

GURU KASHI UNIVERSITY



M.Sc. of Fashion Designing
(Appendix-II)

Session: 2025-26

Faculty of Visual & Performing Arts

Graduate Attributes of the Programme: -

Type of learning outcomes	The Learning Outcomes Descriptors
Graduates should be able to demonstrate the acquisition of:	
Learning outcomes that are specific to disciplinary/interdisciplinary areas of learning	The programme imparts to the students an intensive knowledge of the world of fashion, distinct aspects of creativity, sustainability, development of trends, style sensitivity. The course imparts into the scholars' entrepreneurship spirit by incorporating areas of study like factors of manufacture, textiles, and fabrics, economic relevance.
Generic learning outcomes	Graduates will demonstrate the ability to generate innovative design solutions using advanced creative techniques, critically analyzing design challenges and producing original and functional fashion collections.
	Students will apply in-depth theoretical and practical knowledge in various areas of fashion design, including pattern making, textile technology, color theory, and garment construction, to create high-quality fashion pieces and collections.
	Graduates will possess strong analytical skills, enabling them to evaluate current fashion trends, consumer behavior, and cultural influences, using this insight to make informed, sustainable, and ethically-conscious design decisions.

Programme Learning Outcomes: Post- Graduate Diploma in Fashion Designing is awarded to students who have demonstrated the achievement of the outcomes located at level 6.5:

Element of the Descriptor	Programme learning outcomes relating to Post-Graduate Diploma in fashion Designing
The graduates should be able to demonstrate the acquisition of:	
Knowledge and Understanding	Developed a comprehensive understanding of fashion history, cultural studies, and traditional knowledge systems to contextualize contemporary design within historical and socio-cultural frameworks.
General, technical and professional skills required to perform and accomplish tasks	Acquired hands-on expertise in garment construction, drafting, pattern-making, and draping using advanced technical methods to produce industry-standard apparel.
Application of knowledge and skills	Applied color theory, illustration techniques, and creative styling concepts to design collections and visually communicate fashion ideas effectively in professional studio settings.
Generic learning Outcomes	Enhanced critical thinking, creative expression, and design innovation through integrated studio-based learning and cross-disciplinary collaboration.
Constitutional, humanistic, ethical, and moral values	Engaged with Indian knowledge systems and cultural heritage to incorporate sustainable, ethical, and culturally sensitive practices into design thinking and development.
Employability and job-ready skills, and entrepreneurship skills and capabilities/qualities and mind-set	Developed job-ready competencies in apparel production planning, cost analysis, and technical documentation aligned with current industry standards and workflows.
Credit requirements	Completion of 48 Credits for Post Graduate diploma in Fashion Designing.
Entry requirements	Passed B.Sc. in Fashion Design/ Technology or any Graduation with least 45% in the aggregate.

Semester: I										
Sr · N o.	Course Code	Course Title	Type of Course				No. of Credits	Int.	Ext.	Total
				L	T	P				
1	MFD1400	History of Fashion	Core Course	4	0	0	4	30	70	100
2	MFD1401	Advance Drafting and Pattern Making (Practical)	Core Course	4	0	0	4	30	70	100
3	MFD1402	Colour Science and Theory	Core Course	4	0	0	4	30	70	100
4	MFD1403	Apparel Brand Management	Core Course	4	0	0	4	30	70	100
5	MFD1404	Sketching & Illustration- Lab	Practicum	0	0	8	4	30	70	100
6	IKS0021	Introduction to Indian Knowledge System	Indian Knowledge System	4	0	0	4	15	35	50
Total				20	0	08	24	165	385	550

Semester: II										
Sr. No.	Course Code	Course Title	Type of Course	L	T	P	No. of Credits	Int.	Ext.	Total
1	MFD2450	Apparel Production Planning and Costing	Core Course	4	0	0	4	30	70	100
2	MFD2451	Creativity Advance in Style	Core Course	4	0	0	4	30	70	100
3	MFD2452	Fashion Consumer Behavior	Core Course	4	0	0	4	30	70	100
4	MFD2453	Advanced Draping and Pattern Making	Core Course	4	0	0	4	30	70	100
5	MFD2454	Design Studio	Practicum	0	0	8	4	30	70	100
6	MFD2455	Traditional Indian Embroidery	EEC	0	0	4	2	15	35	50
Total				16	0	12	22	165	385	550

Programme learning outcomes: Master of Science in Fashion Designing is awarded to students who have demonstrated the achievement of the outcomes located at level 5:

Element of the Descriptor	Programme learning outcomes relating to Master of Science in Fashion Designing
The graduates should be able to demonstrate the acquisition of:	
Knowledge and Understanding	Acquired a deep understanding of fashion entrepreneurship, apparel industry dynamics, textile studies, and the cultural influence of fashion, including how body shape impacts fashion design and marketing strategies.
Skills required to perform and accomplish tasks	Developed advanced technical skills in draping, knitting technology, textile finishes, and the practical application of these techniques in garment production, allowing for professional-level design and manufacturing practices.
Application of knowledge and skills	Applied theoretical knowledge of fashion, textiles, and body shape to create market-ready apparel designs, incorporating practical methods for production, textile finishes, and advanced knitting techniques.
Generic learning Outcomes	Enhanced creativity, problem-solving abilities, and analytical thinking through interdisciplinary learning in fashion design, textile science, and practical applications, empowering students to make informed design decisions.
Constitutional, humanistic, ethical, and moral values	Embraced ethical and sustainable practices in the fashion industry, integrating humanistic values into fashion entrepreneurship and respecting cultural influences, particularly in the context of Indian music and fashion integration.
Employability and job-ready skills, and entrepreneurship skills and capabilities/qualities and mind-set	Developed employability skills and entrepreneurial capabilities, focusing on leadership, innovation, and management within the apparel industry, while understanding market trends, consumer behavior, and business development.
Credit requirements	Completion of 90 Credits for M.Sc. in Fashion Designing.
Entry requirements	Bachelor's degree with Honours/Honours with Research in relevant subject (4-Years) or One -Year PG Diploma relevant subject with at least 45% marks or equivalent CGPA in aggregate, after 3 year Bachelor Degree.

Semester: III										
Sr. No.	Course Code	Course Title	Type of Course				No. of Credits	Int.	Ext.	Total
				L	T	P				
1	MFD3500	Fashion Entrepreneurship	Core Course	4	0	0	4	30	70	100
2	MFD3501	Apparel Industry, Marketing & Management	Core Course	4	0	0	4	30	70	100
3	MFD3502	Advance Draping Methods	Practicum	0	0	8	4	30	70	100
4	MFD3503	Accessory Designing & Construction	EEC	0	0	4	2	15	35	50
Discipline Elective-I (Select any one theory subject with its practical)										
5	MFD3504	Fashion and Body Shape	Discipline Elective Course	2	0	0	2	15	35	50
6	MFD3505	Textile Studies								
7	MFD3506	Fashion and Body Shape (Practical)		0	0	4	2	15	35	50
8	MFD3507	Textile Studies (Practical)								
Discipline Elective-II (Select any one theory subject with its practical)										
9	MFD3508	Advance Knitting Technology	Discipline Elective Course	2	0	0	2	15	35	50
10	MFD3509	Textile Finishes								
11	MFD3510	Advance Knitting Technology (Practical)		0	0	4	2	15	35	50
12	MFD3511	Textile Finishes (Practical)								
Total				12	0	20	22	165	385	550

Semester: IV										
Sr. No.	Course Code	Course Title	Type of Course	L	T	P	No. of Credits	Int.	Ext.	Total
1	MFD4550	Research Methodology	Core Course	4	0	0	4	30	70	100
2	MFD4551	Dissertation	Research Skill	0	0	0	12	200	100	300
3	MFD4552	Designing Home Textiles	EEC	0	0	4	2	15	35	50
Discipline Elective-III (Select any one from the following)										
4	MFD4553	Textile Ecology	Discipline Elective Course	2	0	0	2	15	35	50
5	MFD4554	Art Historical Research Methods								
Total				8	0	4	22	275	275	550
Grand Total				56	0	44	90	770	1430	2200

Semester-I

Course Content: : History of Fashion	L	T	P	Cr.
Course Code: MFA 1400	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Develop understanding of different types of costumes of states, according to their cultural values.
2. Learn about fabrics, techniques and drapes of different eras.
3. Advance understanding between longer term patterns and repetitive trends.
4. Relate social influences which have historically affected fashion.
5. Specification significant historic fabrics from early civilization.

