

Courses of Study

2019-20

Fashion Designing

IILP

School of Fashion Design and Beauty Cosmetology
Department of Fashion Design

M.Sc (Part Time) 2018-19																																													
Semester	Course I				Course II				Course III				Course IV				Course V				Course VI				Course VII				Course VIII				Course IX				L	T	P	C	Contact Hours				
I	PFD101				PFD102				PFD103				PFD104				PFD105				PFD111				PFD112				Code				PFD113												
	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C					
	3	0	0	3	3	0	0	3	3	0	0	3	3	0	0	3	3	0	0	3	3	0	0	3	0	0	4	2	0	0	4	2					0	0	4	2					
	PC				PC				PC				PC				PC				PC				PC								15	0	12	21	27								
RM				TD				AI				FMM				EM				TD				FMT				Seminar I																	
II	PFD201				PFD202				PFD203				PFD204				PFD205				PFD211				PFD212				PFD213																
	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C					
	3	0	0	3	3	0	0	3	3	0	0	3	4	0	0	4	3	0	0	3	0	0	4	2	0	0	4	2					0	0	4	2									
	PC				PC				PC				PCE1				PC				PC				PC				UC								16	0	12	22	28				
HTC				FD				GMT				DE1				IEM				FR				FD				Seminar II																	

School of Fashion Design and Beauty Cosmetology
Department of Fashion Design

M.Sc (Part Time) 2018-19																																																			
Semester	Course I				Course II				Course III				Course IV				Course V				Course VI				Course VII				Course VIII				Course IX				L	T	P	C	Contact Hours										
III	PFD301				PFD302				PFD303				PFD304				PFD311				PFD312				PFD313																										
	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C																			
	3	0	0	3	3	0	0	3	4	0	0	4	3	0	0	3	0	0	8	4	0	0	4	2	0	0	0	2																							
	PC				PC				PCE2				PC				UC				PC				UC																										
FHT				IPR in FA				DEII				FF				Project Stage I				Dissertation				Internship I																											
IV	PFD401				Code				Code				Code				Code								Code								Code																		
	L	T	P	C																																															
	0	0	32	16																													0	0	0																
	UC																																																		
Project Stage II & Viva Voce																																																			

School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year
Course: Research Methodology

Semester: I
Course Code: PFD 101

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab	
3	0	-	3	20	20	10		-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.											

Course Objectives

- 1 To understand the significance of research of research methodology in fashion & apparel designing.
- 2 To understand the types, tools & methods of research and develop the ability to construct data gathering instruments appropriate to the research design.
- 3 To understand and apply the appropriate statistical technique for the measurement scale and design.
- 4 To understand the basic concepts of statistics and probability.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Role of Statistics and Research in fashion & apparel discipline Objectives of Research: Explanation, Control and Prediction. Types of Research: Historical, Survey, Experimental, Case Study, Social Research, Participative Research.	6
2	I	Definition and Identification of a Research Problem: <ul style="list-style-type: none"> Selection of research problem Justification Theory, Hypothesis, Basic Assumptions, Limitations and Delimitations of the problem. 	6
3	I	Theory of Probability: <ul style="list-style-type: none"> Population & Sample Probability Sampling: Systematic Random Sampling, Two Stage and Multi Stage Sampling, Cluster Sampling Non Probability Sampling: Purposive, Quota and Voluntee Sampling/ Snowball Sampling. 	8



4	I	Basic Principles of Research Design: Purpose of research design: Fundamental, applied and action exploratory and descriptive experimental, survey & case study, ex-post facto, Longitudinal & cross sectional.	12
	II	Qualitative Research Methods: <ul style="list-style-type: none"> • Theory and design in qualitative research • Definition & types of qualitative research Methods and techniques of data collection: Informal group discussions, Interviews- Key informants, In-depth interviews, Observations, Social Mapping, Participatory Rapid Assessment, Participatory Learning Assessment. 	
5	I	Data Gathering Instruments: Observation, Questionnaire, Interview, Scaling Methods, Case Study, Home Visits, reliability and validity of measuring instruments.	6
Total No. of Hrs			38

Beyond the Syllabus

Course Outcome

Students should able to

- | | |
|------------|---|
| CO1 | Student will able to understand the use of research methodology in fashion & apparel design. |
| CO2 | Student will able to gather the appropriate data for research. |
| CO3 | Student will be understand the basic principles of design. |
| CO4 | Student will be able to understand basic statistical tools, correlation and regression lines. |
| CO5 | Student will be understand probability theory and its application. |

Recommended Resources

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|------------------------|---|
| Text Books | <ol style="list-style-type: none"> 1. Bhandarkar P.L. and Wilkinson T.S. (2000): Methodology and Techniques of Social Research, Himalaya Publishing House, Mumbai 2. Bhatnagar G.L. (1990): Research Methods and Measurements in Behavioural and Social Sciences, Agri Cole Publishing Academy, New Dehi. 3. Dooley D. (1995): Strategies for Interpreting Qualitative Data: Sage Publications, California. 4. Gay L.R. (1981, 2nd Edition): Common Problems Proper Solutions: Avoiding Errors in Quantitative Research, Beverly Hills, Sage Publications, California. |
| Reference Books | <ol style="list-style-type: none"> 1. Mukherjee R. (1989): The Quality of Life: Valuation in Social Research, Sage Publications, New Delhi. 2. Stranss A And Corbin J. (1990): Basis of Qualitative Research: Grounded Theory Procedures and Techniques, Sage Publications, California |



E-Resources
School of Fashion Designing & Beauty Cosmetology
First Year M.Sc. (Fashion and Apparel Designing) (IILP)
Year: First Year
Course: Textile Design
Semester: I
Course Code: PFD 102

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab
3	-	-	3	20	20	10			100	
Max. Time, End Semester Exam (Theory) -3Hrs.										

