

**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES (HONOURS)
SYLLABUS**

MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty: Science

Expert Committee: Fashion Technology

Subject: Garment Manufacturing

**Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India**

Syllabus Index

Name of the Minor: **Garment Manufacturing**

Semester 1

Course Code	Title of the Course	Type of the Course DSC, MDC, SEC etc.	Credit	Hours/ week	Hour Distribution /week			
					L	T	P	O
MG1DSCGMF100	Sewing Fundamentals	DSC B	4	5		3	2	

Semester: 2

Course Code	Title of the Course	Type of the Course DSC, MDC, SEC etc.	Credit	Hours/ week	Hour Distribution /week			
					L	T	P	O
MG2DSCGMF100	Basic Sewing Details	DSC B	4	5		3	2	

Syllabus

Semester: 3

Course Code	Title of the Course	Type of the Course DSC, MDC, SEC etc.	Credit	Hours/ week	Hour Distribution /week			
					L	T	P	O
MG3DSCGMF200	Advanced Garment Construction	DSC B	4	5		3	2	

Semester: 4

Course Code	Title of the Course	Type of the Course DSC, MDC, SEC etc.	Credit	Hours/ week	Hour Distribution /week			
					L	T	P	O
MG4DSCGMF200	Advanced Garment Construction	DSC C	4	5		3	2	

MGU-UGP (HONOURS)**Syllabus**



Mahatma Gandhi University Kottayam

Programme						
Course Name	SEWING FUNDAMENTALS					
Type of Course	DSC B					
Course Code	MG1DSCGMF100					
Course Level	100					
Course Summary	The course aims to introduce students to industrial machines and to avail control on the sewing machine to construct samples of seams, seam finishes, and fasteners.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture 0	Tutorial 3	Practical 1	Others 0	
Pre-requisites, if any	NIL					

MGU-UGP (HONOURS) COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Identify the parts, terminology, safety rules, care and maintenance of industrial sewing machine, pressing equipment and accessories.	U	4,10
2	Employ industrial sewing machines and pressing equipment.	A	4,10
3	Practice permanent and temporary hand stitches.	A	4,10
4	Employ basic seams and seam finishes.	A	4,10
5	Practice basic finishes and fullness techniques.	A	4,10

***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.
1	1.1	Sewing machine parts and terminology: Safety Rules, Care and Maintenance. Study on different sewing machines.	15	1
	1.2	Industrial machine practice: Stitching Parallel lines, Broken lines, Cornered lines and Waves on paper. (A4 sheet).		2
	1.3	Pressing equipment: Types, Safety rules, Care and Maintenance.		
	1.4	Over lock machine and its application.		
2	2.1	Study of different types of needles and threads.	20	1
	2.2	Basic hand stitches and their classifications: Temporary stitches: Basting-Even, Uneven and Diagonal. Permanent stitches: Hemming (Visible & Invisible), Blanket /Fagoting. (Sample size 10"x10").		3
	2.3	Stitching straight lines, broken lines, curved lines and waves on muslin. (Sample size 10"x10").		2
3	3.1	Seam and its types: Super Imposed, Lapped, Bound, Self-Enclosed French Seam, Mock French, Flat Felled, Self-Bound Seam. (Sample size 10"x10").	20	4
	3.2	Seam Finishes: Pinked, Hand Overcast, Bias Bound, Edge Stitch. (Sample size 10"x10").		
4	4.1	Decorative Finishes: Piped, Faced and Ruffled. (Sample size 10"x10").	20	5
	4.2	Fullness: Tucks- Blind, Spaced, Pin Tucks Pleats- Knife, Box, Inverted, Pleat with Separate underlay Gathering, Ruffles, Godets. (Sample size 10"x10").		
5	5.1	Teacher Specific Content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3, 4	Demonstration and Practical Assignment		
	5	Teacher Specific		
Assessment Types	MODE OF ASSESSMENT			
	A. Continuous Comprehensive Assessment (CCA)			
	Learning Approach	Formative Assessment (FA)	Summative Assessment (SA)	Total Marks
	Practical	Classroom Involvement and On Time Submission	Record	30
	B. End Semester Evaluation (ESE)			
	Exam Components		Marks	Total Marks
	Practical	Sample Completion	40	70
Accuracy & Neatness		30		

References

1. Reader's Digest Association (Canada, & Reader's Digest Association. (1995). *Complete Guide to Sewing*. Reader's Digest Association Canada.
2. Constance Joyce Warch, & McWilliams, M. (1979). *Sewing Fundamentals*.
3. Hayes, S., McLoughlin, J., Fairclough, D., & Cooklin, G. (2012). *Cooklin's Garment Technology for Fashion Designers*. Wiley.

Suggested Readings

1. Langdon, N. J. S., & Singer Sewing Machine Company. (2018). *Singer: The Complete Photo Guide to Sewing*. Creative Publishing International, An Imprint of the Quarto Group.
2. Shaeffer, C. B. (2001). *Sewing for The Apparel Industry*. Prentice Hall.



