

GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)

Competency-focused Outcome-based Green Curriculum-2021 (COGC-2021)

Semester - VI

Course Title: Pattern Making and Contoured Garment

(Course Code: 4365104)

Diploma programme in which this course is offered	Semester in which offered
Computer Aided Costume Designing and Dress Making	Sixth

1. RATIONALE

This course imparts the knowledge of pattern designing of complex or advance garments such as contour fit using flat pattern technique. It will be useful for the students to design haute couture. This knowledge is also useful for preparing fashioned garments at par with the needs of the industry. Thus, it is a key course for costume designers and hence students should develop mastery over it.

2. COMPETENCY

The course content should be taught and implemented with the aim to develop different types of skills leading to the achievement of the following competency:

- **Develop contoured garments of various styles using different applications.**

3. COURSE OUTCOMES (COs)

The practical exercises, the underpinning knowledge and the relevant soft skills associated With the identified competency are to be developed in the student for the achievement of the following COs:

- Develop contour fit block and its variations.
- Design contour fit garments.
- Construct contour fit garments.
- Design various type of sari blouse or choli blouse.
- Construct sari blouse or choli blouse as per recent trend.

4. TEACHING AND EXAMINATION SCHEME

Teaching Scheme (In Hours)			Total Credits (L+T+P/2)	Examination Scheme				
L	T	P		Theory Marks		Practical Marks		Total Marks
			C	CA	ESE	CA	ESE	
0	0	4	2	00	00	50*	50	100

(*): For this practical only course, 50 marks under the practical CA has two components i.e., the assessment of micro-project, which will be done out of 10 marks and the remaining 40 marks are for the assessment of practical. This is designed to facilitate attainment of COs holistically, as there is no theory ESE.

Legends: L-Lecture; T- Tutorial/Teacher Guided Theory Practice; P -Practical; C – Credit, CA - Continuous Assessment; ESE -End Semester Examination.

5. SUGGESTED PRACTICAL EXERCISES

The following practical outcomes (PrOs) are the sub-components of the COs. They are crucial for that particular CO at the 'Precision Level' of Dave's Taxonomy related to 'Psychomotor Domain'.

Sr. No.	Practical Outcomes (PrOs)	Unit No.	Approx. Hrs. required
1	Prepare Contour fit block from bodice block and sleeve block.	Unit I	4
2	Prepare Contour fit variations from bodice block.	Unit I	2
3	Design corsets. (2 designs)	Unit I	4
4	Design halter neck garment. (2 designs)	Unit I	4
5	Design empire line garment. (2 designs)	Unit I	4
6	Design princess line garment. (2 designs)	Unit I	4
7	Construct any one contour garment from the above variation.	Unit I	12
8	Design sari/choli blouse with princess line. (2 designs)	Unit II	4
9	Design sari/choli blouse with halter neck. (2 designs)	Unit II	4
10	Design strapless. (2 designs)	Unit II	4
11	Construct any one sari/choli blouse from the above variation as per current trend.	Unit II	10
	Minimum Practical Hours		56

Note

- i. More **Practical Exercises** can be designed and offered by the respective course teacher to develop the industry relevant skills/outcomes to match the Cos. The above table is only a suggestive list.
- ii. The following are some **sample** 'Process' and 'Product' related skills (more may be added/deleted depending on the course) that occur in the above listed **Practical Exercises** of this course required which are embedded in the COs and ultimately the competency.

Sr. No.	Sample Performance Indicators for the PrOs	Weightage in %
1	Planning the process for preparing the contour fit garment/block.	20
2	Preparing the contour fit garment/block/design as per given instructions.	50
3	Finishing of the contour fit garment/block/design.	20
4	Presentation of the contour fit garment/block/design.	10
	Total	100

6. MAJOR EQUIPMENT/ INSTRUMENTS REQUIRED

This major equipment with broad specifications for the PrOs is a guide to procure them by the administrators to usher in uniformity of practical in all institutions across the state.