Course Objectives

- 1 To develop awareness and appreciation of art & aesthetics in textile.
- 2 To impart creative and technical skills for designing textiles with special emphasis on structural design.
- 3 To impart the knowledge regarding the basic uses of Yarns for various applications.
- 4 To make the students aware about the various advancements in Textile and Fashion Industry.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Sources of inspiration for basic sketching and painting: Nature, Religion, Mythology, Arts & Crafts, Architecture	6
	II	Tools & Equipments : Understanding the tools and equipment and their appropriate use for sketching, painting and achieving textural effect	
2	I	Design Analysis: <ul style="list-style-type: none"> • Structural and applied design variation in fibre, yarn and fabric construction, embroidery, dyeing, printing and finishes • Color theory: light and pigment theory - modification of color - color combination - application of colors - color and weave effects. Stripe & check weave combination. • Principles of Design: Harmony, Balance, Proportion, Rhythm and Emphasis 	6
3	I	Sewing Threads	6



		<ul style="list-style-type: none"> • Introduction of Thread construction, Characteristics of sewing threads, • Thread production methods, Types of thread package, Thread storage & degradation. 	
	I	<p>Yarns for Fashion Applications:</p> <p>1. Fancy yarns</p> <ul style="list-style-type: none"> • Concept of blend spinning. Properties & application of blended yarns. • Introduction to various types of fancy yarns - Slub yarn, multi twist multi count yarn, Crepe yarn, multi component fancy yarn, Rotor and Ring frame slub yarn, Blended Fancy yarns, SIRO, Bobtex etc. • Manufacturing techniques, end use, yarn properties & structure of fancy yarns. <p>2. Hosiery Yarns</p> <ul style="list-style-type: none"> • Requirement of hosiery yarn. Raw material for hosiery yarn, Process sequence & Process parameters to make hosiery yarn form Cotton, Polyester, viscose & their blends. • Properties and end user applications of hosiery yarns 	10
4	I	<p>Advancements in decorative weaving:</p> <ul style="list-style-type: none"> • Air jet Weaving • Water jet Weaving • Multiphase Weaving • Circular Weaving • Tri-axial Weaving 	6
5	I	<p>Textile Design Software: Introduction to the latest software available for textile designing, advancements, advantages of computerized textile design.</p>	6
Total No. of Hrs			40

Course Outcome

Students should able to

CO1	Students will be able to analyse the materials and determine the basic properties.
CO2	Students will be able to determine the structural and applied design variation in fabric & fiber.
CO3	Students will be able to determine the use and application of the various sewing threads.
CO4	Students will be able to determine the manufacturing techniques, end use, yarn properties & structure of fancy yarns.
CO5	Students will be able to determine the recent advancements in the field of textile designing.



Recommended Resources

Text Books

1. Leonard G.Rubin (1976), *The World of Fashion*, Canfield Press, San Fransisco.
2. Thames & Hudson (1994), *Fashion Illustration Today*, Thames & Hudson Ltd. London.
3. Quin, Bradley (2016). *Textile Designer at the Cutting Edge*, McGraw Hill.

Reference Books

1. A.Briggs-Goode and Townsend (2008). *Textile Design- Principles, advances and applications*, Woodhead Publishers
2. Prakash. (2013).*Ethnic Indian Textile Designs*, Deluxe Packaging.

E-Resources



School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Course: Apparel Industry

Semester: I

Course Code: PFD103

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	-	-	3	20	20	10		100		100
Max. Time, End Semester Exam (Theory) -3Hrs.										

Course Objectives

- 1** To develop awareness about the working of apparel industry.
- 2** To impart technical knowledge about various departments of apparel industry.
- 3** To give knowledge about the recent advancement in apparel industry.
- 4** To provide practical based learning to use various methods and machineries in apparel industry.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Introduction to Apparel industry: Classification as per the size, labor etc.	8
	II	Cutting: Importance of cutting, requirements of cutting, production processes in cutting room, planning, spreading, cutting, preparation for sewing.	
2	I	Fusing: Purpose of fusing, the process of fusing, requirement of fusing as per fabric, fusing machinery for garment parts, methods of fusing and quality control in fusing.	8
3	I	Sewing: Classification of stitches & seams, seam defects and stitching defects, feed systems, sewing threads, sewing needles, machinery and equipments.	8
4	I	Pressing & Finishing: Object, classifications, means, components, machinery and equipments, garment finishing and inspection, Quality Standards of some giant retailers, TUV, SGS and ASTM testing standards.	8
5	I	Production technology: Manual systems make through systems, straight line systems, modular production systems, unit production	8



	systems, quick response systems.	
		Total No. of Hrs 40

Course Outcome

Students should able to

- | | |
|------------|---|
| CO1 | Students will be able to determine the differnt departments of the Apparel Industry. |
| CO2 | Students will be able to determine the various functions of the different departments in apparel industry. |
| CO3 | Students will be able to identify the various machineries use for the different functions in apparel industry. |
| CO4 | Students will be able to determine and the various methods and procedures of product development in apparel industry. |
| CO5 | Students will be able to understand the importance of each department and technical aspects. |