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Programme						
Course Name	BASIC SEWING DETAILS					
Type of Course	DSC B					
Course Code	MG2DSCGMF100					
Course Level	100					
Course Summary	Provide a detailed knowledge about flat pattern making and drafting of basic bodice, sleeve and construction of sewing details.					
Semester	2	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		0	3	1	0	75
Pre-requisites, if any	NIL					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Measure body dimensions and develop patterns of basic bodice and sleeve.	E	10
2	Construct pockets and plackets.	A	10
3	Construct necklines and finish with suitable techniques.	A	1,10
4	Develop pattern and construct any type of sleeves.	A	10
5	Analyse the design details and develop variations of bodice and sleeve.	An	1,10

**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.
1	1.1	Introduction to Flat Pattern Making: Tools, Taking Body Measurements and Standard Measurement Chart.	15	1
	1.2	Dart: Definition & Rules. Principles & Techniques of flat pattern making.		1
	1.3	Plackets: Inseam, Continuous, Bound, Tailored, Zipper (Lapped & Invisible). (Samples size 10" x 10").		2
2	2.1	Pockets: Welt with Flap, Inseam Pocket Patch Pocket with Self Flap and Hip Pocket/Pouched Patch Pocket.	20	2
	2.2	Necklines & Finishes: U-Neck with Bias Binding, Sweet Heart Neck with Shaped Facing, Boat Neck with Key Hole with Piping and Facing. (Samples Size 10" X 10").		3
	2.3	Drafting of Basic Bodice (Front & Back).		1
3	3.1	Drafting of Basic Sleeve.	20	1
	3.2	Drafting of Sleeve Variations: Puff Sleeves: Puff at Cap/ Hem/ Hem & Cap. Petal Sleeve, Leg O Mutton Sleeve and Cowl Sleeve/Bishop Sleeve.		4
4	4.1	Construction of Sleeves and Sleeve Finishes: Basic Sleeve with Shirt Cuff. Puff Sleeves: Puff at Cap/ Hem/ Hem & Cap with Binding. Petal Sleeve with Piping/Facing.	20	4
	4.2	Pattern Making Principle 1 - Dart Manipulation: Single dart series using slash/spread technique & pivotal transfer technique. (Mid Shoulder Dart, Centre Front Waist dart, French dart, Mid Armhole Dart, Side Bust Dart, and Mid Neck Dart).		5

5	5.1	Teacher Specific Content		
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Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3, 4	Demonstration and Practical Assignment		
	5	Teacher Specific		
Assessment Types	MODE OF ASSESSMENT			
	A. Continuous Comprehensive Assessment (CCA)			
	Learning Approach	Formative Assessment (FA)	Summative Assessment (SA)	Total Marks
	Practical	Classroom Involvement and On Time Submission	Record	30
	B. End Semester Evaluation (ESE)			
	Exam Components		Marks	Total Marks
	Practical	Appropriate Sample Completion	40	70
Accuracy & Neatness		30		

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References

1. Helen Joseph Armstrong, Vincent James Maruzzi, & Hagen, K. (2006). *Patternmaking for Fashion Design*. Pearson Prentice Hall.
2. Reader's Digest Association. (1999). *Reader's Digest Complete Guide to Sewing*. Reader's Digest.
3. Shaeffer, C. B. (2001). *Sewing for The Apparel Industry*. Prentice Hall.

Suggested Readings

1. Hayes, S., McLoughlin, J., Fairclough, D., & Cooklin, G. (2012). *Cooklin's Garment Technology for Fashion Designers*. Wiley.
2. Kopp, E., Vittorina Rolfo, & Zelin, B. (1968). *How to Draft Basic Patterns*.



Mahatma Gandhi University Kottayam

Programme						
Course Name	ADVANCED GARMENT CONSTRUCTION					
Type of Course	DSC B					
Course Code	MG3DSCGMF200					
Course Level	200					
Course Summary	Provides knowledge in advanced garment construction which enable the students to construct garments professionally.					
Semester	3	Credits			4	Total Hours
Course Details	Learning Approach	Lecture 0	Tutorial 3	Practical 1	Others 0	
Pre-requisites, if any	Knowledge in applying appropriate sewing details.					

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COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Design kid's wear and develop patterns.	C	2, 4, 10
2	Assemble kid's wear.	C	4, 10
3	Construct basic trouser.	A	4, 10
4	Construct contoured bodice variation.	A	4, 10
5	Construct torso and its variations.	A	4, 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.
1	1.1	Introduction to kid's clothing: design, selection of fabric, trims and size categories.	20	1
	1.2	Innovative design development and construction of kid's wear in the age group of 3 to 6 years.		2
2	2.1	Construction of basic trouser.	20	3
	2.2	Construction of off-shoulder/halter bodice.		4
3	3.1	Construction of torso foundation.	15	5
	3.2	Construction of flared princess line dress.		
4	4.1	Construction of cape foundation/hood.	20	4, 5
	4.2	Construction of bodice with cowl – front/back.		5
5	5.1	Teacher Specific Content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3, 4	Demonstration and Practical Assignment		
	5	Teacher Specific		
Assessment Types	MODE OF ASSESSMENT			
	A. Continuous Comprehensive Assessment (CCA)			
	Learning Approach	Formative Assessment (FA)	Summative Assessment (SA)	Total Marks
	Practical	Classroom Involvement and On Time Submission	Record	30
	B. End Semester Evaluation (ESE)			