Course Content**UNIT I****13 hours**

Introduction of History of Fashion. Source of Information. Factors effecting clothing, Changing scenario of Indian costumes, Costumes and fashions in the Mohenjo-Daro period, Influence of British rule on Indian fashion in 1920, Charleston era of lace, satin and silk.

UNIT II**17 hours**

History dropped costumes, Indian Costumes, Ancient near east costumes, Egyptian costumes, Greek costumes, Roman costumes, French costumes, Italian costumes, Influence of History dropped costumes , Indian world costumes Vedic, khushan, Gupta, Rajput, Mugal, Indo-persion.

UNIT III**14 hours**

Independence movement and its influence on Fashion, Post-independence era and Fashion, Industrial revaluation – Mechanical inventions during of revaluation – influence of Industrial revolution on India.

UNIT IV**16 hours**

Traditional costumes of the people of India – State wise (Male& Female), Jammu Kashmir, Himachal Pradesh, Punjab, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Evolution of modern Indian Fashion, Films & Fashion.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, and Cooperative Learning

Suggested Reading

Sodhia Manmeet, 2015 *History of Fashion*, Kalyani Publisher

Course Content: : Advance Drafting and Pattern Making	L	T	P	Cr.
Course Code: MFD 1401	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Accurately measure and draft patterns suited to various body types.
2. Construct and fit garments that enhance and flatter different body shapes.
3. Apply styling and draping techniques to create visually appealing silhouettes.
4. Design inclusive fashion that caters to a diverse range of body shapes and sizes.
5. Present and document the design process through sketches, prototypes, and presentations.

Course Content**Unit-I****16hours**

Body Measurement and Pattern Drafting: Techniques for accurate body measurements, Drafting basic blocks: bodice, skirt, and sleeve, creating patterns tailored to different body types, Adjusting patterns for fit and comfort.

Unit-II**16hours**

Garment Construction and Fitting: Sewing techniques for various fabrics, constructing garments based on drafted patterns, Fitting garments on dress forms or live models, making necessary adjustments for optimal fit, Finishing techniques: hemming, seam finishing.

Unit-III**15hours****Styling and Draping Techniques**

Understanding the relationship between fabric drape and body shape. Draping fabrics on dress forms to create silhouettes. Styling garments to enhance body proportions. Experimenting with different styles and cuts. Documenting the process through sketches and photographs.

Unit-IV**13hours**

Inclusive Fashion Design: Designing garments for diverse body types: plus-size, petite, tall, and athletic, incorporating adaptive features for accessibility, Selecting appropriate fabrics and trims for inclusivity, creating a mini collection

that caters to various body shapes, presenting designs through mood boards and prototypes.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, and Cooperative Learning

Suggested Reading Books:

- **"Patternmaking for Fashion Design"** – Helen Joseph-Armstrong (2012)
- **"The Art of Fashion Draping"** – Connie Amaden-Crawford (2012)
- **"Fashion Design: The Complete Guide"** – John Hopkins (2015)
- **"Fashion Sketchbook"** – Bina Abling (2004)
- **"The Fashion System"** – Roland Barthes (196
- **"Body Image: Understanding Body Dissatisfaction in Men, Women, and Children"** – Sarah Grogan (2)
- **"Fashion Design: Process, Innovation and Practice"** – Kathryn Mc Kelvey & Janine Munslow (2002)

Course Content: Colour Science and Theory	L	T	P	Cr.
Course Code: MFD 1402	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Demonstrate proficiency in color mixing and creating harmonious color scheme
2. Analyze the psychological and cultural implications of color choices in fashion.
3. Apply color theory principles to fabric selection and garment design.
4. Develop cohesive color palettes for fashion collections.
5. Utilize advanced color techniques and tools in fashion design processes.

Course Content**Unit-I****16hours**

Fundamentals of Color Theory: Introduction to the color wheel: primary, secondary, and tertiary colors, Understanding color dimensions: hue, value, and chroma, Color harmony and schemes: monochromatic, analogous, complementary, triadic, and tetradic, Color contrast: simultaneous, successive, and mixed contrast, Practical exercises: creating color wheels and exploring color harmonies

Unit-II**16hours**

Color Psychology and Symbolism: Psychological effects of colors on emotions and perceptions, Cultural significance and symbolism of colors in fashion, Application of color psychology in fashion design to convey messages and moods, Case studies of color usage in historical and contemporary fashion, Practical exercises: analyzing color choices in fashion collections.

Unit-III**15hours**

Color Application in Fashion Design: Selecting color palettes for different fashion lines and themes, Integrating color into fabric selection and garment construction, Use of color in fashion illustrations and design presentations, Creating mood boards and color boards for design concepts, Practical exercises: developing color schemes for a mini collection.

Unit-IV**13hours**

Advanced Color Techniques and Trends: Exploring seasonal color trends and forecasting, Techniques in dyeing, printing, and surface embellishment to achieve desired color effects, Sustainable practices in color application and material selection, Technological advancements in color matching and digital

design tools, Practical exercises: creating textile samples using various color techniques.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, and Cooperative Learning

Suggested Reading Books:

- **"Colour and Design: A Basic Text"** – Birrel and Verla Leone (Year: 1947)
- **"Foundation of Art & Design"** – Bhatt Pranav & Goenka Shanita (Year: 1990)
- **"Principles of Colour and Colour Mixing"** – Bustanoby J.H. (Year: 1947)
- **"Elements of Fashion and Apparel Design"** – Sumathi G.J. (Year: 2002)
- **"Fashion Source Book"** – Kathryn McKelvey (Year: 1996)
- **"Contemporary Clothing"** – Lyle, Dorothy S. (Year: 1983)
- **"Design Concepts"** – Mills J. & Smith K. (Year: 1984)

Course Content: Apparel Brand Management	L	T	P	Cr.
Course Code: MFD 1403	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Understand the fundamental concepts and evolution of brand management in the apparel industry.
2. Analyze customer-based brand equity and apply models to assess brand strength.
3. Develop strategies for brand identity, positioning, and value creation.
4. Implement effective brand elements and leverage brand knowledge to enhance brand equity.
5. Evaluate brand performance and devise strategies for global branding and luxury brand management.

Course Content**Unit-I****16 hours**

Introduction to Brand Management, Definition and evolution of brands, Functions and roles of brands in the apparel industry, branding strategies: goods, services, people, organizations, retail stores, places, online platforms, entertainment, and ideas.

Unit-II**16hours**

Customer-Based Brand Equity (CBBE), Understanding Customer-Based Brand Equity, David Aaker's Brand Equity Model: brand resonance, judgments, feelings, performance, imagery, and salience, Brand identity and positioning: definitions, dimensions, and strategies, Brand value: core values, mantras, and internal branding.

Unit-III**15hours**

Brand Elements and Leveraging Brand Knowledge, Criteria for choosing brand elements: brand name, logos, symbols, characters, slogans, and packaging, Tactics for brand elements: awareness, associations, and benefits, Leveraging brand knowledge: dimensions and Processes. Secondary brand knowledge: conceptualizing the leverage process.