RecommendedResources

Text Books

1. Garment technology for fashion designers by Gerry Cooklin.
2. Introduction to clothing manufacturing by Gerry Cooklin.
3. Clothing construction and wardrobe planning by Dora S. Lewin, Mabel Goode
4. Bowers, Manetta Knttunen- The Macmillan Co New York

Reference Books

1. Garment technology by Dr. V. Subramanian – winter school booklets1990
2. The Technology of clothing manufacture, Carr & Latham, Blackwell Publications, 2000.

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Semester: I

Course: Fashion Marketing & Merchandising

Course Code: PFD104

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	-	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) -3Hrs.										

Course Objectives

- 1 To impart knowledge regarding the marketing environment and prevalent merchandising practices.
- 2 To guide the process of product development towards the market need.
- 3 To describe the brand and its importance in relevance to fashion & apparel industry.
- 4 To impart knowledge regarding the promotion and distribution.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Dynamics of Fashion: Fashion Terminology, factors influencing fashion, Origins of fashion, the producers of fashion, profile of the fashion industry.	8
	II	Marketing and Merchandising: Core Concepts, Marketing Mix and marketing environment, Marketing and merchandising environment of India	
2	I	Market Segmentation, Targeting and Positioning (STP): Concepts and methods of market segmentation, needs for positioning, positioning through various means.	6
3	I	Product in relation to Fashion: Classification of fashion, Product life cycle, the process of product development, the making of a brand, branding strategies, Brand management and brand image building.	8
4	I	Promotion and Distribution: Role of promotion, methods of promotion, Advertising, Sales promotion, Personal Selling: Designing and management of different methods of promotion, and their employment in relation to cost effectiveness and product life cycle,	10
	II	Different channels of distribution: selection and management, designing and management of retail outlet	
5	I	Pricing: Principles and methods of pricing, Pricing in relation to product type, product life cycle, distribution outlet etc.	8
	II	Domestic v/s Export market: Principles of marketing and	



	merchandising for the export market.	
		Total No. of Hrs 40

Course Outcome

Students should be able to

- | | |
|------------|---|
| CO1 | Understand the various fashion terminologies and influencing factors in fashion. |
| CO2 | Determine the market segmentation, positioning and targeting. |
| CO3 | Understand the process of product development. |
| CO4 | Understand the various channels of distribution and promotion methods. |
| CO5 | Understand and implement various pricing strategies for various product categories. |

Recommended Resources

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|------------------------|--|
| Text Books | <ol style="list-style-type: none"> 1. Stone (2012), Sample Fashion Merchandising, McGraw Hill. 2. Kotler P. (2016), Marketing Management 3. Frings (2016). <i>Fashion from Concept to Consumer</i> Prentice Hall. |
| Reference Books | <ol style="list-style-type: none"> 1. Sen Gupta, Brand Positioning, Tata McGraw Hill. 2. Oleon Peter, Consumer Behaviour and Marketing strategy, 5th Edition, McGraw Hill. |

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Course: Textile Design

Semester: I

Course Code: PFD111

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	25	-	25	50
Max. Time, End Semester Exam (Theory) -3Hrs.								End Semester Exam (Lab) - 3Hrs.		

Course Objectives

- 1** To develop awareness and appreciation of art & aesthetics in textile.
- 2** To impart creative skills for designing textiles with special emphasis on structural design.
- 3** To impart technical skills for designing of various textile products.
- 4** To give the technical knowledge about the process of designing.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Design Analysis: <ul style="list-style-type: none"> • Structural and applied design variation in fibre, yarn and fabric construction, embroidery, dyeing, printing and finishes. 	8
2	I	Process of Designing: <ul style="list-style-type: none"> • Developing textile motives inspired by: Nature, Religion, Mythology, Arts & Crafts, Architecture applying elements and principles of design • Motif Development: Geometrical, Simplified, Naturalized, Stylized, Abstract and Ornamental • Big and Small Motives: Enlargement and Reduction, Growth of a motif Colour consideration: Colour harmonies and Colour ways 	10
3	I	Creation of Patterns and Designs: <ul style="list-style-type: none"> • Combining Motives: Big & Small and from different sources Placements and repeats for all over patterns. 	6
4	I	Design Creation: <ul style="list-style-type: none"> • Creating designs for 6-8 different fabrics through variation in fibre, yarn and fabric construction techniques. Each design 	8



		would have 3-4 colour ways.	
5	I	Portfolio Development	8
		Total No. of Hrs	40

Course Outcome

Students should able to

CO1	Students will be able to do design analysis for structural and applied design.
CO2	Students will be able to create patterns and designs for various sizes by using different methods.
CO3	Students will be able to analyze the process of designing of textile product with different inspirations.
CO4	Students will be able to develop various motifs for different textile products.
CO4	Students will be able to develop portfolio of textile design.

