



Gyanmanjari
Innovative University

Course Syllabus
Gyanmanjari Institute of Design
Semester-4

Subject: Apparel Construction-II - DDEFN14212

Type of course: Major (Core)

Prerequisite: Students must have prior knowledge of basic drafting, sewing machine operation, simple garment construction (bodice, skirt, sleeve), and basic textile understanding to successfully execute advanced construction techniques required for final collection garments.

Rationale: Apparel Construction is a core subject that equips students with the technical skills required to translate their design ideas into professionally finished garments for their Final Collection. The subject provides hands-on training in pattern development, garment assembly, advanced sewing techniques, fabric handling, fit correction, and production finishing—ensuring students' final outfits reflect quality, precision, and industry standards.

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks					Total Marks
CI	T	P		Theory Marks		Practical Marks		CA	
			ESE	MSE	V	P	ALA		
0	2	4	4	00	00	10	40	50	100

Legends: CI-Classroom Instructions; T – Tutorial; P - Practical; C – Credit; ESE - End Semester Examination; MSE- Mid Semester Examination; V – Viva; CA - Continuous Assessment; ALA- Active Learning Activities.

Course Content:

Sr. no.	Course content
1	<p>Unit-1 – Advanced Pattern Making Techniques</p> <p>1.1. Pattern development</p> <p>1.2. Adaptation of blocks</p> <p>1.3. Style modification</p> <p>1.4. Pattern correction & fit troubleshooting</p> <p>1.5. Bias pattern development</p>



2	Unit-2 – Draping Techniques 2.1 Draping foundational silhouettes 2.2 Combining draping and flat pattern for complex designs 2.3 Muslin prototyping to perfect garment fall
3	Unit-3 – Garment Construction 3.1 Bodice construction 3.2 Outerwear basics 3.3 Parts of Garment
4	Unit-4 – Advanced Finishing Techniques 4.1. Plackets, button stands 4.2 Lining & underlining 4.3 Hem types (rolled hem, blind hem, baby hem) 4.4 Seam finishing (French seam, flat-felled, overlocking, binding)
5	Unit-5 – Final Presentation Preparation

Continuous Assessment:

Sr. No.	Active Learning Activities	Marks
1	Fabric Study Collect a fabric and evaluate its property before using in collection. and upload the photos in GMIU web portal	10
2	Style Line & Panel Construction Hands-on activity to construct princess lines, yokes, panels, pleats, godets, gathers, and tucks of final garments and upload the photo in GMIU web portal.	10
3	Production Flow Mapping The workflow of their final outfit production: pattern-making → cutting → stitching → finishing → documentation, click a photos make a video of making and upload in GMIU web portal	10
4	Sample Variation Trial upload a of all variate trial while making final outfits in GMIU web portal.	10
5	Attendance	10
	Total	50



Suggested Specification table with Marks (Theory): NA

Distribution of Theory Marks (Revised Bloom's Taxonomy)						
Level	Remembrance (R)	Understanding (U)	Application (A)	Analyze (N)	Evaluate (E)	Create (C)
Weightage	NA	NA	NA	NA	NA	NA

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Course Outcome:

After learning the course, the students should be able to:	
CO1	Construct all garments of their final collection with professional quality
CO2	Complete patterns, toiles, and finishing to industry standard
CO3	Understand fabric-handling techniques for different garments
CO4	Present well-fitted, cleanly finished fashion garments at the final jury
CO5	Cultivate an independent and innovative approach to garment design through construction.

List of Practical

Sr. No	Description	Unit No	Hrs.
1	Fiber testing, grain identification, drape testing, and choosing fabric suitable for the design.	1	4
2	Revising basic blocks and modifying for collection silhouettes.	1	4
3	Transforming blocks into actual design patterns.	1	4
4	Creating toile for one key garment from final collection.	1	4
5	Fit trials on mannequins/peers and corrections on toile or pattern.	1	4
6	Marker making, layout planning, fabric saving techniques.	2	4
7	French seams, binding, rolled hem, bias finishing, overlocking.	2	4



8	Invisible zipper, fly zipper, button stand, hook bars, loops, the fasteners finishing	3	4
9	Sleeve Construction Techniques as per design.	3	4
10	Collar & Neckline Construction and finishing as per design	3	4
11	Specialized Construction as per the design from final collection	4	6
12	Add on Lining & Interfacing Techniques for final touch for collection.	4	4
13	Assemble and Start stitching final collection garment.	4	6
14	Final inspection, pressing standard, loose threads cutting, hemming, packaging. All final touch before the photoshoot and show.	4	4
Total			60

Instructional Method:

The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by black board, may also use any of tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction.

Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment

Practical/Viva examination will be conducted at the end of semester for evaluation of performance of students in laboratory.

Reference Books:

- [1] Virginia Hencken Elsasser & Julia Ridgway Sharp - Textiles: Concepts and Principles
- [2] Seema Sekhri - Textbook of Fabric Science: Fundamentals to Finishing
- [3] J. Fan & L. Hunter - Engineering Apparel Fabrics and Garments
- [4] N. Gokarneshan - Fabric Structure & Design
- [5] David J. Spencer - Knitting Technology