Unit-IV**13hours**

Brand Performance, Global Branding, and Luxury Brand Management, Measuring and interpreting brand performance, Brand value chain: designing

tracking studies and establishing equity management systems, Global branding: geographic extension, opportunities, barriers, and strategies, Luxury brand management: definition, psychological phenomena, marketing mix, and international markets, Case studies on global and luxury apparel brands.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, and Cooperative Learning

Suggested Reading Books:

- **"Brand Management: The Indian Context"** – Y. L. R. Moorthi (2002)
- **"Strategic Brand Management"** – Jean-Noël Kapferer (2012)
- **"Brand Imitations"** – Dr. S. Kaplan & Dr. S. Pandey (2004)
- **"Brand Management"** – Harish V. Verma (2nd Edition, 2006)
- **"Compendium Brand Management"** – Chunnawalla (2003)
- **"Managing Indian Brands"** – S. Ramesh Kumar (2004)
- **"Creating Powerful Brands"** – Kevin Lane Keller (2003)

Course Content: Sketching & Illustration-Lab	L	T	P	Cr.
Course Code: MFD 1403	0	0	8	4

Total Hours: 30**Learning Outcomes:**

After completion of this course, the learner will be able to:

1. Recall and identify basic terminology related to design sketching, such as line weight, perspective, and shading.
2. Interpret design briefs or concepts and translate them into visual sketches.
3. Apply knowledge of sketching techniques to create sketches that accurately represent design concepts and ideas.
4. Assess the effectiveness of design sketches in communicating design ideas, aesthetics, and functionality.

Course Content**UNIT- I****13 hours**

Fashion figure - 8½, 10 and 12 heads, front, back and ¾ profiles. Face analysis. Figure analysis.

UNIT -II**16 hours**

Draw features of eyes, nose, ear, lips, face, hands, arms, feet, legs and hairstyles. Body line reading through different poses. Make stick figures in different poses.

UNIT -III**15 hours**

Make geometric designs. Fleshing on block figures. Illustrate a figure using texture in the garment.

UNIT IV**16 hours**

Stippling and Hatching., Detail in study of light and shade of different types of folds, gathers and shape of fabric in dresses.

Transaction Mode

Team Teaching , Video Based Teaching , Question , Group Discussion, Project based Learning.

Suggested Readings:

- *Mullick, LataPrem, 2010 Garment Construction Skills, Kalyani Publishers, New Delhi*
- *Hilde Jaffe and Nurie Relis, 2011 Draping for Fashion Design, Prentice Hall Crawford*
- *Amaden, The Art of Fashion Draping, Fairchild Publishers*

Course Title:- INTRODUCTION TO INDIAN KNOWLEDGE SYSTEMS	L	T	P	Credits
Course Code: IKS0021	4	0	0	4

Total Hours: 60**Course Objective:**

1. To introduce briefly different areas of IKS to the students including research methods.
2. To give a brief overview of selected areas of IKS, astronomy, literature and arts, agriculture-food and Ayurveda, architecture and civil engineering.

Learning Outcome:

1. Students understand the various pramanas used in Indian Knowledge System.
2. They have been introduced to some fields of IKS like Astronomy, Arts, Ayurveda and Architecture.
3. They can explore the different fields of study in IKS further with the references and the resources provided during the course.
4. Gain a foundational understanding of the diverse disciplines within the Indian Knowledge Systems, including their philosophical underpinnings, historical development, and relevance to contemporary knowledge and practice.

Course Content**Unit-I****8 Hours**

Astronomy and Mathematics: Introduction to various fields in traditional Indian Knowledge system. Methods and sources. Ancient Indian Observational astronomy. Foundation concepts - nakṣatra, graha, time units, phenomena like meteors, eclipses. Mathematical thinking - numerical and spatial thinking, śulbasūtra, zero, sundials, water clock, time measurement.

Unit – II:**7 Hours**

Language, Literature and Art: Formation of words in saṃskṛta and some ideas from Pāṇini and Patañjali. Technical words and examples of their usage. Music Vedic chants, sāma, some concepts in ancient treatises like nāradyāśikṣā nāṭyaśāstra. Basics of related concepts like dance, meter and rasa in poetry.

Unit – III:**8 Hours**

Earth and Atmosphere: Anomalous phenomena, Earthquakes, clouds, rainfall, soil, agriculture and food science.

Material science : Knowledge and use of various materials in āyurveda, rasaśāstra and vāstuvidyā.

Unit – IV:**7 Hours**

Architecture and Civil Engineering: Sindhu-Sarasvatī cities, description in purāṇa, arthaśāstra. A glance at select texts like nāradaśilpa, mayamata, mānasāra.

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment

Suggested Readings

- Dikshit, S. B. (1969, 1981). *Bharatiya Jyotish Sastra (in Marathi)* Poona (1896). (Transl. RV Vaidya, Vol.1). New Delhi: Government of India Press.
- Iyengar, R. N. (2016) *Astronomy in Vedic texts, History of Indian Astronomy, A Handbook - Volume brought out on the occasion of IX International Conference on Oriental Astronomy November 14–18.*
- Iyengar, R. N. (2013). *Parāśara Tantra (Ed. Text, Trans. & Notes)*, Bangalore: Jain University Press.
- Iyengar, R. N.; Sudarshan, H.S. and Anand V (2019). *Vrddhagārgīya Jyotiṣa (Part1). Tattvadīpaḥ, Journal of Academy of Sanskrit Research, Melkote, 25 (1). 60–81.*
- Sastry T.S. K (Ed.). (1984). *Vedāṅga Jyotiṣa of Lagadha, Indian Journal of History of Science, 4) Supplement, 1–74.*
- Sen, S. N., and Shukla, K. S. (Ed.) (2000). *History of Astronomy in India, 2nd Revised Edition. New Delhi: Indian National Science Academy.*
- Thompson R.L. (2007) *The Cosmology of the Bhāgavata Purāṇa (First Indian Edition) MLBD Publn. Delhi.*
- Iyengar, R.N; Kannan K.S; Wakankar S. Y. (2018) *Nārada Śilpaśāstra - Sanskrit Text on Architectural Civil Engineering, Jain University Press.*
- Altekar A.S. (1944) *Education in Ancient India.*
- Radha Kumud Chatterjee (1947) *Ancient Indian Education: Brahmanical and Buddhist*
- Agrawala V.S. (1953) *India as known to Panini.*
- (1990) *Hydrology in Ancient India by National Institute of Hydrology, India.*
- B. Mahadevan, Vinayak Rajat Bhat, Nagendra Pavana (2022) *Introduction to Indian Knowledge System: Concepts and Applications.*
- Ayachit S.M (Tr.) (2002) *Kashyapiyakrishisukti: A Treatise On Agriculture By Kashyapa, Asian Agri-history Foundation.*
- 11. Sadhale, Nalini (Tr.) (1999) *Krishi Parashara (Agriculture by Parashara), Asian Agri-History Foundation*

Semester-II

Course Title: Apparel Production Planning and Costing	L	T	P	Credits
Course Code: MFD2450	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Explain the key functions and processes of apparel production planning and demonstrate an understanding of various production systems used in the apparel industry.
2. Apply production scheduling, line balancing, and work-study techniques to improve efficiency and manage workflow in apparel manufacturing.
3. Analyse and calculate the cost of apparel products by identifying direct and indirect cost components involved in the manufacturing process.
4. Prepare accurate cost sheets and evaluate pricing strategies for both domestic and international apparel markets, including FOB, CIF, and CMT costing methods.
5. Demonstrate the ability to plan and control production operations by integrating knowledge of costing, capacity planning, and quality control to optimize production outcomes.

Course Content**Unit-I****16hours**

Introduction to Apparel Production Planning: Overview of apparel industry and production systems, Types of production systems (Make-to-order, Make-to-stock), Role of production planning and control (PPC), Functions and objectives of production planning, Process flow in apparel manufacturing, Pre-production activities.