Recommended Resources

Text Books	<ol style="list-style-type: none"> 1. Leonard G. Rubin (1976), <i>The World of Fashion</i>, Canfield Press, San Fransisco. 2. Thames & Hudson (1994), <i>Fashion Illustration Today</i>, Thames & Hudson Ltd. London.
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Reference Books	<ol style="list-style-type: none"> 1. Quin, Bradley (2016). <i>Textile Designer at the Cutting Edge</i>, McGraw Hill. 2. A. Briggs-Goode and Townsend (2008). <i>Textile Design- Principles, advances and applications</i>, Woodhead Publishers 3. Prakash. (2013). <i>Ethnic Indian Textile Designs</i> Deluxe Packaging
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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Semester: II

Course: Fabric Manipulation Techniques

Course Code: PFD112

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total	
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab	
0	0	4	2	20	20	10		25		25	50
Max. Time, End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) - 3Hrs.		

Course Objectives

- 1** To develop awareness and appreciation of structural art & aesthetics in garments.
- 2** To impart creative skills for designing garments through manipulation of fabric with special emphasis on structural design.
- 3** To impart technical skills in development of fashion product with aesthetic appeal.
- 4** To develop the creativity for designing and development of fashion products.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Preparing Samples for: 1. Controlled Crushing <ul style="list-style-type: none"> • Gathering: Single Edge gathering, Opposite Edge Gathering, All-Sides Gathering • Shirring: Pattern Shirring 	4
2	I	2. Supplementary Fullness <ul style="list-style-type: none"> • Ruffles: Single and Double edged gathered ruffles • Flounces: Circular Flounce, Controlled Flounce • Godets 	6
3	I	3. Systematic Folding <ul style="list-style-type: none"> • Pleating: Flat Pleats, Partial Pleats, Projecting Pleats, Accordion Pleats, Wrinkled Pleating, Double Controlled Pleating • Smocking: English Smocking, Direct Smocking, North American smocking, Italian Smocking • Tucking: Standard Tucks, Curved Tucks, Shell Tucks, 	10

		Contoured Tucks, Slashed Tucks, Cross Stitched Tucks, Cross- Tacked Tucks, Partially Seamed Tucks, Seamless Tucks, Pattern Tucking	
4	I	4. Filled Relieves: <ul style="list-style-type: none"> • Cording: Hand sewn corded quilting, Machine sewn corded Quilting, Surface Cording • Quilting: Hand Quilting, Machine Quilting • Stuffing: Stuffed Quilting, Stuffed Appliqué, Elevated Appliqué Structured Surfaces: Structuring the surfaces using single and double	8
5	I	Creating functional aesthetic articles using all the above techniques	12
Total No. of Hrs			40

Course Outcome

Students should able to

CO1	Identify types of methods used in different sample development.
CO2	Implement the types of methods for creative fashion product.
CO3	Determine the difference between the various structural and aesthetic art used in fashion designing.
CO4	Describe types of folds, fullness etc.
CO5	Develop various types of products by using various fabric manipulation techniques.

Recommended Resources

Text Books	<ol style="list-style-type: none"> 1. The art of Manipulating fabric, Colette Wolff 2. Andrew Ann, Smocking, London Merchurs Press
Reference Books	<ol style="list-style-type: none"> 1. The art of Sewing: Time life books, NewyorkThe complete guide to needle work techniques and Materials, 2. Mary Gostelow, Quill Publishing Ltd; London

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Semester: II

Course: Historic Textiles & Costume

Course Code: PFD201

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total	
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab	
3	0	0	3	20	20	10			100		100
Max. Time,End Semester Exam (Theory) -3Hrs.											

Course Objectives

- 1** To enable students to gain knowledge on historic textiles and costume of different countries.
- 2** To impart knowledge on historic textiles and costumes of India.
- 3** To impart knowledge on embroideries of different states of India.
- 4** To impart the knowledge about the Indian traditional and contemporary Jewellery

Course Content

Unit No.	Module No.	Content	Hours
1	I	Introduction to Historic Textiles: <ul style="list-style-type: none"> • Textiles and costumes, Dress, Social significance of dress • Costumes of ancient civilizations- Egypt, Asia Minor, Rome, Greece, Arabia, Babylon, Byzantine. 	6
2	I	Indian Textiles and Costume: <ul style="list-style-type: none"> • Background of Indian Textiles, Ancient Indian costumes, Indus valley civilization and Vedic age • Middle ages- Mauryan, Gupta, Satavahana, Kushans • Dress during Mughal period, Description of foreign travellers, Mughal interest, and Costumes of Hindu kingdom during Muslim period. 	5
3	I	Indian Traditional Costume: <ul style="list-style-type: none"> • Traditional Costumes of different states of India. Costumes of Maharashtra, Costumes of Punjab, Costumes of Jammu Kashmir, Costumes of Karnataka, Costumes of Rajasthan, Costumes of Gujarat etc.	5
4	I	Indian Embroidery: <ul style="list-style-type: none"> • The technique of Indian embroideries with relation to stitches, color, motifs- Kasuthi, Chambarumal, Phulkari, Kashida, Kantha, Chikankari, Sindh, Kutch and Kathiawar, Gold and 	6

		Silver tribal embroideries	
5	I	Indian Jewellery: <ul style="list-style-type: none"> Indian ornaments- Origin & growth, Prehistoric, Vedic and Epic period Tribal Jewellery, Folk Jewellery Conventional and Contemporary Jewellery- Evolving trends 	6
Total No. of Hrs			56

