

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

MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty: Science

Expert Committee: Fashion Technology

Subject: Textiles

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

Syllabus Index

Name of the Minor: **Textiles**

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
MG1DSCTXL100	Textile Science	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
MG2DSCTXL100	Traditional Embroidered and Woven Textiles of India	DSC B	4	5	3		2	

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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
MG3DSCTXL200	Traditional Dyed, Painted and Printed Textiles of India	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
MG4DSCTXL200	Traditional Dyed, Painted and Printed Textiles of India	DSC C	4	5	3		2	

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Mahatma Gandhi University Kottayam

Programme						
Course Name	TEXTILE SCIENCE					
Type of Course	DSC B					
Course Code	MG1DSCTXL100					
Course Level	100					
Course Summary	The course provides students with the knowledge of the characteristics, uses and importance of natural and manmade fibres and the process involved in the production of fibres, yarns and fabrics.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture 3	Tutorial 0	Practical 1	Others 0	
Pre-requisites, if any	NIL					

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COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Classify textile fibres.	U	4, 6, 10
2	Summarize the process associated with natural and man-made fibres.	U	4, 6, 10
3	Explain yarn manufacturing process and yarn types.	U	4, 6, 10
4	Summarize fabric construction techniques.	U	4, 6, 10
5	Prepare a project report based on the industrial visit.	A	4, 6, 7, 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	Classification of textile fibres according to source and length.	15	1
	1.2	Processing, properties and identification of natural fibres: Cotton, Flax, Silk and Wool.		2
	1.3	Manufacturing process, properties and identification of man-made fibres: Rayon (Viscose and Acetate), Nylon, Polyester and Acrylic.		
2	2.1	Spinning techniques: Hand Spinning, Ring Spinning and Rotary Spinning. Yarn Twist and Yarn Count.	20	3
	2.2	Yarn classification: Single, Ply, Double, Cable, Novelty Yarns (Slub, Flake, Spiral, Ratiné, Boucle, Spot, Chenille Yarns).		
3	3.1	Basic weaves and variations: Plain, Twill and Satin.	20	4
	3.2	Fancy weaves: Pile, Dobby, Jacquard, Extra Warp and Weft, Leno, Crepe, and Double Cloth.		
	3.3	Other methods of fabric construction: Non-Woven, Felts, Laces, Braids and Nets.		
	3.4	Introduction to blends and mixtures.		
4	4.1	Visit to an industry as a team to observe spinning and weaving techniques and submit a team project report based on the observations.	20	5
	4.2	Submit a collection folder containing swatches of textile fibres and fabrics		
5	5.1	Teacher Specific Content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3	Lecture		
	4	Industrial Visit		
	5	Teacher Specific		
Assessment Types	MODE OF ASSESSMENT			
	A. Continuous Comprehensive Assessment (CCA)			
	Learning Approach	Formative Assessment (FA)	Summative Assessment (SA)	Total Marks
	Lecture	Textile Sample Identification (Weave, Yarn, Fibre)	Written Test	25
	Practical	Industrial Visit -Viva	Team Project Report	15
	B. End Semester Evaluation (ESE)			
	Exam Components		Marks	Total Marks
	Lecture	Written Examination		50
	Practical	Viva Based on Project Report		10
		Textile Sample Identification (Weave, Yarn, Fibre)		25
			35	

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References

1. Corbman, B. P. (1983). *Textiles: Fiber to Fabrics*. McGraw-Hill.
2. Kogent Learning Solutions Inc. (2010). *Comdex Fashion Design*, Vol 1, Fashion Concepts
3. Kadolph, S. J., & Marcketti, S. B. (2017). *Textiles*. Pearson.
4. Joseph, M. L. (1988). *Essentials of Textiles*. Holt, Rinehart, And Winston.

