their remediates.
		15)	Making small samples & preparation of various types of plackets, necklines, pockets sleeve & zipper attachment.

Note :- All practical to be concerned in the fill along with procedures analysis & samples

Subject Name :- Garment Making (IInd Year)

	Theory		Practical
1.	Knowledge of various types of skirts, shirts, tops, blouses.	1.	Hooks & eyes, Eyelets buckles button, buttonholes, zippers & Velero tape.
2.	Knowledge of various types of coats, jackets, trousers.	2.	Plackets one Piece & two piece packet opening.
3.	Knowledge of various types of collars, cuffs , necklines sleeves.	3.	Disposal of fullness-pleats knife, box laverted packets tucks, pin shells Gather smoking, shirring, fills & raffle.
4.	Fibers- introduction to textiles fiber, classification & description of various textile fibers (natural, manmade & synthetic) physical & chemical properties for identification use and care.	4.	Design & Stitch any one type of skirt & blouse.
5.	Yarn- types of yarns- simple noveltte & textured yarns.	5.	Design & stitch anyone type to coat.
6.	Weaves – introduction to different types of weaves.	6.	Design & stitch top using cuff, collar & sleeve of your choice.
7.	Dyes- Introduction to dyes classification of dyes as per their application. Natural, Diesel Acidic basic sulpher Indigos of soluable vat, Reactive, repressed, Nepthathel as Azoic done oxidation dyes & pigment colours.	7.	identification of fibers by burning test microscope chemeical meth. Yarn court, stain removing of various types of stain. Prepare samples & make a project.
8.	Fashion Redding of a garments care labels & costing of garments.	8.	Collect samples of various yarns.
9.	Color fastness, qualities control stain removing of various types of stains.	9.	Colours fastness test to heat sunlight, gas funes, Perspiration, humidity, crocker and ironing an coloured natural fabrics.
10.	Trimming threads elastics, interfacing, narrow fabrics fasterness, belts.	10.	Stitch a women petticoat saree blouse, katori-designes Blouses, Salwar Kameez, Churidar, Patiyala Salwar.

11	Casting a garment casting functions the cost sheet, wholesales pricing cost merchandising.	11	Design & Stitch an evening gown of Off-shoulder using darts & Cup pads.
12	Spreading a & Cutting procedures in a Industry – spreading cutting techniques environmental concerns, bundlings.	12	Design & Stitch T-Shirt for male of Knitted materials.
		13.	Design & Stitch harem pants for a woman.

List of Material Required (Tools & Equipments) :

- 1) Single Needle High Speed
- 2) Buttonhole Machine
- 3) Bartack Machine
- 4) Belt Fixing Machine
- 5) 5 Thread Overlock Machine.
- 6) Blind Stitch Machine
- 7) Fusing Machine
- 8) Vacuum Pressing System

References :

- 1) Mullik Prem Lata, Garment Construction Skill” Kalyani Publishers, New Delhi
- 2) “Complete Guide to Sewing” Reader Digest
- 3) Readers Digest Sewing Book
- 4) Thomas Anna Jacob “ The Art of Swing” USB Publishers, New Delhi.

Subject Name – Fashion Merchandising & Production – 1st year**(Subject Code – 41040011)**

	Theory		Practical
1)	What is Fashion a) Fashion b) History of Fashion c) Principles of Fashion d) Fashion Concept e) Theories of fashion leadership.	1)	Public Speaking to enhance the confidence, group discussions , geographical factual practical.
2)	Analyzing & selecting Resources Buying in domestic & Foreign market, Demand, improving brand image, brand Changes in Fashion World. Fashion cycle, Fashion adaptation.	2)	Report on demand, Brand, changes in fashion world.
3)	Fashion Market Customer Behaviour Concept of Marketing Fashion. Promotion Marketing concept market. Planning.	3)	Visit to a garment industry & report on the marketing strategy of a company. Report on Fashion show & magazines.
4)	Communication strategies / Goals / Tacts / Objectives Fashion Advertising & Media Planning.	4)	Give reports about Communication strategies / goals tacks / objectives.
5)	Concept of Boutique & Mall window display visual merchandising Retailing, Wholeselling, Rules of Display Planning, Planning for a window display.	5)	Design a layout for boutique / ladies shopee
6)	Material Managemech material in industry inventory control mode, ABC Analysis, Safety Stock, Re- order, level, Economics ordering quantity, stores equipment, stores records, purchasing procedures, purchase records, bincards, cordex, material handling, manual lifting, hoist cranes, conveyors, trucks, York tracks.	6)	Collection of wash care labels sketching and understanding of symbols. Making a design collection <ul style="list-style-type: none">- Selection of a theme.- Finalizing five designs- Development of designs into garments final presentation of garments.
7)	Principles of Management Management Different functions of management, planning, organizing coordination & control. Structure of an industrial organization. Function of different departments, relationship between individual department.	7)	Market Survey for various fabrics available & project of fabric samples, fabric properties, price, washing care, maintainence.