Course Outcome

Students should able to

- | | |
|------------|--|
| CO1 | Students will be able to identify the world costume. |
| CO2 | Students will be able to identify types of costumes worn at various states of India. |
| CO3 | Students will be able to determine the various costumes worn in Indian history. |
| CO4 | Students will be able to identify various Indian embroidery and its motifs. |
| CO5 | Students will be able to differentiate between the various types of Jewellery. |

Recommended Resources

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|------------------------|--|
| Text Books | <ol style="list-style-type: none"> Black T.A and Radge C., (1985), History of Fashion, Orbis Publishing, London. Donger kerry K.S., The Indian Textile, New Delhi. Ewing Elizabeth, (2001). History of 20th Century Fashion, Chrysalis Book group, London. Kohler Carl, (1963), The History of Costume, Dover Publishing Inc; New York Kuamr Ritu, (1999), Costumes and Textiles of Royal India, Christies Book Ltd; London. Lester K.T., (1961), Historic Costumes, Chas and Bennet and Co.Inc., Illinois. |
| Reference Books | <ol style="list-style-type: none"> Naik D Shylaja, (1996), <i>Traditional Embroideries of India</i>, APH Publishing Corporation, New Delhi. Ghurye G.S., (1966). <i>Indian Costumes</i>, Popular Prakashan, Bombay Dr. Karan Singh, (1985). <i>Textiles of Ancient India</i>, Orbis Publishing Ltd; USA. |

E-Resources



School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Semester: II

Course: Fashion Draping

Course Code: PFD202

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab	
3	1	-	4	20	20	10		-	100	-	100
Max. Time, End Semester Exam (Theory) -3Hrs.											

Course Objectives

- 1 To impart knowledge regarding the draping method of pattern making.
- 2 To impart the difference between drafting and draping methods.
- 3 To understand the various tools, terminology and principles used in draping.
- 4 To impart knowledge regarding the advanced draping techniques.

Course Content			
Unit No.	Module No.	Content	Hours
1	I	Introduction: <ul style="list-style-type: none"> • Introduction to draping. • Tools & equipments used in draping. 	6
2	I	Draping Terminology - <ul style="list-style-type: none"> • Apex, Balance, Plumb line, Truing, Blocking, Blending, Princess Line, Clipping and marking. 	8
3	I	Principles: <ul style="list-style-type: none"> • Principles of Draping, Fitting Methods. 	8
4	I	Basic Draping Techniques- <ul style="list-style-type: none"> • Bodice Front, Bodice Back, Basic Skirt, Dart Manipulation Techniques 	8
5	I	Advanced Draping Techniques- <ul style="list-style-type: none"> • Dresses-Bias, Princess line, neckline -Cowl, collar- mandarin, Peter Pan, Sleeves, and Yokes –Shoulder, Midriff, Hip line. 	10
Total No. of Hrs			40

Course Outcome

Students should able to

- | | |
|------------|---|
| CO1 | Students will understand the basic concept of draping. |
| CO2 | Students will be able to differentiate the drafting and draping. |
| CO3 | Students will be able to apply the various draping techniques. |
| CO4 | Students will be able to implement the principles of draping and various methods. |

Recommended Resources

- | | |
|------------------------|---|
| Text Books | <ol style="list-style-type: none">1. Connie Amaden-Crawford, (2012), The Art of Fashion Draping, Bloomsbury Academy2. Antonio Donnanno, (2017), Fashion Pattern Making Techniques, Promopress3. Helen Joseph- Armstrong, (2013), Draping for Apparel Design4. Hilde Jaffe, Nurie Relis, (2005), Draping for Fashion Design, Pearson, Prentice Hall |
| Reference Books | <ol style="list-style-type: none">1. Connie Amaden Crawford, The Art of Fashion and Design, Fairchild Publications2. Abling, Bina and Maggio, Kathleen, Integrating Draping, Drafting and Drawing, Fairchild Books, Inc. |
| E-Resources | |

Year: First Year

Semester: II

Course: Garment Manufacturing Technology

Course Code: PFD203

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total	
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab	
3	0	0	3	20	20	10			100	-	100
Max. Time, End Semester Exam (Theory) -3Hrs.											

Course Objectives

- 1 To introduce various departments of an apparel industry.
- 2 To impart skills in apparel production in an Industrial set-up.
- 3 To introduce various machineries used in apparel industry in different departments.
- 4 To impart knowledge about garment technology.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Introduction to Garment Technology: <ul style="list-style-type: none"> • Structures of apparel business, structure of the apparel industry, global apparel manufacturing, Apparel Manufacturing set-ups as per the Product specification. 	8
2	I	Sampling Department:- <ul style="list-style-type: none"> • Importance of sampling department, objectives, types of sample- prototype, fit sample, pp sample, size set, production sample, shipment sample. 	8
3	I	Cutting Department: <ul style="list-style-type: none"> • Machineries, fabric Spreading, pattern laying, marker preparation, sorting, numbering & bundling, fusing department- methods of fusing, fusing machines 	8
4	I	Production Department: <ul style="list-style-type: none"> • Selection of production system- progressive bundle system, unit production system, modular manufacturing, piece work. Production planning, Linear manufacturing process. 	8

5	I	Finishing & Pressing Department: <ul style="list-style-type: none"> Trimming department, Packing department 	8
Total No. of Hrs			40