Sr. No.	Equipment Name with Broad Specifications	PrO.No.
1.	Half Shuttle Sewing Machine	7,11
2.	Full Shuttle Sewing Machine	7,11

7. AFFECTIVE DOMAIN OUTCOMES

The following **sample** Affective Domain Outcomes (ADOs) are embedded in many of the above-mentioned COs and PrOs. More could be added to fulfill the development of this course competency.

- Work as a leader/a team member.
- Follow safety practices while using instruments and tools.
- Follow ethical practices.
- Maintain tools and instruments.

The ADOs are best developed through the laboratory/field-based exercises. Moreover, the level of achievement of the ADOs according to Krathwohl's 'Affective Domain Taxonomy' should gradually increase as planned below:

- 'Valuing Level' in 1st year.
- 'Organization Level' in 2nd year.
- 'Characterization Level' in 3rd year.

8. UNDERPINNING THEORY

The major underpinning theory is given below based on the higher level UOs of Revised Bloom's taxonomy that are formulated for development of the COs and competency. If required, more such UOs could be included by the course teacher to focus on attainment of COs and competency.

Unit	Unit Outcomes (UOs) (4to6 UOs at different levels)	Topics and Sub-topics
Unit– I Contour fit block	1a. Prepare contour fit block and its variations. 1b. Design contour fit block and its variations. 1c. Construct contour fit block and its variations.	1.1 Development of Contour fit block from bodice block 1.2 Contour fit variations – corset, halter, empire line, evening gown / dress etc. 1.3 Development of Sleeve for contour fit block 1.4 Design and construct contour fit garment.
Unit– II Sari blouse	2a. Design varieties of Sari/Choli blouse and its variations. 2b. Construct varieties of Sari/Choli blouse as per current trend.	2.1 Design varieties of Choli blouse/ princess line/ blouse variation as per current trend. 2.2 Construct Choli blouse/ princess line/ blouse variation as per current trend and its test fit.

9. SUGGESTED SPECIFICATION TABLE FOR QUESTION PAPER DESIGN

Unit No.	Unit Title	Teaching Hours	Distribution of Theory Marks			
			R Level	U Level	A Level	Total Marks
Not Applicable						

Legends: R=Remember, U=Understand, A=Apply and above (Revised Bloom's taxonomy)

10. SUGGESTED STUDENT ACTIVITIES

Other than the classroom and laboratory learning, following are the suggested student-related **co-curricular** activities which can be undertaken to accelerate the attainment of the various outcomes in this course. Students should perform following activities in group and prepare reports of about 5 pages for each activity. They should also collect/record physical evidences for their (student's) portfolio which may be useful for their placement interviews:

- a) Assign internet-based assignments.
- b) Give seminar on types and varieties of Formal clothing.
- c) Undertake market survey on various types of Party wear.
- d) Assign teacher guided self-learning activities.

11. SUGGESTED SPECIAL INSTRUCTIONAL STRATEGIES (if any)

These are sample strategies, which the teacher can use to accelerate the attainment of the various outcomes in this course:

- a) Massive open online courses (**MOOCs**) may be used to teach various topics/sub topics.
- b) Guide student(s) in undertaking micro-projects.
- c) '**L**' in **section No. 4** means different types of teaching methods that are to be employed by teachers to develop the outcomes.
- d) About **20% of the topics/sub-topics** which are relatively simpler or descriptive in nature is to be given to the students for **self-learning**, but to be assessed using different assessment methods.
- e) With respect to **section No.10**, teachers need to ensure to create opportunities and provisions for **co-curricular activities**.
- f) Guide students on how to address issues on environment and sustainability.
- g) Make students understand the relevant topic using animation, video and presentations.

12. SUGGESTED MICRO-PROJECTS

Only one micro-project is planned to be undertaken by a student that needs to be assigned to him/her in the beginning of the semester. In the first four semesters, the micro-project is group-based (group of 3 to 5). However, **in the fifth and sixth semesters**, the number of students in the group should **not exceed three**.

The micro-project could be industry application based, internet-based, workshop-based, laboratory-based or field-based. Each micro-project should encompass two or more COs which are in fact, an integration of PrOs, UOs and ADOs. Each student will have to maintain dated work diary consisting of individual contribution in the project work and give a seminar presentation of it before submission. The duration of the micro project should be about **14-**

16 (fourteen to sixteen) student engagement hours during the course. The students ought to submit micro-project by the end of the semester to develop the industry-oriented COs.

