

GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, GUJARAT

COURSE CURRICULUM

**COURSE TITLE: ADVANCE PATTERNMAKING II
(Code: 3345105)**

Diploma programmes in which this course is offered	Semester in which offered
Computer Aided Costume Design and Dress Making	4 th Semester

1. RATIONALE

This course imparts the skill in advanced pattern making of lower garments using flat pattern technique. It is useful for the students for advanced pattern design and fashion designing. This knowledge is useful for preparing fashioned garments at par with the industry.

2. COMPETENCY

The course content should be taught and curriculum should be implemented with the aim to develop required skills so that students are able to acquire following competency:

- **Draft and grade lower block for men and women as per requirement.**

3. COURSE OUTCOMES:

The theory should be taught and practical should be carried out in such a manner that students are able to acquire required learning out comes in cognitive, psychomotor and affective domain to demonstrate following course outcomes.

- Select appropriate grading method in single dart basic bodice block by nest method (two size up - one size down)
- Develop design variations by trouser & skirt block

4. TEACHING AND EXAMINATION SCHEME

Teaching Scheme (In Hours)			Total Credits (L+T+P)	Examination Scheme				
L	T	P		Theory Marks		Practical Marks		Total Marks
L	T	P	C	ESE	PA	ESE	PA	
0	0	6	6	0	0	60	90	

Legends: L-Lecture; T – Tutorial; P -Practical; C– Credit;; ESE -End Semester Examination; PA - Progressive Assessment.

5. DETAILED COURSE CONTENTS

Note: There would not be separate classes for theory as given below, and this theory would be discussed before the relevant practical.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit– I Techniques of drafting of Men’s trouser block	1a. Draft bifurcated garment for men	1.1 Drafting of trouser block for men & its test fit
Unit– II Techniques of drafting of Women’s trouser block	2a. Draft bifurcated garment for women	2.1 Drafting of trouser & skirt block for women & its test fit
Unit– III Adaptation of trouser block (male/female) in variations	3a Develop design variations by trouser & skirt block	3.1 Adaptation of Trouser block (male/ female) to its variations 3.1.1 Flared trouser 3.1.2 Short 3.1.3 Capri 3.1.4 A-line 3.1.5 Umbrella 3.1.6 Pegged top
Unit– IV Techniques of drafting of Salwar & Churidar	4a Draft Indian bifurcated garment for women	4.1 Drafting of Indian bifurcated garment for women & its test fit 4.1.1 Salwar & Churidar and its variations as per trend
Unit –V Manual grading	5a Select appropriate grading method in given situation	5.1 Introduction to manual grading- grading concepts, principles of grading, terminology, zero point, type of grading methods. 5.1.1 Grading of single dart basic bodice block by nest method (two size up - one size down) 5.1.2 Grading of Basic skirt block by nest method (two size up - one size down) 5.1.3 Grading of men’s trouser by nest method (two size up - one size down)

6. SUGGESTED SPECIFICATION TABLE WITH HOURS & MARKS (THEORY)

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7. SUGGESTED LIST OF EXERCISES/PRACTICAL

The practical/exercises should be properly designed and implemented with an attempt to develop different types of skills (**outcomes in psychomotor and affective domain**) so that students are able to acquire the competencies/programme outcomes. Following is the list of practical exercises for guidance.

*Note: Here only outcomes in psychomotor domain are listed as practical/exercises. However, if these practical/exercises are completed appropriately, they would also lead to development of certain outcomes in affective domain which would in turn lead to development of **Course Outcomes** related to affective domain. Thus over all development of **Programme Outcomes** (as given in a common list at the beginning of curriculum document for this programme) would be assured.*

Faculty should refer to that common list and should ensure that students also acquire outcomes in affective domain which are required for overall achievement of Programme Outcomes/Course Outcomes.

S. No.	Unit No.	Practical/Exercises (outcomes in Psychomotor Domain)	Approx. Hrs. Required
1	I	Prepare trouser block for men by drafting method & carry out its test fit	10
2	II	Prepare trouser block for women by drafting method & carry out its test fit	10
3	III	Adapt trouser block for its variations- flared trouser, pleated trouser, short, Bermuda, Capri etc.	20
4	IV	Prepare draft of Salwar & Churidar and its variations as per trend	20
5	V	i. Grade single dart basic bodice block by nest method (two size up - one size down) ii. Grade Basic skirt block by nest method (two size up - one size down) iii. Grade men's formal/ casual shirt by nest method (two size up - one size down) iv. Grade men's trouser by nest method (two size up - one size down)	24
Total Hours			84

8. SUGGESTED LIST OF PROPOSED STUDENT ACTIVITIES

- i. Students will maintain a Pattern portfolio along with test fit.
- ii. Students will maintain a journal as per the exercises listed above.

9. SPECIAL LEARNING STRATEGIES (If Any)

- i. Be with students while they are working on their practical/exercises and teach them right methods/techniques to be adopted while they are working.
- ii. Give students continuous feedback to improve the quality of their work and their skills.

10. SUGGESTED LEARNING RESOURCES

A. List of Books

S. No.	Author	Title of Books	Publication
1	Armstrong, Helen Joseph	Pattern making for Fashion design	Prentice Hall
2	Connie Amaden-Crford	The Art of Fashion Draping	Fair Child Books
3	Martin M Shoben & Janet P. Ward	Pattern Cutting and Making up	Routledge
4	Gerry Cooklin	Pattern Grading for Women's Clothes	Wiley
5	Jeanne Price & Brenard Zamkoff	Grading Techniques for Modern Design	Fairchild Publications
6	Winifred Aldrich	Metric Pattern Cutting for men's wear	Wiley-Blackwell
7	Lori A. Knowles	The practical guide to patternmaking for fashion designers	Fair Child Books

B. List of Major Equipment/ Instrument

- i. Dress forms (female leg form: UK size 8 and 10, male leg form : waist size 32 and 34)
- ii. Steam iron with vacuum table

C. List of Software/Learning Websites

- i. <http://www.fibre2fashion.com/industry-article/35/3431/basics-of-pattern-making1.asp>
- ii. <http://www.textileschool.com/articles/576/importance-of-pattern-making-in-garment-making>
- iii. <http://thecuttingclass.com/post/30519934677/pattern-notches-alexander-wang>
- iv. [http://en.wikipedia.org/wiki/Pattern_\(sewing\)](http://en.wikipedia.org/wiki/Pattern_(sewing))

11. COURSE CURRICULUM DEVELOPMENT COMMITTEE

Faculty Members from Polytechnics

- **Prof. Smt. U. B. Patel**, Lecturer CACDDM, K.J. Polytechnic, Bharuch.
- **Prof. (Ms) B. K. Patel**, Lecturer CACDDM, GGP, Ahmedabad
- **Prof. Ms. M. B. Panchaliya**, Lecturer CACDDM, B.P.T.I., Bhavnagar.
- **Prof. Mrs. D. B. Suthar**, Lecturer CACDDM, G.P. Himatnagar.

Faculty Members from NIFT Gandhinagar.

- **Prof. Vishal Gupta**, Associate Professor, Fashion Design

Co-ordinator and Faculty Members from NITTTR Bhopal

- **Prof. Dr. Shashi Kant Gupta**, Professor and Coordinator for State of Gujarat.
- **Prof. (Mrs.) Chanchal Mehra**, Associate Professor, Department of Vocational Education and Entrepreneurship Development