Beyond the Syllabus

Course Outcome

Students should able to

- | | |
|------------|---|
| CO1 | Student will able to understand basics involved in garment industry. |
| CO2 | Student will able to differentiate various departments of apparel industry. |
| CO3 | Student will be able to understand the working of different departments. |
| CO4 | Student will be able to understand production process. |

Recommended Resources

- | | |
|------------------------|--|
| Text Books | <ol style="list-style-type: none"> Introduction to clothing manufacturing by Gerry Cooklin. Garment technology by Dr. V. Subramanian – winter school booklets 1990 Chutler A J, Introduction to clothing Production Management, Blackwell Science, UK, 1998 Harold Carr & Barbara Latham, the Technology of Clothing Manufacture, Oxford Pub. USA, 1994 Rajesh Bheda, Managing productivity in the Apparel Industry, CBS pub., New Delhi. |
| Reference Books | <ol style="list-style-type: none"> Garment technology by Dr. V. Subramanian – winter school booklets 1990 Rajesh Bheda, Managing productivity in the Apparel Industry, CBS pub., New Delhi. |

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Semester: I

Course: DE-I(Garment Project Planning & Implementation)

Course Code: PFD204A

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
4	-	-	4	20	20	10	-	100	-	100
Max. Time,End Semester Exam - 3Hrs.										

Course Objectives

- 1 To impart knowledge about how to plan a garment unit project.
- 2 To be able to calculate man, machinery and material requirement.
- 3 To be able to plan the layout of the industry as per production system requirement.
- 4 To be able to decide the site and civil constructions for the factory.
- 5 To get the idea of cost of project and various factors influencing overhead charges.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Project Planning & Production Management analysis: Introduction for project planning, Pre requisites, Capital investment required for project, Phases of Capital Budgeting, Difficulties in Capital expenditure, Phases involved. Preparation of organization chart for clothing industry, departments based on quantity of production	8
2	I	Man, Machinery & Material Planning: Types of labours, Calculation of Labour and staff required based on workload consideration. Calculation & Selection of Machines- Selection of no. of machines based on specifications required for the product in Shirts, trousers, knit goods, made-ups, suits, ladies dress material etc. Calculation regarding machinery, work allotment, production rates, Amount of raw material required, Definition and importance of materials handling, functions, principles & methods of materials handling, study & selection of material handling equipments	10
3	I	Layout planning, Logistics in garment manufacturing : Analyze of the planning, Optimization of planning, Risk Analysis Layout aspects of garment unit, symptoms of bad layout, Layout optimization.	8



		Logistics in garment manufacturing	
4	I	<p>Site Selection & Civil Constructions: Selection of site for Garment industry, General location, Actual selection of specific site, Calculation of spatial requirements, factors influencing site selection, Climatic considerations, geo-technical report, bearing pressure etc. General information about textile & garment manufacturing industry centers in India</p> <p>Consideration in building design, size, shape and configuration of building. Architectural & structural aspects of garment unit building. Building morphology, General principles of building construction & building functions, Types of factory buildings, Types of building construction. Material for construction with special reference to walls, roofs, floors, false ceilings, fire resistance, sound proof, etc. Colour schemes for buildings, interior & machinery in garment unit. Cost considerations in building construction, organogram of building construction, Team, Tenders & Contract.</p>	10
5	I	<p>Formulation of Project Report & Techno-Economic Viability: Assumptions, Machinery Organizations, Requirement of Miscellaneous Fixed Assets & Machinery Stores & Spares, Requirement & Calculations related to Electrical Power, Lighting, Water, Steam, Compressed Air, etc.</p> <p>Calculations of cost of project – methods of costing, Means of Finance – Estimates of sales & production – cost of production – working capital requirement – Profitability Projection – Breakeven point – Projected cash flow statements</p>	8
Total No. of Hrs			44

Course Outcome

Students should able to

CO1	Students will be able to plan a garment production unit.
CO2	Students will be able to understand the important aspects of project development.
CO3	Students will be able to determine the important factors in site selection.
CO4	Students will be able to implement the structural aspects of garment unit building.
CO5	Students will be able to estimate the cost of production.



Recommended Resources**Text Books**

1. Jacob Solinger., "Apparel Manufacturing Handbook ", Vannostrand Reinhold Company (1980).
2. Gordana Colovic, "Management of Technology Systems in the Garment Industry", Woodhead Publishing.
3. Bethel, Tann , Atwater and Rung, " Production Control ", McGraw Hill Book Co., New York, (1948)
4. Biegel, John. E., "Production Control ", A Quantitative Approach" Prentice Hall Inc., (1971) 2nd edition.
5. Apple. J. M., "Plant Layout and Materials Handling ", The Ronald Press Co., New York (1950).
6. Textile Project Management by A. Ormerod, The Textile Institute Publication.
7. Goal Directed Project Management by E.S. Andersen, K.V. Grude & Tore Hang, Coopers & Cybrant Publication.

Reference Books

1. Project, Planning Analysis, Selection Implementation & Review by Prasanna Chandra, Tata McGraw Hill Publishing Co. Ltd.,
2. Management of Textile Production, A. Ormorod. Newnes – Butter Wortr's Publication.
3. Plant location, Layout & Maintenance by Ruddele Reed.
4. Industrial Organisation & Engg. Economics T.R. Banga & S.C. Sharma, Khanna Publishers, Delhi.
5. Norms for Process Parameters, Productivity etc. NITRA. Trade Literature of Different Machinery Manufacturers.