Unit-II**16hours**

Production Scheduling and Control: Routing, scheduling, and loading, Line balancing techniques, Work-study and time-study methods, Capacity planning, Bottleneck identification and management, Productivity and efficiency measurements.

Unit-III**13hours**

Introduction to Apparel Costing: Elements of cost: direct and indirect, Types of costing: absorption, marginal, job, and process costing, Cost estimation for different types of garments, Costing procedures in sample and bulk production, Importance of cost control in apparel production.

Unit-IV**15hours**

Garment Costing and Pricing Strategies: Cost sheet preparation: material, labor, overheads, FOB, CIF, CMT, and landed cost concepts, Costing for domestic vs. export markets, Profit margin calculation, Pricing strategies and negotiation, Case studies in real-world costing.

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment.

Suggested Readings:

- Glock, R. E., & Kunz, G. I. **(2005)**
- Mehta, P. V., & Bhardwaj, S. K. **(2006)**

Course Content: : Creativity Advance in Style	L	T	P	Cr.
Course Code: MFD2451	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Demonstrate mastery of stylistic techniques by applying advanced creative strategies to produce original works that reflect a personal and coherent artistic voice.
2. Critically analyze and deconstruct style across a range of professional and historical works, identifying how aesthetic choices contribute to meaning and impact.
3. Experiment confidently with form and medium to extend conventional boundaries, showing innovation in the integration of style and substance.
4. Refine and articulate stylistic intent through self-directed projects, peer critiques, and reflective commentary that demonstrates a mature understanding of the creative process.
5. Synthesize interdisciplinary influences to develop a signature style that is adaptable, conceptually rich, and aligned with contemporary creative practices.

Course Content**Unit-I****16hours**

Foundations of Creativity and Style Evolution: Definition and theories of creativity in fashion, Historical overview of style and fashion movements, Influential designers and style icons, Personal style vs. trend-driven fashion, Inspiration sources: art, culture, history, and nature

Unit-II**16hours**

Advanced Styling Techniques and Visual Communication: Fashion styling types: editorial, personal, commercial, and runway, Mood boards, storyboards, and lookbooks, Styling for body types, themes, and concepts, Styling tools: garments, accessories, props, and makeup, Photography and visual storytelling in styling.

Unit-III**15hours**

Innovation and Creative Processes in Fashion: Design thinking and problem-solving in fashion, Sustainable and experimental fashion approaches, Use of technology in creative styling (AI, AR/VR, 3D rendering), Trend forecasting and

future style directions, Collaborations and cross-disciplinary design (e.g., art, architecture, tech)

Unit-IV

13hours

Styling Projects and Portfolio Development: Creating a fashion styling concept and executing it, Personal branding and signature style development, Presentation skills for creative work, Portfolio creation: layout, photography, and digital presence, Industry practices: working with photographers, designers, and clients.

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment.

Suggested Readings:

- Cameron, J. (2002). *The artist's way: A spiritual path to higher creativity* (10th anniversary ed.). Tarcher/Putnam.
- Koestler, A. (1964). *The act of creation*. Macmillan.
- Hofstadter, D. R. (1995). *Fluid concepts and creative analogies: Computer models of the fundamental mechanisms of thought*. Basic Books.

Course Content: : Fashion Consumer Behavior	L	T	P	Cr.
Course Code: MFD2452	4	0	0	4

Total Outcomes: 60**Learning Outcomes:**

1. Understand key theories of consumer behavior.
2. Identify how psychological factors influence fashion choices.
3. Analyse how social and cultural contexts shape consumer preferences.
4. Evaluate the impact of influencers and peer groups in fashion adoption.
5. Apply research methods to understand fashion consumers.

Course Content**Unit-I****16hours**

Introduction to consumer behaviour: definitions and significance, The fashion consumer: uniqueness and challenges, the decision-making process in fashion purchases, Internal influences: perception, motivation, personality, attitudes

Unit-II**16hours**

Group influences: reference groups, opinion leaders, influencers, Social class and status consumption in fashion, Culture and subculture in fashion behaviour, Fashion trends, symbolism, and lifestyle segmentation

Unit-III**15hours**

Consumer research methods: qualitative and quantitative, Understanding fashion buying habits (fast fashion vs. slow fashion), Role of consumer loyalty and satisfaction in fashion retail, Fashion forecasting and consumer trend analysis

Unit-IV**13hours**

Ethical and sustainable fashion consumption, The impact of digital technologies and e-commerce, Cross-cultural consumer behaviour in global fashion markets, The future of fashion consumption: Gen Z and AI-driven personalization

Transactional Mode

Seminars, Group discussion, Team teaching, Focused group discussion, Assignments, Project-based learning, Simulations, reflection and Self-assessment

Suggested Readings:

- Solomon, M. R., & Rabolt, N. J. (2009). *Consumer behavior in fashion* (2nd ed.). Pearson Education.
- Blackwell, R. D., Miniard, P. W., & Engel, J. F. (2006). *Consumer behavior* (10th ed.). Thomson South-Western.
- Hines, T., & Bruce, M. (2007). *Fashion marketing* (2nd ed.). Elsevier/Butterworth-Heinemann.

Course Content: : Advanced Draping and Pattern Making	L	T	P	Cr.
Course Code: MFD2453	4	0	0	4

Total Hours: 60**Learning Outcomes**

1. Use basic pattern making principles to create design variables.
2. Apply pattern modify principles to create design variations and construct garments.
3. Explore the knowledge related to different fashion components and to create variety of patterns with regard to sleeves and collars.
4. Acknowledge methods of drafting and pattern making.

Course Content**UNIT I****16 hours**

Drafting of Kids -slip and panty and romper, Drafting of frocks (A line, circular, frock with yoke, frock with empire, normal and low waist line), Drafting of skirts-gathered, novelty gathered, two tied, pleated, (knife, box, inverted, sunray, kick), straight, a- line, pegged, tulip, circular, gored, handkerchief, Drafting of a Jumpsuit

UNIT II**15 hours**

Designing of all kinds of casual and formal wear garments for children (romper, frock, Skirt, night suit, sundress, jumpsuit), Paper patterns of all kinds of casual and formal wear garments for children (romper, Frock, skirt, night suit, sundress, jumpsuit), on full scale, with all specifications, Drafting of an Adult bodice block

UNIT III**13hours**

Drafting of adult sleeve and its alterations, Drafting of Women's saree blouse and choli blouse, Drafting of salwar kameez, churidaar pajama, pajama, kalidaar kurta, drafting of Trousers and shirt.

UNIT IV**16 hours**

Designing of all kinds of adult casual and formal wear garments (blouse, top, skirt, salwar suit, night suit, nighty gown, kurta pyjama, trousers), Paper patterns of all kinds of adult casual and formal wear garments (blouse, top, Skirt, salwar suit, night suit, nighty gown, kurta pyjama, trousers), on full scale...

Transaction Mode

Team Teaching, Video Based Teaching , Question , Group Discussion,Project based Learning.

Suggested Reading:

- Mullick, LataPrem, 2010 *Garment Construction Skills*, Kalyani Publishers, New Delhi
- Hilde Jaffe and Nurie Relis,2011 *Draping for Fashion Design*, Prentice Hall Crawford
- Amaden, *The Art of Fashion Draping*, Fairchild Publishers
- Carr Harold & Latham Barbara,2008 *The Technology of Clothing Manufacture*, Oxford

Course Content: : Design Studio	L	T	P	Cr.
Course Code: MFD2454	0	0	8	4

Total Hours: 60**Learning Outcomes:**

1. Apply design thinking principles to generate innovative ideas
2. Conduct research to inform concept development
3. Present early-stage design concepts visually and verbally
4. Experiment with various materials and techniques
5. Document the creative process through journals or portfolios

Course Content**Unit-I****16hours**

Introduction to design studio practice and expectations, Design thinking process: empathize, define, ideate, Research methods and mood board creation, Idea generation techniques (mind mapping, sketching, prototyping)

Unit-II**16hours**

Exploration of materials and their properties, Studio-based experimentation with tools, media, and processes, Sustainability and material innovation, Model-making or mock-up creation (2D or 3D depending on discipline)

Unit-III**13hours**

Critique sessions and feedback incorporation, Iterative design development, Technical drawing, detailing, and refinement of prototypes, User testing, fitting, or simulation (if applicable)

Unit-IV**15hours**

Final design execution and presentation, Preparing work for review, critique, or exhibition, Portfolio and documentation development, Public or class exhibition of final outcomes

Transaction Mode

Team Teaching, Video Based Teaching, Question, Group Discussion, Project based Learning.