Suggested Readings

1. Jerde, J. (1992). *Encyclopedia of Textiles*.
2. Hargrave, H. (1997). *From Fiber to Fabric*. C&T Publishing Inc.



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Programme						
Course Name	TRADITIONAL EMBROIDERED AND WOVEN TEXTILES OF INDIA					
Type of Course	DSC B					
Course Code	MG2DSCTXL100					
Course Level	100					
Course Summary	The course gives an overview about the woven and embroidered traditional textiles all over India.					
Semester	2	Credits			4	Total Hours
Course Details	Learning Approach	Lecture 3	Tutorial 0	Practical 1	Others 0	
Pre-requisites, if any	NIL					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Explain the techniques of textile decoration.	U	6,10
2	Classify the hand-woven textiles of India.	U	6,10
3	Describe the embroidered textiles of India	U	6,10
4	Apply the traditional Indian embroideries.	A	6, 7, 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 techniques of Indian traditional textile decoration: Weaving and Embroidery techniques.	10	1
2	2.1	Northern Region: - Handwoven Textiles: Banaras Brocades of Uttar Pradesh, Shawls of Kashmir, Kullu and Kinnaur Shawls of Himachal Pradesh. Embroidered Textiles: Kashida of Kashmir, Phulkari of Punjab, Chikankari and Zardozi of Uttar Pradesh, Chamba Rumal of Himachal Pradesh.	15	2, 3
	2.2	Eastern Region: - Handwoven Textiles: Baluchari Saris, Dacca Muslins and Jamdani of West Bengal, Shawl Weaving of North East (Assam, Manipur, Meghalaya, Nagaland). Embroidered Textiles: Kantha of West Bengal, Pipli Work of Odisha.		2, 3
3	3.1	MGU-UGP (HONOURS) Western Region: - Embroidered Textiles: Kutch, Kathiawar and Applique work of Gujarat, Split Ply Camel Girths and Gota Work of Rajasthan.	15	2, 3
	3.2	Central Region: - Hand Woven Textiles: Chanderi Saris and Maheshwari Saris of Madhya Pradesh, Paithani Saris, Mashru, Himru and Amru of Maharashtra. Embroidered Textiles: Parsi Embroidery of Maharashtra.		2, 3

4	4.1	Southern Region: - Hand Woven Textiles: Ilkal Saris and Mysore Silks of Karnataka, Kunbi Saris of Goa, Kanchipuram Saris of Tamil Nadu, Kerala Woven Textiles. Embroidered Textiles: Lambadi Embroidery of Andhra Pradesh and Kasuti Embroidery of Karnataka.	20	2, 3
	4.2	Prepare the Embroideries: Kantha of West Bengal, Chikankari of West Bengal, Chamba Rumal of Himachal Pradesh, Kutch Work of Gujarat. (Sample size 8" x 8").	15	4
5	5.1	Teacher specific content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3	Lecture		
	4	Lecture 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
	Lecture	Oral Presentation/ Quiz/ Home Assignment	Written Test	25
	Practical	Classroom Involvement and On Time Submission	Record	15
	B. End Semester Evaluation (ESE)			
	Exam Components			Total Marks
	Lecture	Written Examination		50
	Practical	Identification Test on Traditional Woven and Embroidered Indian Textiles.		35

References

1. Gillow, J., & Barnard, N. (1991). *Traditional Indian Textiles*. Thames & Hudson.
2. Gillow, J. (2014). *Indian Textiles*. Thames & Hudson Australia.

3. Naik, S. D. (2020). *Traditional Embroideries of India*. A.P.H. Publishing Corporation.

Suggested Readings

1. Mukulika Banerjee, & Miller, D. (2003). *The Sari*. Berg.
2. Bhandari, V. (1998). *Textiles and Crafts of India*. National Institute of Fashion Tec.
3. Sunderrao, K. (1963). *Traditional Embroidery of India*.
4. Dr. Sukhvir Singh. (2023). *Traditional Indian Textiles*. LWRN Studio.



MGU-UGP (HONOURS)

Syllabus



Mahatma Gandhi University Kottayam

Programme						
Course Name	TRADITIONAL DYED, PAINTED AND PRINTED TEXTILES OF INDIA					
Type of Course	DSC B					
Course Code	MG3DSCTXL200					
Course Level	200					
Course Summary	The course gives an overview about the dyed, painted and printed traditional textiles all over India.					
Semester	3	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	0	1	0	75
Pre-requisites, if any	NIL					



COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Explain the techniques of textile decoration.	U	6, 10
2	Explain about the traditional dyeing techniques.	U	6, 10
3	Describe about the painted and printed textiles.	U	6, 10
4	Practice dyeing and printing techniques.	A	6, 10
5	Create a product by applying any of the suitable ornamentation technique.	C	6, 7, 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 Techniques of Indian Traditional Textile Decoration: Natural Dyes & Dyeing Techniques and Printing & Painting Techniques.	15	1, 2, 3
2	2.1	Resist Dyed Textiles: Bandhini, Patola, Bandhej and Leheriya of Rajasthan, Bandhas of Odisha, Pochampalli Saris and Telia Rumals of Andhra Pradesh	20	2
	2.2	Painted Textiles: Mata ni Pachedi, Roghan Work of Gujarat, Pabuji Par of Rajasthan, Kalamkari of Andhra Pradesh.		3
3	3.1	Printed Textiles: Ajrakh, Batik of Gujarat, Bagru, Sanganer, Dabu of Rajasthan, Calico prints of Kerala	20	3
4	4.1	Practical Assignment: Bandhini, Leheriya, Batik and Block Printing. Submit a product by applying any of the suitable ornamentation technique.	20	4, 5
5	5.1	Teacher Specific Content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3	Lecture		
	4	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
	Lecture	Oral Presentation/ Quiz/ Home Assignment	Written Test	25
	Practical	Classroom Involvement and On Time Submission	Record	15
	B. End Semester Evaluation (ESE)			
	Exam Components			Total Marks
	Lecture	Written Examination		50
	Practical	Identification Test on Traditional Dyed, Painted and Printed Indian Textiles.		35

References

- Gillow, J., and Barnard, N. (1991). *Traditional Indian Textiles*. Thames and Hudson.
- Bühler, A., and Fischer, E. (1979). *The Patola of Gujarat*.
- Gillow, J. (2014). *Indian Textiles*. Thames and Hudson Australia.

Suggested Readings

- Mukulika Banerjee, and Miller, D. (2003). *The Sari*. Berg.
- Bhandari, V. (1998). *Textiles and Crafts of India*. National Institute of Fashion Tec.
- Dr. Sukhvir Singh. (2023). *Traditional Indian Textiles*. LWRN Studio.



Mahatma Gandhi University Kottayam

Programme						
Course Name	TRADITIONAL DYED, PAINTED AND PRINTED TEXTILES OF INDIA					
Type of Course	DSC C					
Course Code	MG4DSCTXL200					
Course Level	200					
Course Summary	The course gives an overview about the dyed, painted and printed traditional textiles all over India.					
Semester	4	Credits			4	Total Hours
Course Details	Learning Approach	Lecture 3	Tutorial 0	Practical 1	Others 0	
Pre-requisites, if any	NIL					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Explain the techniques of textile decoration.	U	6, 10
2	Explain about the traditional dyeing techniques.	U	6, 10
3	Describe about the painted and printed textiles.	U	6, 10
4	Practice dyeing and printing techniques.	A	6, 10
5	Create a product by applying any of the suitable ornamentation technique.	C	6, 7, 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 Techniques of Indian Traditional Textile Decoration: Natural Dyes & Dyeing Techniques and Printing & Painting Techniques.	15	1, 2, 3
2	2.1	Resist Dyed Textiles: Bandhini, Patola, Bandhej and Leheriya of Rajasthan, Bandhas of Odisha, Pochampalli Saris and Telia Rumals of Andhra Pradesh	20	2
	2.2	Painted Textiles: Mata ni Pachedi, Roghan Work of Gujarat, Pabuji Par of Rajasthan, Kalamkari of Andhra Pradesh.		3
3	3.1	Printed Textiles: Ajrakh, Batik of Gujarat, Bagru, Sanganer, Dabu of Rajasthan, Calico prints of Kerala	20	3
4	4.1	Practical Assignment: Bandhini, Leheriya, Batik and Block Printing. Submit a product by applying any of the suitable ornamentation technique.	20	4, 5
5	5.1	Teacher Specific Content		

Teaching and Learning Approach	Classroom Procedure (Mode of transaction)			
	Module	Mode of Transaction		
	1, 2, 3	Lecture		
	4	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
	Lecture	Oral Presentation/ Quiz/ Home Assignment	Written Test	25
	Practical	Classroom Involvement and On Time Submission	Record	15
	B. End Semester Evaluation (ESE)			
	Exam Components			Total Marks
	Lecture	Written Examination		50
	Practical	Identification Test on Traditional Dyed, Painted and Printed Indian Textiles.		35

References

- Gillow, J., and Barnard, N. (1991). *Traditional Indian Textiles*. Thames and Hudson.
- Bühler, A., and Fischer, E. (1979). *The Patola of Gujarat*.
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