	Exam Components	Marks	Total Marks
	Appropriate Garment Completion	40	70
	Practical Accuracy & Neatness	20	
	Ingenuity Assessment	10	

References

1. Amaden-Crawford, C. (2016). *A Guide to Fashion Sewing*. Bloomsbury Publishing USA.
2. Shaeffer, C. B. (2011). *Couture Sewing Techniques*. Newtown, Ct Taunton Press.

Suggested Readings

1. Hayes, S., Mcloughlin, J., Fairclough, D., & Cooklin, G. (2012). *Cooklin's Garment Technology for Fashion Designers*. Wiley.
2. Auteur: Nurie Relis, & Strauss, G. (1997). *Sewing for Fashion Design*. Prentice Hall.
3. Zarpkar, K. R., & Zarpkar, A. K. (2011). *System of Cutting*. Navneet Pulications (India) Limited.



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Programme						
Course Name	ADVANCED GARMENT CONSTRUCTION					
Type of Course	DSC C					
Course Code	MG4DSCGMF200					
Course Level	200					
Course Summary	Provides knowledge in advanced garment construction which enable the students to construct garments professionally.					
Semester	4	Credits			4	Total Hours
Course Details	Learning Approach	Lecture 0	Tutorial 3	Practical 1	Others 0	
Pre-requisites, if any	Knowledge in applying appropriate sewing details.					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Design kid's wear and develop patterns.	C	2, 4, 10
2	Assemble kid's wear.	C	4, 10
3	Construct basic trouser.	A	4, 10
4	Construct contoured bodice variation.	A	4, 10
5	Construct torso and its variations.	A	4, 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.
1	1.1	Introduction to kid's clothing: design, selection of fabric, trims and size categories.	20	1
	1.2	Innovative design development and construction of kid's wear in the age group of 3 to 6 years.		2
2	2.1	Construction of basic trouser.	20	3
	2.2	Construction of off-shoulder/halter bodice.		4
3	3.1	Construction of torso foundation.	15	5
	3.2	Construction of flared princess line dress.		
4	4.1	Construction of cape foundation/hood.	20	4, 5
	4.2	Construction of bodice with cowl – front/back.		5
5	5.1	Teacher Specific Content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3, 4	Demonstration and Practical Assignment		
	5	Teacher Specific		
Assessment Types	MODE OF ASSESSMENT			
	A. Continuous Comprehensive Assessment (CCA)			
	Learning Approach	Formative Assessment (FA)	Summative Assessment (SA)	Total Marks
	Practical	Classroom Involvement and On Time Submission	Record	30
	B. End Semester Evaluation (ESE)			
	Exam Components		Marks	Total Marks

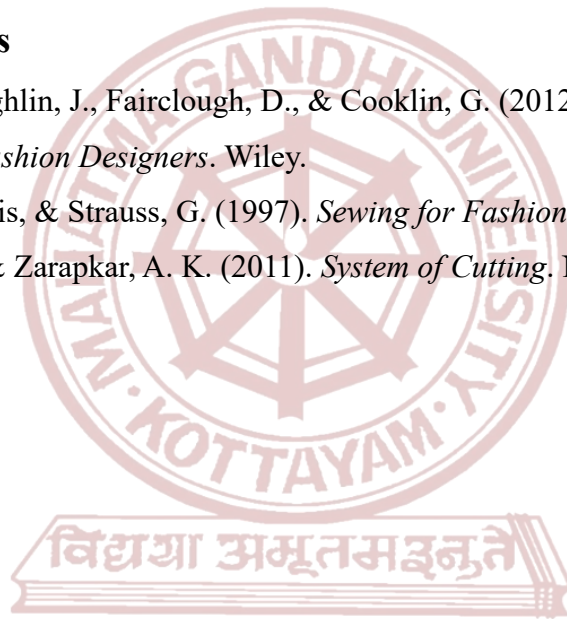
	Practical	Appropriate Garment Completion	40	70
		Accuracy & Neatness	20	
		Ingenuity Assessment	10	

References

1. Amaden-Crawford, C. (2016). *A Guide to Fashion Sewing*. Bloomsbury Publishing USA.
2. Shaeffer, C. B. (2011). *Couture Sewing Techniques*. Newtown, Ct Taunton Press.

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1. Hayes, S., Mcloughlin, J., Fairclough, D., & Cooklin, G. (2012). *Cooklin's Garment Technology for Fashion Designers*. Wiley.
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3. Zarpkar, K. R., & Zarpkar, A. K. (2011). *System of Cutting*. Navneet Pulications (India) Limited.



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