Suggested Reading:

- Lawson, B. (2005). *How designers think: The design process demystified* (4th ed.). Architectural Press.

- Schön, D. A. (1983). *The reflective practitioner: How professionals think in action*. Basic Books.
- Lupton, E., & Phillips, J. C. (2015). *Graphic design: The new basics* (2nd ed.). Princeton Architectural Press.

Course Content: : Traditional Embroidery Indian	L	T	P	Cr.
Course Code: MFD2455	0	0	4	2

Total Hours: 30**Learning Outcomes:**

1. Understand the culture of ancient Indian civilization.
2. Learn about the history and evolution of khadi.
3. Learn different types of ornaments of different states, which create Employability.
4. Enhance Skill to Create designs based on the knowledge of historic costumes.

Course Content**UNIT I****7hours**

Samples for Traditional Embroideries, Kantha , Kasuti ,Kashida ,Kutch

UNIT II**7hours**

Chikankari ,hamba Rumal ,Sindhi Phulkari ,Manipuri

UNIT III**8Hours**

A visit to any textile museum / Craft cluster / Craft area. Survey and documentation of the Selected craft situation as it exists and how it has evolved, to study, The textile craft and handicraft of the area in detail, The technicalities as well as the present status of the craft.

UNIT IV**8hours**

Role of designer to uplift the craft Study the consumer choice, the marketing channels and Outlets, Students make a detailed documentation of the implements, materials and process used. They will submit the document in the form of Oral Presentation or Display.

Transaction Mode

Open Talk, Video Based Teaching, Question, Group Discussion, Team Teaching.

Suggested Reading:

- Rustarm; J. Mehta, “Masterpieces of Indian Textiles”, (1970), D.B. Taraporevala Sons & Co.,Pvt.Ltd.
- Joyee Storey, the Thames and Hudson- Manual of Textile Printing.’ (1974),
- Thames and Hudson – London.
- Abraham T.M., Handicraft of India, Graphics Columbia, New Delhi, 1964, Mulk Raj Anand

Semester-III

Course Content: : Fashion Entrepreneurship	L	T	P	Cr.
Course Code: MFD3500	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Understand the fashion entrepreneurship landscape
2. Identify market opportunities and develop creative business ideas
3. Analyse examples of successful fashion entrepreneurs
4. Develop a clear and compelling fashion business concept
5. Build a brand strategy aligned with consumer and market insights

Course Content**Unit-I****16hours**

Definition and scope of entrepreneurship in fashion, Characteristics of successful fashion entrepreneurs, Overview of fashion business models (direct-to-consumer, retail, digital-first), Idea generation and opportunity identification.

Unit-II**16hours**

Crafting a fashion business plan (mission, vision, objectives), Target market and customer profiling, Brand identity: values, storytelling, visual language, Competitive analysis and unique selling proposition (USP).

Unit-III**16hours**

Product development and supply chain basics, Inventory and sourcing considerations for small fashion businesses, Fashion marketing, social media, and influencer strategies, E-commerce platforms and digital sales channels.

Unit-IV**16hours**

Costing, pricing, and funding for fashion ventures, Pitching to investors and creating financial projections, Legal structures, IP, copyright, and trademarks in fashion, Scaling a fashion brand and navigating global markets

Transaction Mode

Team Teaching, Video Based Teaching, Question, Group Discussion,

Project based Learning.

Suggested Reading:

- Lawson, B. (2005). *How designers think: The design process demystified* (4th ed.). Architectural Press.
- Schön, D. A. (1983). *The reflective practitioner: How professionals think in action*. Basic Books.
- Lupton, E., & Phillips, J. C. (2015). *Graphic design: The new basics* (2nd ed.). Princeton Architectural Press.

Course Content: : Apparel Industry, Marketing & Management	L	T	P	Cr.
Course Code: MFD3501	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Impart awareness of quality parameters required for apparel quality products
2. Recognize the importance of labels, its making as well as its connectivity with consumers.
3. Acquaint students with working atmosphere of fashion industry as well as apparel industry
4. Get knowledge about importance of packaging related with fashion industry.

Course Content**UNIT I****15 Hours**

Introduction to Fashion Industry, Indian and Global Fashion Market, Levels of fashion industry- couture, ready to wear, mass production, Organizational set-up of fashion industry the different departments, Personnel and their jobs, Career in fashion industry.

UNIT II**14Hours**

Introduction to Marketing, Nature and Scope of Marketing, the Marketing Concept Market Segmentation, Targeting and Positioning, Strategic Marketing, Fashion market and marketing environment, Fashion marketing planning, Market research.

UNIT III**16 hours**

User's buying behavior, Marketing communication, Management- Concepts, Principles & Characteristics. Advertising, Sales promotion techniques, Exhibitions & sales, fashion shows (concept and presentation skills, publicity Campaigns.)

UNIT IV**15 hours**

Retailing- department stores, apparel specialty stores, discount retailing, Franchise retailing, malls, direct selling, internet selling, and catalogue, selling.

Transaction Mode

Quiz, Video Based Teaching, Question, Group Discussion, Team Teaching, Project Based Learning

Suggested Reading:

- JanaceBubonia ,1996 *Apparel Production Terms & Process*
- Ruth E. Glock ,1999 *Apparel manufacturing-Sewn Product Analysis*,
Grace Publisher Prentice.

Course Content: : Advance Draping Methods	L	T	P	Cr.
Course Code: MFD3501	0	0	8	4

Total Hours: 60**Learning Outcome:**

1. Understand the draping aspects of pattern making.
2. Apply the knowledge of draping in developing patterns and designs by draping.
3. Increase patterns by using the acquired knowledge of patternmaking
4. Recognize pattern making principles to create design variations

Course Contents**UNIT I****16 hours**

Draping of Skirts, Basic Skirt with two darts front and back, A- Line skirt with flair with Drafting and Construction.

UNIT II**15 hours**

Gathered skirt with yoke, Pleated skirt, Circular skirt with Drafting and Construction.

UNIT III**16hours**

Skirt with Frills, Flounces or Ruffles, Draping and stitching any one garment with Drafting and Construction

UNIT IV**13hours**

Draping of Pants, Draping of Bustier with Drafting and Construction.

Transaction Mode

Open talk, Quiz Video Based, Teaching Question, Group Discussion

Suggested Readings:

- Helen Joseph- Armstrong, Draping for Apparel Design, Oct. 1999
Publisher: Fairchild Books
- & Visual.
- Connie Amaden – Crawford, The Art of Fashion Draping, 2nd edition (Oct. 1995) Publisher:

Course Content: : Accessory Designing & Construction	L	T	P	Cr.
Course Code: MFD3503	0	0	4	2

Total Hours: 30**Learning Outcome:**

1. Able to design fashion accessories.
2. Able to construct designed accessories.
3. Know about the materials, Equipment to make the fashion accessories as well as renovate the old Accessories.
4. Knows accessory designers in Turkey and World, provides examples of their designed Products.

Course Content**UNIT I****8 hours**

Fashion accessories, Its types bags, hats/ millinery, gloves, shoes, belts, neckties, scarves, Jewellery, Drafting and Preparation of above mention accessories.