8)	<p>Human & Industrial Relations.</p> <ol style="list-style-type: none"> 1) Human relations & performance in organization. 2) Understand self and others for effective behaviour. 3) Behaviour modification techniques. 4) Industrial relations & disputes 5) Relations with subordinates peers & superiors. 6) Labour Welfare 7) Workers participation in Management. 	8)	Report prizing, Brand – National & International, Cost sheet
9)	<p>Leadership</p> <p>Need for Leadership</p> <p>Functions of a Leader</p> <p>Factors for accomplishing</p> <p>Effective leadership</p> <p>Manager as a Leader</p>	9)	Production sheet of a production unit, Budgeting.
10.	<p>Motivation.</p> <p>Factors determining motivation</p> <p>Characteristics of motivation</p> <p>Methods of improving motivation.</p> <p>Incentives, pay, promotion, rewards, job satisfaction & job enrichments.</p>	10)	Prepare an advertise with a proper slogan for your boutique / shop / merchandise

Subject Name – Fashion Merchandising& Production – 2nd year

(Subject Code – 41040011)

	Theory		Practical
1)	Production Management 1) Introduction to Basic Production Terms 2) Production 3) Productivity 4) Work in Process 5) Time Study 6) Motion Study 7) Work Study 8) Ergonomics	1)	Market Survey within the local market for various fabrics, trims and accessories. Report of Costing, Pricing – Cost Price, Selling Price, backward Costing.
2)	Production Planning & Control 1) Types of Production Processes, job 2) Batch and mass production 3) Raw Material Planning & allocation 4) Process Planning & Process Sheet 5) Methods of Production Control	2)	Assignment on Production sheet, Cost Sheet. Visit a factory & observe production methods. Do operators do section work or does one person sew one whole garment together. Computer technology used, production methods, compare wholesale price with the quality of Production.
3)	Plant Layout and material Handling 1) Methods of Plant Layout 2) Factors affecting Plant Layout 3) Concept of Plant Layout 4) Types of Layout (Process, Product and Combination type) and their characteristics. 5) Workstation design, factors considered in designing a work station.	3)	Assignment of Layout Planning of a garment industry. Find examples of 10 successful designs in European and American Fashion magazines. Describe the beauty of each in term of line, Bilhouette, shapes and spaces, color and textore as well as balance, proportion , rythim & emphasis
4)	Material Handling 1) Introduction and functions of material Handling 2) Material handling equipment their selection. 3) Safety requirements while using material handling equipment.	4)	Prepare a mood board on specific theme according to your choice.
5)	Quality Control Concepts. 1) What is Quality 2) Need for Quality Control 3) Quality Control Techniques 4) Quality Assurance 5) Quality Standards	5)	Research the history and growth of a large store in your area. Contact the store's public relations department for information and check your college or local library for further information.

6)	<p>What is Inspection</p> <ol style="list-style-type: none"> 1) Different types of inspections 2) Various methods 3) Role of operation and inspector in inspection. 	6)	<p>Prepare a report on a Quality of any product of your choice.</p>
7)	<p>ISO – 9000</p> <ol style="list-style-type: none"> 1) Introduction to ISO-9000 System 2) What is ISO and related quality serials. 3) Benefits of ISO 9000 4) Cost distribution for ISO Certification fees per garment. 	7)	<p>Visit to a Export house / Garment Manufacturing industry & prepare the Report on its working operations.</p>
8)	<p>Major / Minor defects</p> <ol style="list-style-type: none"> 1) Classification & criteria of rejection / acceptance. 2) Stain removal Washing, dry cleaning, ironing, labeling and packaging. 	8)	<p>Collect the different Wash care labels of the garments & prepare a report.</p>
9)	<p>Export & Import</p> <ol style="list-style-type: none"> 1) Current Indian export & India's position in the world apparel / textile market. 2) Apparel cluster along with their specialties – Mumbai, Chennai, Ludhiana, Delhi etc. 3) Organizational structure of export house, buying houses and domestic companies 4) Buyer Classification structure of export house, buying houses & domestic companies. 5) Buyers classification and buying network in exports. 6) Understanding the quota system and relevance of AEPC (Apparel Exports and Promotion Council). 	9)	<p>Internship training of minimum 2 months in well known garment industry. Submit a project report after completing the internship.</p>

References :

- 1) Fashion Merchandising
- 2) Fashion & Retail Merchandising.