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Course: DE-I (Sustainable Fashion)

Semester: I

Course Code: PFD204B

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
4	-	-	4	20	20	10	-	100	-	100
Max. Time, End Semester Exam - 3Hrs.										

Course Objectives

- 1 To impart knowledge about Sustainability and need of it in current scenario.
- 2 To analyze and identify eco friendly material, alternatives for carcinogenic fashion.
- 3 To understand various concepts and approaches for ethical fashion.
- 4 To develop conceptual ideas to reuse and upcycle a product to endure its life cycle.

Course Content			
Unit No.	Module No.	Content	Hours
1	I	Introduction to Sustainability: <ul style="list-style-type: none"> Meaning & concept of sustainable fashion, importance and need of sustainability in future market, Approaches towards sustainability, Global Paradigm of green fashion. 	8
2	I	Material Diversity: <ul style="list-style-type: none"> Natural V/S Manmade & Synthetic fibres, Comfort parameters, Eco parameters, new materials for fashion to meet the functional needs. 	8
3	I	Ethical Production: <ul style="list-style-type: none"> Sustainable Design Strategies, need based designing, reducing laundering, Lowering the impact of dying process on environment, Zero-Waste design practices, Slowing Fashion, Design endurance, Empathetic Fashion. 	10
	II	<ul style="list-style-type: none"> Labour practices awareness- Sweatshops V/S Sweat free factories, Sub contractors and Runaway shops. 	
	III	<ul style="list-style-type: none"> Animal treatment- PETA, Anti fur movement, sustainable alternates for Leather, Fur & Feather- Faux fur Licence & Regulations. 	



4	I	Product Life Cycle: <ul style="list-style-type: none"> Reuse, Repurposed clothing, Remanufactured textiles, Recycling V/S Up-cycling, Economic & Financial Considerations. 	8
5	I	The Future of Sustainable Fashion: <ul style="list-style-type: none"> Developments in sustainable fashion, Sustainable fashion & Green Fashion, The key Issues in preventing change, Producers, Suppliers, Distribution Outlets, Role of retailer in selling Socially Responsible Fashion. 	8
Total No. of Hrs			42

Course Outcome

Students should able to

CO1	Students will be able to understand the importance and need of sustainable fashion.
CO2	Students will be able to differentiate between recycle and upcycle.
CO3	Students will be able to determine the sustainable design strategies.
CO4	Students will able to acquire the knowledge of green fashion.



Recommended Resources

Text Books

1. Sustainable Fashion And Textiles Design Journeys by Kate Fletcher (2008), Routledge Publishers. ISBN: 1844074811.
2. Shaping Sustainable Fashion by Alison Gwilt, Routledge Publications,
3. Sustainable Fashion- Past, Present & Future by Jennifer Farley Gordon & Colleen Hill, Blooms bury Publishers
4. The Sustainable Fashion Handbook by Sandy Black, Thames & Hudson Publishers

Reference Books

1. Textiles & Clothing Sustainability by Subramanian Senthilkannan Muthu, Spinger Publications.
2. A Practical Guide to Sustainable Fashion by Alison Gwilt, Blooms bury Publishers

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Semester: I

Course: DE-I (Current Trends in CAD CAM)

Course Code: PFD204C

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
4	-	-	4	20	20	10	-	100	-	100
Max. Time, End Semester Exam - 3Hrs.										

Course Objectives

- 1** To define the concepts of CAD-CAM and its usage in garment manufacturing.
- 2** To describe the computerized pattern making process.
- 3** To explain the computerized production planning and 3D technology in garment manufacturing
- 4** To explain the latest developments of CAD-CAM in apparel industry.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Introduction: Introduction to CAD and its application in various fields of textiles, apparel and fashion industry. Concepts of CAD / CAM, Usage of CAD/CAM in Garment Manufacturing. Principles of computer graphics, abbreviations and symbols used in CAD systems. Fundamentals of CAD process, Comparison of Manual and CAD systems.	8
2	I	Computerized Design & Pattern Making: Application of computer in fashion sketching and graphics, Hardware and software selection for CAD systems. Method of producing sample production pattern, Computer aided manipulation of pattern pieces to create individual styles, Digitizing a pattern and grading of patterns, Creating marker plan and plotting markers.	8
3	I	3-D Modelling: Intelligent systems - 3D scanning technology, 3D body scanners Imaging techniques for various designs	10



		Automatic Pattern Generation Systems- 2D to 3D conversion technology. Draping 2D patterns on 3D body forms, 3D virtual clothing and simulation software, and Drape evaluation of 3D garment simulation. CAD in fashion photography.	
4	I	MIS (Management Information System) in garments Industry: MRP (Manufacturing Resource Planning) and MRP-II EDI (Electronic data interchange) and RFID (Radio Frequency Identification) in garment technology, OCR (Optical Characteristic Recognition) report and its use Inventory Management- Concept of ERP (Enterprise Resource Planning) - History and evolution of ERP, Benefits and different modules of ERP, Study of ERP Software like Fast react and Stage and their modules, Lead time reduction with software, Future of ERP	10
5	I	CAM (Computer Aided Manufacturing) & CIM (Computer Integrated Manufacturing): Computer controlled machinery for garment manufacturing – Automated layout planning Algorithm for computer produced garment parts Development of robotics for CAM. WIP control using CAM software	8
Total No. of Hrs			44

Course Outcome

Students should able to

CO1	Students will acquire basic knowledge of CAD-CAM.
CO2	Students will be able to determine the 3- D modelling and its use.
CO3	Students will be able to acquire knowledge MIS in garment industry.
CO4	Students will be able to gain the knowledge in recent development of CAD and CAM.