UNIT II**8 hours**

Design and construct jeweler by taking any inspiration, Design and renovate a hand bag according to a particular client.

UNIT III**7 hours**

Design and construct a scarf, Design and construct a head gear.

UNIT IV**7hours**

Design Process and Fabric Embellishment, Accessory Design and Styling.

Transaction Mode

Quiz, Video Based Teaching , Question , Group Discussion ,Team Teaching ,Project Based Learning

Suggested Readings:

- Haper kol., 2005. *Design Accessories*, New Delhi
- Carel Hooper. 2008 *Accessories Studies: An Introduction*.

Course Content: : Fashion and Body Shape	L	T	P	Cr.
Course Code: MFD3504	2	0	0	2

Total Hours: 30**Learning Outcome:**

1. Apply Styling Principles to Enhance Body Shapes:
2. Evaluate the Relationship Between Fashion and Body Image:
3. Design Outfits that Suit Diverse Body Types:
4. Integrate Ethical and Inclusive Practices in Styling:

Course Content**Unit-I****8hours**

Definition of fashion and style, History of fashion in relation to body image, Overview of body types (hourglass, pear, apple, rectangle, inverted triangle, etc.), Cultural and historical influences on beauty standards, Importance of dressing for your body shape.

Unit-II**8hours**

Body measurement techniques, Tools for analyzing body proportions (golden ratio, balance, symmetry), Visual illusions in fashion (lines, colors, prints), Psychological impact of body image in fashion

Unit-III**7hours**

Choosing garments for each body type, Wardrobe staples by shape, Fabric, color, and pattern choices, Common styling mistakes to avoid, Gender and body shape considerations

Unit-IV**7hours**

Designing for real bodies vs. ideal bodies, Plus-size and adaptive fashion, Sustainable and ethical fashion choices, Role of media and influencers, Portfolio presentation on inclusive fashion.

Transaction Mode

Team Teaching, Video Based Teaching, Question, Group Discussion, Project based Learning.

Suggested Reading:

- Lawson, B. (2005). *How designers think: The design process demystified* (4th ed.). Architectural Press.

- Schön, D. A. (1983). *The reflective practitioner: How professionals think in action*. Basic Books.
- Lupton, E., & Phillips, J. C. (2015). *Graphic design: The new basics* (2nd ed.). Princeton Architectural Press.

Course Content: : Textile Studies	L	T	P	Cr.
Course Code: MFD3505	2	0	0	2

Total Hours: 30**Learning Outcome:**

1. Understand the basics of textile fiber& terminology.
2. Differentiate between types of yarn - simple, novelty, textured and blended yarn.
3. Know about the different methods of yarn spinning - mechanical spinning and chemical spinning.
4. Possess skills of fabric construction of basic operations and classification of loom.

Course Content**UNIT I****8 hours**

Introduction to textile fiber & terminology, Classification of fibers based on their source and origin, Primary and secondary properties of textile fibers, Manufacturing and properties (Physical and Chemical) of natural fibers- cotton, linen, Silk, wool, Manufacturing and properties (Physical and Chemical) of manmade fibers- Rayon, Nylon, Polyester, Glass fiber.

UNIT II**8 hours**

Introduction to Yarn- Classification of yarns, Simple yarns- single, multiply and cord yarns, Novelty yarns- slug, spiral, boucle, grenalelle, nub, chenille, Textured yarns- stretch yarns, bulk yarns, and Blended yarns

UNIT III**7 hours**

Different methods of Yarn spinning (mechanical spinning and chemical spinning) Wet, Dry and, Melt spinning, Weaves, Weaving terminology, Classification of weaves-Plain weave- Rib weave, Basket, Twill (right handed twill, left handed twill, even & uneven twill), Satin, Sateen, Decorative weaves- Pile, Double cloth weave leno, Swivel, Tapestry and Dobby And Jacquard weave, Backed fabrics.

UNIT IV**7 hours**

Introduction to fabric construction, Loom its parts & basic operations & classification.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings

1. Corbman. P. B., 1985 *Textiles Fiber to Fabric* Gregg, Mc Graw Hill Book.
2. Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
3. Gioello, Debbie Ann., 1982. *Understandingfabrics from fibers to finished clothes*, Fairchild Publication, New York
4. Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile & their Care*, First Edition, Publisher: Pardeep, Jalandhar

Course Content: : Fashion Body Shape(Practical)	L	T	P	Cr.
Course Code: MFD3506	0	0	4	2

Total Hours: 30**Learning Outcome:**

5. Apply Styling Principles to Enhance Body Shapes:
6. Evaluate the Relationship Between Fashion and Body Image:
7. Design Outfits that Suit Diverse Body Types:
8. Integrate Ethical and Inclusive Practices in Styling:

Course Content**Unit-I****8hours**

Learn and practice body measurement techniques (bust, waist, hips, etc.), Use measurement data to determine common body shapes, Create personalized body shape charts or profiles, Practice using dress forms and mannequins to observe proportions

Unit-II**8hours**

Dress models or mannequins based on assigned body shapes, Practice choosing silhouettes, necklines, and garment lengths, Mix and match clothing pieces to balance proportions, Use accessories to shift visual focus (belts, scarves, jewellery)

Unit-III**7hours**

Experiment with different fabrics on models to see drape and fit, Analyze how prints, colors, and textures affect body shape perception, Create swatch boards based on body shape guidelines, Alter garments to better suit a specific shape (e.g., pinning, belting, tucking)

Unit-IV**7hours**

Group project: Develop a small capsule collection for 3–5 different body types, Styling photoshoot or presentation with live models or mannequins, Prepare style guides or look books explaining choices, Peer critique and presentation of inclusive styling outcomes.

Transaction Mode

Team Teaching, Video Based Teaching, Question, Group Discussion, Project based Learning.

Suggested Reading:

9. Lawson, B. (2005). *How designers think: The design process demystified* (4th ed.). Architectural Press.
10. Schön, D. A. (1983). *The reflective practitioner: How professionals think in action*. Basic Books.
11. Lupton, E., & Phillips, J. C. (2015). *Graphic design: The new basics* (2nd ed.). Princeton Architectural Press.

Course Content: : Textile Studies (Practical)	L	T	P	Cr.
Course Code: MFD3507	0	0	4	2

Total Hours: 30**Learning Outcome:**

1. Understand the basics of textile fiber& terminology.
2. Differentiate between types of yarn - simple, novelty, textured and blended yarn.
3. Know about the different methods of yarn spinning - mechanical spinning and chemical spinning.
4. Possess skills of fabric construction of basic operations and classification of look

Course Content**UNIT I****8hours**

Fiber identification- Visual, burning, Identification of blends, Identification of weaves.

UNIT II**8Hours**

Identification of types of yarn, Fabric count

UNIT III**7Hours**

Evaluation of crimp and twist in yarn, Evaluation of color fastness to washing, ironing, crocking, perspiration and sunlight.

UNIT IV**7Hours**

Types of bleaches and its effect on fabric, Visit to a Textile industry

Transaction Mode

Open Talk, Video Based Teaching, Question, Group Discussion, Team Teaching.

Suggested Reading:

- Rustarm; J. Mehta, "Masterpieces of Indian Textiles", (1970), D.B. Taraporevala Sons & Co., Pvt. Ltd.
- Joyee Storey, the Thames and Hudson- Manual of Textile Printing.' (1974)
- Thames and Hudson – London.

Course Content: : Advance Knitting Technology	L	T	P	Cr.
Course Code: MFD3508	2	0	0	2

Total Hours: 30**Learning Outcomes:**

1. List the basic components of knitting machines and their functions.
2. Summarize the factors that influence knitting quality, including tension, stitch formation, and yarn characteristics.
3. Apply knowledge of knitting machine settings to set up and operate knitting machines for specific knitting tasks.
4. Analyze different types of knit fabrics and structures, identifying their characteristics and potential applications in the textile industry.

