	Mahatma Gandhi University Kottayam					
Programme	BSc (Hons) Home Science					
Course Name	Fundamentals of Garment Construction					
Type of Course	DSC A					
Course Code	MG5DSCHSC302					
Course Level	300-399					
Course Summary	This comprehensive course is designed to equip students with an in-depth understanding and practical proficiency in the various facets of apparel pattern making and design.					
Semester	V	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	-	1	-	45+30=75
Pre-requisites, if any	Prior knowledge of garment construction concepts to facilitate effective comprehension and application of advanced pattern making.					

COURSE OUTCOMES (CO)

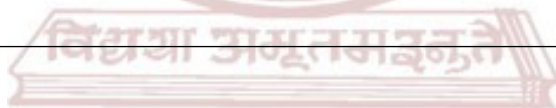
CO No.	Expected Course Outcome	Learning Domains *	PO No
After the successful completion of the course the student should be able to:			
1	Describe the sewing machine components and troubleshooting problems and other sewing tools	U	1, 2, 9, 10
2	Discuss the application of different trimmings and decorations	A	1, 2, 3, 10
3	Understand the techniques of taking accurate body measurements for different pattern making processes and pattern alteration	U	1, 2, 8, 10
4	Explain the process of preparing fabric for cutting	U	1, 2, 10
5	Develop samples for seams, fullness, neck finishes and fasteners and construct garments suitable for babies	C	1, 2, 10
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom transaction (Units)

Module	Units	Course description	Hrs	CO No.
Sewing Tools and Trims				
1	1.1	Parts of Sewing Machine and their functions, Minor troubles in machine and their causes.	17	CO1
	1.2	Cutting Tools, Hand sewing and embroidery tools, Measuring tools, Marking tools, General tools, Pressing tools		CO1
	1.3	Soft trims: Lace, Rickrack, Fringes, Tassels, Rope or cord, Bias trimmings, Twill tapes, Braids. Hard trims: Fancy buttons, Beads, Sequins Decorations: Motifs, patch work, quilting, pompous, Applique Smocking, mirror work, ribbon work, crochet, macramé and tattooing		CO2
Pattern making, Grading and Pattern Alterations				
2	2.1	Body Measurements – Preparation for measuring, Method of taking body measurements of ladies and children	18	CO3
	2.2	Pattern - definition. Methods of pattern Making- Drafting, Draping and Flat pattern methods. Advantages and disadvantages Drafting-Principles of drafting. Commercial patterns- advantages and disadvantages. Pattern grading.		CO3
	2.3	Standards for a good fit: Ease, Line, Grain, Set, Balance		CO3
	2.4	Principles of pattern alteration, Fitting techniques		CO3
Fabric preparation and cutting				
3	3.1	Preparation of fabric for cutting: Straightening fabric ends, Straightening fabric grain and shrinking fabrics	10	CO4
	3.2	Importance of grain in fabric cutting, Marking, Pattern layout, Cutting.		CO4

Practical				
4	4.1	Seams: Plain seam, Single Top stitch, Double top stitch, French seam, Flat fell seam, Piped Seam Seam finishes: Double stitch finish, Pinked finish	30	CO5
	4.2	Fullness: Darts – Single pointed dart, Double pointed dart Tucks- Pin tucks, Crossed tucks Pleats – Knife pleat, Box pleat, Inverted box pleat Gathers- Gathering by hand, Gathering by machine and Gathering by elastic.		CO5
	4.3	Neck finishes – joining bias, bias binding, bias facing, fitted facing Fasteners- Hook and eye, press buttons		CO5
	4.4	Drafting and construction of a frock with panties for a six-month-old girl baby		CO5
	4.5	Drafting and construction of a romper for a six-month-old boy baby		CO5
5	Teacher specific content (This content will be evaluated internally)			



MGU-UGP (HONOURS)

Syllabus

Mode of Assessment

CLASSROOM PROCEDURE				
Module		Mode of Transaction		
1,2,3,4		Lecture, Demonstration and practical Assignments		
Mode of assessment				
A Continuous Comprehensive Assessment (CCA)				
Learning approach	Formative Assessment (FA)	Summative Assessment (SA)	Marks	
Lecture	In-class discussion/Group tutorial work			
	Assignment/oral presentations			
	Viva-voce/Interview			
		Test paper- I		
		Test paper- II/open book test/any other		
Total				25
Practical	Observation of practical skills			
	Viva-voce/Oral Presentation			
		Record		
Total				15
B.End Semester Examination				
Written Examination				50
Practical Examination				35

End Semester Evaluation

Theory: 50 Marks Time: I hour 30 minutes

- i) Short answer type questions: Answer any 10 questions out of 12 (10x2=20)
- ii) Short essay type questions: answer any 5 questions out of 7 (5x4=20)
- iii) Essay type questions: Answer any 1 question out of 2 (1x10=10)

Practical: 35 Marks Time: I hour

- i) Laboratory Evaluation (25 marks)
- ii) Record (10 marks)

REFERENCES

1. Mary Mathews, "Practical Clothing Construction Part I & II", Paprinpack, Chennai, 2000.
2. Joseph-Armstrong, H. (2013). Patternmaking for Fashion Design. India: Pearson.
3. Stringer, P. C. (1992). Pattern Drafting for Dressmaking. United Kingdom: B.T. Batsford.
4. Amaden-Crawford, C. (2018). The Art of Fashion Draping. United Kingdom: Bloomsbury Publishing.
5. Amaden-Crawford, C. (2007). Patternmaking Made Easy. United States: Amaden- Crawford, Incorporated.

SUGGESTED READINGS

1. Erwin, M. D., Kinchen, L. A., Peters, K. A. (1979). Clothing for Moderns. United Kingdom: Macmillan.
2. Sharada Devi, A and Anitha, D. (2009) Fashion and Apparel Designing. State Institute of Vocational Education, Directorate of Intermediate Education, A.P. Distributors, 2003