

5.1 PATTERN MAKING - I

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RATIONALE

The students are supposed to perform the jobs of pattern maker when engaged in garment manufacturing. After going through this subject, students will be able to manipulate different darts and increase or decrease any pattern proportions

DETAILED CONTENTS

PRACTICAL EXERCISES

1. Lady's Shirts
 - Drafting of lady's shirt
 - Adaptation of the lady's shirt to various styles
 - Developing patterns of the various styles (3 styles)
2. Drafting of kalidar kurta and churidar pyjama
3. Developing patterns for
 - Lady's skirts
 - Lady's tops
 - Lady's nightwear
4. Lady's Trousers
 - Drafting of lady's trousers
 - Adaptation of lady's trousers to various styles
 - Developing patterns of the various styles (3 styles)
5. Drafting of Men's Shirt

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Helen Joseph Armstrong
2. The ABC's of Grading by Murray Sacher
3. Pattern Making for Fashion design by Armstrong
4. Basic Pattern Skills for Fashion Design by Bernard Zamkoff
5. Design Apparel Through the Flat Pattern by Ernestine Kopp

5.2 GARMENT CONSTRUCTION - V

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RATIONALE

The diploma holders in fashion design are supposed to fabricate the garments. So it is very essential that they should be able to fabricate various garments as per the layouts and specifications. Hence this subject has been included in the curriculum in order to develop such competencies.

DETAILED CONTENTS

Practical Exercises

1. Construction of lady's salwar kameez
2. Construction of lady's kalidar kurta and churdiar pyjama
3. Construction of lady's saree blouse
4. Construction of lady's lehnga choli
5. Construction of gent's shirt

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Armstrong
2. Clothing Construction by Doongaji; Raj Parkashan, Delhi
3. System of Cutting by Zarakar
4. Clothing Construction by Evelyn A Mansfield, Houghton Mifflin Co., Boston
5. Creative Sewing by Allynie Bane; McGraw Hill Book Co., Inc., New York
6. How You Look and Dress by Byrta Carson; McGraw Hill Book Co., Inc., New York

5.3 CAD IN FASHION DESIGN - II

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RATIONALE

The term CAD has found its way into all major disciplines that have got anything to do with designing or drafting techniques. The major objective of this course is to expose the students to different softwares available in the field of garment technology, so that they are able to use those software in the design and construction of various garments

DETAILED CONTENTS

PRACTICAL EXERCISES

1. To create prints, textures, repeats, color ways and drapes using fashion studio software
2. Knowledge and operation of CAD package for pattern making/digitizing/grading/marker making

The software can be any one from the following:

- a) Lectra
- b) Tuka Tech. Inc. U.S.A.
- c) Gerber Garment Technology (GGT)
- d) Any other pattern making package available in markets (latest version)

INSTRUCTIONAL STRATEGY

The students should be allowed to use and operate any one software for development of patterns, grading and marker making of different garment items. The teacher may arrange expert lectures/demonstration on CAD exercises by inviting professionals from the garment industry.

5.4 APPAREL MANAGEMENT AND QUALITY CONTROL

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RATIONALE

Diploma holders in fashion design are required to lead a team of workers and motivate them towards realization of organizational objectives, with the knowledge and skill of apparel management and quality control.

DETAILED CONTENTS

PART A: PRODUCTION MANAGEMENT

1. Introduction to Basic Production Terms (04 hrs)
Production, productivity, work in process,
2. Production Planning and Control (08 hrs)
 - Types of production processes, job, batch and mass production
3. Material Handling (08 hrs)
 - Introduction and functions of material handling
 - Material handling equipment – their selection
 - Safety requirements while using material handling equipment

PART B: QUALITY CONTROL

4. What is Quality (06 hrs)
 - Need for quality control
 - Quality Control
 - Quality Assurance
 - Quality Standard
5. What is Inspection (06 hrs)
 - Role of operation and inspector in inspection
6. ISO – 9001 (06 hrs)
 - Introduction to ISO 9001 system
 - What is ISO and related quality serials

- Benefits of ISO 9001
 - Cost distribution for ISO certification fees per garment
7. Major/minor defects classification and criteria of rejection/acceptance (10 hrs.)

LIST OF PRACTICAL

1. Analyzing test reports as per given specification of the buyer
2. Demonstration of basic fabric defects
3. Demonstration of sewing, finishing and packaging defects through a visit to an Industrial visit
4. Demonstration of various types of garment machinery

INSTRUCTIONAL STRATEGY

The teacher should take students to garment industries to show them various production processes and maintenance of quality of garments in the industry

RECOMMENDED BOOKS

1. Managing Quality by SK Bhardwaj and PV Mehta; New Age Publisher, Delhi
2. ISO 90001 –Textile Committee Manual

5.5 MINOR PROJECT WORK

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Minor project work aims at exposing the students to industrial/field practices so as to have an appreciation of size, scale and type of operations; and work culture in the industries. Also the students will be able to comprehend concepts, principles and practices taught in the classroom and their application in solving field/industrial jobs.

For effective planning and implementation of this practical training, it is suggested that polytechnic should:

- a) Identify adequate number of industrial/field organizations where students will be sent for visits.
- b) Prepare a workbook (which can be used by students) for guiding students to perform definite task during the practical training.
- c) Identify teachers who would supervise the students and provide guidance during practical training.

This practical training of 2-3 weeks duration will carry 150 marks. 50 marks will be given by industrial/field supervisors and 100 marks by the external and teacher supervising this training. The components of evaluation will include the following :

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|----|-----------------------------------|-----|
| a) | Punctuality and regularity | 15% |
| b) | Initiative in learning new things | 15% |
| c) | Relationship with workers | 15% |
| d) | Industrial training report | 55% |

Suggested themes

Hypothetical theme oriented towards market e.g. casual/sports/corporate wear etc.

It is required to be a group of minimum 4-5 students and each group would pick up a concept as following:

- i) Individually the students would design/complete outfit each (e.g. upper, lower, over garment, head gear, footwear & all others)
- ii) However they are required to make a group presentation of one complete collection of 5 outfits.

Note: Team spirit/group activity is to be given importance and understanding each others potential to create a collection. Fabric/colour/detailing has to be in continuation as one collection.

5.6 INDUSTRIAL TRAINING

RATIONALE

The students of fashion design should be able to visualize the practical workflow in the industry and shall be in a position to set up their own enterprise at the culmination of the course.

Suggested Tasks

- Understanding of domestic/export garment industry
- Working of various departments i.e. from sampling to production of garments
- Understanding the company profile.
- Work load of various departments including layout plan.
- Working conditions.
- Approximate turn over
- Finance requirement in setting up of the company

- Note:** i) Students are required to select an industry as per their specialization.
- ii) At the end of the training, the students are required to prepare two garments and also a report which has to be submitted.