A suggestive list of micro-projects is given here. This has to match the competency and the COs. Similar micro-projects could be added by the concerned course teacher:

- a) **Garment Design:** Design Contour fit garments for different occasions (5 design).
- b) **Garment Design:** Design Contour fit garments for different seasons (5 design).
- c) **Market survey:** Survey on collection of Contour fit garments and prepare a report.
- d) **Collection of Design:** Prepare catalogue of Contour fit garments with empire line, halter neck, princess line etc. (each two)
- e) **Fabric Material:** Select a suitable fabric sample for contour fit garment and prepare a design with specification.

13. SUGGESTED LEARNING RESOURCES

Sr. No.	Title of Book	Author	Publication with place, year and ISBN
1	Pattern making for Fashion design	Armstrong Helen Joseph	Prentice Hall Publication ISBN- 10 9780136069348 ISBN- 13 978-0136069348
2	Fabric, Form and Flat pattern Cutting Aldrich Winifred	Aldrich Winifred	Blackwell Publication ISBN-10: 1405136200 ISBN-13: 978-1405136204
3	Pattern Cutting and Making up Martin Shoben and Janet Ward	Martin Shoben and Janet Ward	Butter Worth ISBN 9780750603645
4	More Dress Pattern Designing Aldrich Winifred	Aldrich Winifred	Blackwell Science ISBN-10 0632065028 ISBN-13 978-0632065028
5	The practical guide to patternmaking for fashion designers	Knowles Lori A.	ISBN-10 1563673282 ISBN-13 978-1563673283

14. SOFTWARE/LEARNING WEBSITES

- a) <https://www.google.com/search?q=Contour+fit+block+from+bodice+>
- b) www.clothingpatterns101.com/pattern-drafting.html
- c) www.youtube.com/watch?v=VAttkl8MjkU
- d) <https://dresspatternmaking.com/garment-elements/stylelines/empire-line-e/>
- e) <https://fabrickated.com/2016/06/17/the-contour-guide-pattern-how-to-make-one/>
- f) <https://sewguide.com/stitch-a-sari-blouse/>

15. PO-COMPETENCY-CO MAPPING

Semester VI	Pattern Making and Contoured Garment (Course Code: 4365104)						
	POs						
Competency & Course Outcomes	PO 1 Basic & Discipline specific knowledge	PO 2 Problem Analysis	PO 3 Design/development of solutions	PO 4 Engineering Tools, Experimentation Testing	PO 5 Engineering practices for society, sustainability & environment	PO 6 Project Management	PO 7 Life-long learning
Competency	Develop contoured garments of various styles using different applications.						
Course Outcomes							
CO a) Develop contour fit block and its variations.	3	2	2	2	2	3	3
CO b) Design contour fit garments.	3	2	2	2	2	2	2
CO c) Construct contour fit garments.	3	2	2	2	2	3	2
CO d) Design various type of sari blouse or choli blouse.	3	2	2	2	2	2	2
CO e) Construct sari blouse or choli blouse as per recent trend.	3	2	2	2	2	3	2

Legend: '3' for high, '2' for medium, '1' for low and '-' for no correlation of each CO with PO.

16. COURSE CURRICULUM DEVELOPMENT COMMITTEE

GTU Resource Persons

Sr. No.	Name and Designation	Institute	Contact No.	Email
1	Dr. F. V. Kugashiya HOD in CACD&DM	GGP, Ahmedabad	9825697874	farjana.kugashiya@gmail.com
2	Ms. S. H. Bhatt Lecturer in CACD&DM	GGP, Ahmedabad	9898068580	shbhatt99@gmail.com
3	Dr. P. A. Acharya Lecturer in CACD&DM	BPTI, Bhavnagar	9427503783	pallaviacharrya@gmail.com
4	Ms. B.K. Patel Lecturer in CACD&DM	GGP, Ahmedabad	9879434633	Bhavnapatel76@gmail.com