Course Content**UNIT I****8 hours**

Knitted garments-introduction, Difference between woven and knitted structures, Classification of knitted garments Weft knitted fabrics- plain, rib, purl, etc.

UNIT II**8 hours**

Warp knitted fabrics- tricot, kitten Rachel, crochet, Milanese knit, and Simplex Other knitted constructions- jacquard, pile, fleece, high pile, terry knit, velour knit.

UNIT III**7 hours**

Fully cut knitted garments- knit type, uses fully fashioned knitted garments- knit type, Uses Integral knitted garments- knit types, uses Cut stitch shaped knitted, garments. – Knit Type, uses, processes involved Seam and stitches used in knitting.

UNIT IV**7 hours**

Machinery used for knitted garments- Flat bed, two-bar warp knitting machine, circular Jacquard knitting machine, circular pile knitting machine. Quality control, Defects in knitted fabrics, Industrial visit.

Transaction Mode

Open talk, Quiz, Video Based Teaching, Question, Group Discussion.

Suggested Readings:

- *Kalyani KVP Singh, 1997 Knitting Technology*
- *Bernard P. Corbman, 2000 Textiles- fiber to fabric, McGraw- Hill.*

Course Content: : Textile Finishes	L	T	P	Cr.
Course Code: MFD3509	2	0	0	2

Total Hours: 30**Learning Outcomes:**

1. Identify and classify various textile finishes used in the apparel and home furnishing industries.
2. Explain the purposes and effects of mechanical, chemical, and special finishes on different fabric types.
3. Differentiate between durable, semi-durable, and temporary finishes, and understand their applications.
4. Demonstrate the application of selected textile finishes through lab-based or simulated practical activities.
5. Evaluate the impact of textile finishing processes on fabric performance, sustainability, and environmental safety.

Course Content**Unit-I****8 Hours**

Definition and importance of textile finishing, Classification of finishes (temporary, durable, semi-durable), Overview of the finishing process in the textile production cycle, Finishing for aesthetics vs. function.

Unit-II**8hours**

Calendering, shearing, napping, sueding, embossing, Heat setting, compacting, and sanforizing, Finishing equipment and machines used in the industry.

Unit-III**7hours**

Basic finishes: scouring, bleaching, mercerizing, Functional finishes: wrinkle resistance, flame retardant, water repellent, antimicrobial, UV protection, Application methods: padding, spraying, coating.

Unit-IV**7hours**

Eco-friendly finishing processes (enzyme finishing, plasma treatment), Nanotechnology in finishing, Regulatory and environmental issues (REACH, OEKO-TEX, ZDHC), Future trends: biodegradable and smart finishes

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings

- Corbman. P. B., 1985 *Textiles Fiber to Fabric Gregg*, Mc Graw Hill Book.
- Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
- Gioello, Debbie Ann., 1982. *Understandingfabrics from fibers to finished clothes*, Fairchild Publication, New York
- Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile & their Care*, First Edition, Publisher: Pardeep, Jalandhar

Course Content: : Advance Knitting Technology (Practical)	L	T	P	Cr.
Course Code: MFD3510	0	0	4	2

Total Hours: 30**Learning Outcomes:**

1. List the basic components of knitting machines and their functions.
2. Summarize the factors that influence knitting quality, including tension, stitch formation, and yarn characteristics.
3. Apply knowledge of knitting machine settings to set up and operate knitting machines for specific knitting tasks.
4. Analyze different types of knit fabrics and structures, identifying their characteristics and potential applications in the textile industry.

Course Content**Unit-I****8 Hours**

Operation and maintenance of circular knitting machines (single jersey, double jersey), Knitting advanced structures: pique, rib, interlock, jacquard, Machine settings for different GSM and fabric properties, Yarn feeding systems and tension control

Unit-II**8hours**

Introduction to computerized flatbed knitting machines (e.g., Stoll, Shima Seiki), Programming and operating software for pattern creation, Knitwear shaping: fully fashioned garments, collars, and plackets, Stitch variation: tuck, float, and transfer stitches

Unit-III**7hours**

Overview of warp knitting machines (Tricot, Raschel), Practical differentiation of warp vs. weft knit structures, Knitting technical textiles (mesh, lace, spacer fabrics), Warp knitting defects and troubleshooting

Unit-IV**7hours**

Inspection of knitted fabric for common defects (needle lines, sinker marks, drop stitches), Testing fabric parameters: GSM, shrinkage, spirality, bursting strength, Finishing techniques for knitted fabrics, Documentation and reporting of production efficiency

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings

- Corbman. P. B., 1985 *Textiles Fiber to Fabric Gregg*, Mc Graw Hill Book.
- Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
- Gioello, Debbie Ann., 1982. *Understandingfabrics from fibers to finished clothes*, Fairchild Publication, New York.
- Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile & their Care*, First Edition, Publisher: Pardeep, Jalandhar

Course Content: : Textile Finishes (Practical)	L	T	P	Cr.
Course Code: MFD3511	0	0	4	2

Total Hours: 30**Learning Outcomes:**

1. Identify and classify various textile finishes used in the apparel and home furnishing industries.
2. Explain the purposes and effects of mechanical, chemical, and special finishes on different fabric types.
3. Differentiate between durable, semi-durable, and temporary finishes, and understand their applications.
4. Demonstrate the application of selected textile finishes through lab-based or simulated practical activities.
5. Evaluate the impact of textile finishing processes on fabric performance, sustainability, and environmental safety.

Course Content**Unit-I****8hours**

Fabric preparation processes: desizing, scouring, bleaching, Mercerization process and its effect on fabric, Application of aesthetic finishes: calendaring, brushing, shearing, Observing changes in fabric luster, smoothness, and handle.

Unit-II**8hours**

Application of functional finishes: wrinkle resistance, water repellency, flame retardancy, Techniques: padding, drying, curing, Identification of suitable finishes for different fiber types.

Unit-III**7hours**

Introduction to antimicrobial, UV-protection, and fragrance finishes, Application of enzyme-based bio-finishes, Role of nanotechnology in smart finishes.

Unit-IV**7hours**

Visual and tactile inspection of finish quality. Testing for GSM, stiffness, crease recovery, water repellency, Durability testing: washing and abrasion resistance

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings

- Corbman. P. B., 1985 *Textiles Fiber to Fabric* Gregg, Mc Graw Hill Book.

- Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
- Gioello, Debbie Ann., 1982. *Understandingfabrics from fibers to finished clothes*, Fairchild Publication, New York
- Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile & their Care*, First Edition, Publisher: Pardeep, Jalandhar

Semester-IV

Course Content: Research Methodology	L	T	P	Cr.
Course Code: MFD4550	4	0	0	4

Total Hours: 60**Learning Outcomes:**

1. Recall key research terminology and concepts, such as hypothesis, variable, and sample.
2. Summarize the key components of a research proposal, including research questions, objectives, and hypotheses.
3. Implement ethical considerations in the planning and execution of research projects, ensuring the protection of participants' rights.
4. Formulate and propose a research project that addresses a real-world problem or gap in knowledge, demonstrating creativity and innovation in research planning.

Course Content**UNIT I****17 hours**

Research: its concept, nature, scope, need and Objectives of Research, Research types, Research methodology, Research process – Flow chart, description of various steps, Selection of research problem.

UNIT II**16 hours**

Research Design: Meaning, Objectives and Strategies of research, different research designs, important experimental designs, Methods of Data Collection and Presentation: Types of data collection and classification, Observation method, Interview Method, Collection of data through Questionnaires, Schedules, data analysis and interpretation, editing, coding, content analysis and tabulation

UNIT III**14 hours**

Sampling Methods: Different methods of Sampling : Probability Sampling methods , Random Sampling, Systematic Sampling, Stratified Sampling, Cluster

Sampling and Multistage Sampling. Non probability Sampling methods, Sample size.

