

GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, GUJARAT

Course Curriculum

ADVANCE PATTERN MAKING

(Code: 3335105)

Diploma programmes in which this course is offered	Semester in which offered
Computer Aided Costume Design and Dress Making	3 rd Semester

1. RATIONALE

This course imparts the knowledge of advanced pattern designing using flat pattern technique and draping 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. Thus it is a key course for costume designers and hence students should develop mastery over it.

2. COMPETENCY (Programme Outcome according to NBA Terminology):

The course content should be taught and with the aim to develop different types of skills so that students are able to acquire following competency:

Prepare dress and trouser blocks.

- **Prepare appropriate patterns to design fashioned garments.**

3. 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	ES	PA	ESE	PA	
0	-	6	6	0	0	60	90	150

Legends: L-Lecture; T – Tutorial/Teacher Guided Student Activity; P -Practical; C – Credit;

ESE -End Semester Examination; PA - Progressive Assessment.

4. DETAILED COURSE CONTENTS

Unit	Major Learning Outcomes (Course Outcomes as per NBA terminology)	Topics and Sub-topics
Unit– I Techniques of Drafting of Children Block.	1a. Develop different styles of upper garments for children.	1.1 Drafting of children block for boy (8- 10 years). 1.1.1 Development of basic children Shirt from bodice block and its variations. 1.2 Drafting of children block for girl (6- 8 years). 1.2.1 Girl's block variation Dress/frock etc.
Unit– II Techniques of Drafting of Men's Shirts.	2a. Develop different styles of shirts for men.	2.1 Drafting of Men's Shirt and its variations. 2.1.1 Drafting of formal shirt. 2.1.2 Drafting of casual shirt.
Unit– III Techniques of Draping of Torso Block.	3a. Develop torso block by draping method.	3.1 Development of torso/dress block by draping method. 3.1.1 Development of Shift (semi fit) and box fit (loose fit) from sheath fit(close fit) torso by using flat pattern making technique and development of their slopers for design adaptation.
Unit– IV Adaptation of Indian Kurta from Torso Block.	4a. Construct variations of Indian kurta from Torso block.	4.1 Adaptation of dress blocks into <i>Indian Kurta</i> , princess line <i>kurta</i> etc. In different fits (fitted, semi fitted and loose fit).

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

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6. SUGGESTED LIST OF PRACTICAL/EXERCISES

The practical/exercises should be properly designed and implemented with an attempt to develop different types of practical skills (**Course 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 Course Outcomes in psychomotor domain are listed as practical/exercises. However, if these practical/exercises are completed appropriately, they would also lead to development of **Programme Outcomes/Course Outcomes in affective domain** as given in a common list at the beginning of curriculum document for this programme. Faculty should refer to that common list and should ensure that students also acquire those Programme Outcomes/Course Outcomes related to affective domain.

S. No.	Unit No.	Practical/Exercises (Course Outcomes in Psychomotor Domain according to NBA Terminology)	Approx Hours Required
1	I	Prepare a upper body block for child (boy,8-10 years) by drafting method and its test fit	8
2	I	Create a basic shirt by adaptation of upper body block to	8
3	I	Prepare a upper body block for child (Girl 6-8 years) by drafting method and its test fit	8
4	I	Create a dress/ frock by adaptation of upper body block	8
5	II	Prepare a draft of men's formal shirt and its test fit	10
6	II	Prepare a draft of men's casual shirt and its test fit	8
7	III	Prepare a torso block (sheath) by draping method	8
8	III	Prepare a shift and box fit block from torso (sheath) block and its test fit	8
9	III	Prepare slopers for all three torso block (sheath, shift & box)	6
10	IV	Adapt torso block to create a Indian Kurta, princes line kurta etc. in different fits (fitted, semi fitted or loose fit)and its test fit	12
		TOTAL	84

7. 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.

8. SPECIAL INSTRUCTIONAL STRATEGIES (If Any)

- i. Students should be asked to visit the shops of readymade garments and measure the important dimensions of the garments of different types and fits for children and man for different sizes and prepare a report on it.
- ii. Students may be asked to measure the dimensions of their classmates/family members/friends etc. and find out the common sizes required for readymade dresses.

9. 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	
4	Winifred Aldrich	Metric Pattern Cutting for Children's Wear	Blackwell Science
5	Winifred Aldrich	Metric Pattern Cutting for Children's Wear and baby wear	Wiley-Blackwell
6	Gloria Mortimer-Dunn	Pattern Design for Children's clothes	B T Batsford, london
7	Hilde Jafee Rosa Rosa	Childrenswear Design	Fair Child Books
8	Winifred Aldrich	Metric Pattern Cutting for men's wear	Wiley-Blackwell
9	David Page Coffin	Shirt Making	
10	Lori A. Knowles	The practical guide to patternmaking for fashion designers	Fair Child Books

B. List of Major Equipment/ Instrument

- i. Dress forms (female: UK size 8 and 10, male: collar size 40, male: waist size 32, children dress form: boy age 8 & 10, girls age 6 & 8)
- ii. Steam iron with vacuum table

C. List of Software/Learning Websites

- i. [en.wikipedia.org/wiki/Pattern_\(sewing\)](http://en.wikipedia.org/wiki/Pattern_(sewing))
- ii. estelladee.wordpress.com
- iii. www.flickr.com/groups/amigurumi/discuss/72057594108665208/

10. COURSE CURRICULUM DEVELOPMENT COMMITTEE**Faculty Members from Polytechnics**

- **Prof.(Ms) R. O. Yadav**, Lecturer CACDDM, C U SHAH Poly, Surendranagar
- **Prof.(Ms) F. G. Kugasiya**, Lecturer CACDDM,GGP, Ahmedabad
- **Prof.(Ms) U. B. Panchal**, Lecturer CACDDM, C U SHAH Poly, Surendranagar
- **Prof.(Ms) B. K. Patel**, Lecturer CACDDM,GGP, Ahmedabad

Faculty Members from NIFT Gandhinagar

- **Prof. Vishal Gupta**, Associate Professor Fashion Design
- **Prof. Nupur Chopra**, Assistant Professor Fashion Technology

Coordinator and Faculty Members from NITTTR Bhopal

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