UNIT IV

13 hours

Report writing and Presentation: Types of reports, Report Format – Cover page, Introductory page, Text, Bibliography, Appendices, Typing instructions, Oral Presentation

Transaction mode

Quiz, Project Based Learning, Video Based Teaching, Group Discussions, Open Talk

Suggested Readings

- *Panneerselvam, R , 'Research Methodology', PHI, New Delhi.*
- *Cooper, D.R.,Schindler,P.S., 'Business Research Methods,' Tata McGraw Hill*
- *Gupta S P, ' Statistical Methods', Sultan Chand & Sons, Delhi*
- *Geode, Millian J. & Paul K. Hatl, "Methods in Research", McGraw Hills, NewDelhi*
- *Nargundkar R, Marketing Research, Tata McGraw Hill, New Delhi,2002.*
- *Sekran, Uma, "Business Research Method", Miley Education,Singapore*

Course Content: Dissertation	L	T	P	Cr.
Course Code: MFD4551	0	0	0	12

Learning Outcomes:

1. Develop advanced research skills, including literature review, data collection, analysis, and interpretation, to investigate a specific research question or problem.
2. Apply critical thinking and analytical skills to evaluate existing literature, theories, and methodologies, and generate new insights or perspectives within the chosen research area.
3. Analyze effective communication skills by presenting research findings and arguments in a clear, coherent, and well-structured dissertation, adhering to academic writing conventions.
4. Plan, manage, and execute an independent research project, demonstrating self-motivation, time management, and organizational skills throughout the dissertation process.

Course Content

The Dissertation course is designed to provide students with comprehensive guidance and support throughout the process of conducting independent research and writing a dissertation. Through this course, students will acquire advanced research skills, develop critical analysis abilities, and effectively communicate their research findings. The course will emphasize the importance of independent project management and provide extensive guidance on research methodologies, data analysis techniques, and academic writing conventions.

Transaction Mode

Field work, Mentoring, Discussion

Course Content: Designing Home Textiles	L	T	P	Cr.
Course Code: MFD4552	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Identify and classify various types of home textiles and their uses in interior environments.
2. Understand and apply design principles such as color theory, texture, and pattern development in home textile products.
3. Create design concepts and prototypes for various home textile items like curtains, cushions, and bed linens.
4. Select suitable fabrics, techniques, and finishes for different functional and aesthetic home textile applications.
5. Evaluate the performance and appeal of home textile products through user needs, durability, and market trends.

Course Content

Unit-I

8hours

Definition and scope of home textiles, Categories: bed linens, curtains, upholstery, table linens, bath textiles, rugs, Market trends and consumer preferences, Functional vs. decorative textiles, Sustainable and smart home textiles

Unit-II

8hours

Principles of design: balance, harmony, emphasis, rhythm, Color theory and its impact in interiors, Pattern development for repeat designs, Fabric selection criteria for home products (durability, comfort, appearance), Digital vs. manual design processes

Unit-III

7hours

Designing and constructing products like cushions, curtains, quilts, and bedspreads, Surface enhancement techniques: printing, embroidery, quilting, appliqué, Functional finishing for home textiles (anti-microbial, stain resistant, fire retardant), Introduction to CAD for home textile layouts

Unit-IV

7hours

Design presentation techniques (digital mockups, sample books), Costing and production planning for small-scale manufacture, Quality control and testing for home textile products, Preparing a home textile design portfolio

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings

- Corbman. P. B., 1985 *Textiles Fiber to Fabric Gregg*, Mc Graw Hill Book.
- Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA

Course Content: Textile Ecology	L	T	P	Cr.
Course Code: MFD4553	2	0	0	2

Total Hours: 30

Learning Outcomes:

1. Understand ecological concerns in textile production and their impact on the environment.
2. Analyze the life cycle of textiles from raw material sourcing to post-consumer waste.
3. Evaluate sustainable practices, certifications, and regulations in the textile industry.
4. Assess the ecological footprint of textile processing, dyes, and finishes.
5. Propose eco-friendly solutions for sustainable textile and apparel production.

Course Content

Unit- I

8hours

Introduction to Textile Ecology

Definition and scope of textile ecology, Environmental impacts of fiber cultivation and textile manufacturing, Air, water, and soil pollution from textile processes, Key ecological indicators and assessment tools

Unit II

8hours

Life Cycle Analysis (LCA) of Textiles

Life cycle stages: fiber production, spinning, weaving/knitting, dyeing, finishing, and disposal, Cradle-to-cradle vs. cradle-to-grave models, Energy and water consumption across textile processes, Eco-impact of synthetic vs. natural fibers.

Unit III

7hours

Eco-Friendly Processes and Innovations

Sustainable fibers: organic cotton, bamboo, hemp, lyocell, recycled fibers, Green chemistry in textile processing, Natural dyes, waterless dyeing, and bio-finishing technologies, Innovations in wastewater treatment and pollution control.

Unit IV

7hours

Environmental Standards, Policies & Global Trends

Global certifications: GOTS, OEKO-TEX, Bluesign, ISO 14001, Indian environmental regulations and textile eco-labels, Circular economy and waste management in textiles, Role of brands, designers, and consumers in sustainable change

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings

- Subramanian Senthilkannan Muthu (Ed.) – *Sustainable Fibres and Textiles*
- Kate Fletcher – *Sustainable Fashion and Textiles: Design Journeys*
- Richard Blackburn – *Sustainable Textiles: Life Cycle and Environmental Impact*
- S. C. Rastogi – *Environmental Biotechnology*
- Roshan Shishoo (Ed.) – *Textiles and the Environment*
- Reports from *Textile Exchange*, *Ellen MacArthur Foundation*, *Greenpeace Detox Campaign*

Course Content: Art Historical Research Methods	L	T	P	Cr.
Course Code: MFD4554	2	0	0	2

Total Hours: 30**Learning Outcomes:**

1. Understand and apply key research methodologies used in the study of art history, including formal analysis, iconography, and contextual approaches.
2. Conduct critical literature reviews and evaluate primary and secondary art historical sources.
3. Develop research questions and construct effective arguments within academic writing in art history.
4. Analyze artworks using interdisciplinary methods, integrating historical, social, and cultural contexts.
5. Present research findings clearly through both written formats and oral presentations, using proper citation and academic conventions.

Course Content

Unit-I

8hours

Overview of key methodologies: formalism, iconology, semiotics, and contextual analysis, Primary vs. secondary sources in art history, Art historical writing and critical reading.

Unit-II

8hours

Archival research: letters, artist statements, catalogues raisonnés, exhibition catalogs, Digital databases and image repositories (e.g., JSTOR, Artstor, museum archives), Citation styles (Chicago Manual of Style preferred in art history), Evaluating the reliability and relevance of sources

Unit-III

7hours

Developing research questions and thesis statements Comparative visual analysis, Thematic approaches (e.g., gender, race, politics, patronage), Interdisciplinary methods: anthropology, sociology, psychoanalysis

Unit-IV

7hours

Structuring a research paper in art history, Academic writing: clarity, tone, argumentation, Visual presentation skills: using images in presentations and papers, Ethics in research and image use

Transaction mode

Quiz, Project Based Learning, Video Based Teaching, Group Discussions, Open Talk

Suggested Readings

- Panneerselvam, R , 'Research Methodology', PHI, New Delhi.

- *Cooper, D.R.,Schindler,P.S., 'Business Research Methods,' Tata McGraw Hill*
- *Gupta S P, ' Statistical Methods', Sultan Chand & Sons, Delhi*
- *Geode, Millian J. & Paul K. Hatl, "Methods in Research", McGraw Hills, NewDelhi*
- *Nargundkar R, Marketing Research, Tata McGraw Hill, New Delhi,2002.*
- *Sekran, Uma, "Business Research Method", Miley Education,Singapore*