Recommended Resources**Text Books**

1. Winfred Aidrich, "CAD in Clothing and Textiles", Blackwell Science Ltd., 1994.
2. Jinlian Hu, "Computer technology for textiles and apparels" Woodhead publication.
3. Patric Taylor, "Computer in the Fashion Technology", Om Book Service, 1997.
4. Stephen Gray "CAD / CAM in clothing and Textiles ", Gower Publishing, Limited, 1998, ISBN 0-566-07673X.
5. Compilation of papers presented at the Annual world conference Sep 26 - 29, 1984 Hongkong, "Computers in the world of textiles ", The Textile Institute ISBN: 0-0900739-69X
Jacob Solinger, "Apparel Manufacturing Handbooks ", Van no strand and Reinhold Company, 1980,ISBN:0-442-21904-0

Reference Books

1. Patric Taylor, "Computer in the Fashion Technology", Om Book Service, 1997.
2. Stephen Gray "CAD / CAM in clothing and Textiles ", Gower Publishing, Limited, 1998, ISBN 0-566-07673X.

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Course: Fashion Rendering

Semester: I

Course Code: PFD211

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total	
L	T	P	C	CIA-1	CIA-2	CIA-3		Lab	Theory	Lab	
4	-	-	2	20	20	10		25	-	25	50
Max. Time, End Semester Exam - 3Hrs.								End Semester Exam (Lab) - 3Hrs			

Course Objectives

- 1 To impart the basic knowledge about the fashion rendering.
- 2 To impart creative skills for designing and rendering of fashion figure.
- 3 To develop the creativity and its implementation in various aspects of fashion designing..
- 4 To impart the knowledge of rendering of various textures, and flat patterns.

Course Content			
Unit No.	Module No.	Content	Hours
1	I	Study of human body proportions: Drawing of Female Figure: Drawing of 8 head, 10-head and 12-head fashion figures in Stick figure, Bone Structure and Flesh Figure.	8
2	I	Drawing of Male Figure: Drawing of 8 head, 10-head and 12-head fashion figures in Stick figure, Bone Structure and Flesh Figure.	8
3	I	Rendering: Skin Tone and Hairs , Drawing fashion figures from photographs	8
4	I	Rendering of Textures : Cotton, Denim, Chiffon, Satin, Fur, Leather, Lace, Velvet and Net Study of rendering accessories: Hats, Shoes, Scarves, Bags, Belts, Gloves, Sunglasses etc.	8
5	I	Drawing of Flat patterns: Men and Women (Casual Wear, Party Wear, Sports Wear, Ethnic Wear, Formal Wear etc.)	8
Total No. of Hrs			40



Course Outcome

Students should able to

CO1	Students will acquire basic knowledge of fashion drawing.
CO2	Students will be able to draw stylized fashion figure.
CO3	Students will be able to design and illustrate the fashionable garments.
CO4	Students will develop a design with the help of various textures and rendering techniques.

Recommended Resources**Text Books**

1. Bina Abling, (2012), *Fashion Sketchbook*, Bloomsbury Publishing India Private Limited. ISBN: 1609012283.
2. Elisabetta Drudi, (2010), *Figure Drawing for Fashion Design*, The Pepin Press, ISBN: 9054961503.
3. ElisabettaDrudi, (2014), *Figure Drawing for Men's Fashion*, The Pepin Press, ISBN: 9054961554.
4. ElisabettaDrudi, (2008), *Fabric Texture and Patterns*, The Pepin Press. ISBN: 9057681129.
5. Anne Allen and Julian Seaman, (2003), *Fashion Drawing: The basic Principles*, Batsford. ISBN: 0713470968.
6. Kathryn McKelvey and Janine Munslow, (2007), *Illustrating Fashion*, Wiley-Blackwell Publication. ISBN: 1405139528.
7. Steven Stipelman, (2010), *Illustrating Fashion: Concept to Creation*, Fairchild Books, ISBN: 1563678306.

Reference Books

1. Sandra Burke, (2013), *Fashion Artist: Drawing Techniques to Portfolio Presentation* Burke Publishing, ISBN: 0958273383.
2. Patrick John, (1982), *Fashion Design Drawing and Presentation*, Batsford Ltd. ISBN: 0713435194.
3. Patrick John, (1993), *Fashion Design Illustration (Women)*, Batsford Ltd. ISBN: 0713466227
4. Patrick John, (1996), *Fashion Design Illustration (Men)*, Batsford Ltd. ISBN: 0713466235.

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School of Fashion Designing & Beauty Cosmetology

First Year M.Sc. (Fashion and Apparel Designing) (IILP)

Year: First Year

Course: Fashion Draping

Semester: II

Course Code: PFD212

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)				End Semester Examination		Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
4	-	-	2	20	20	10	25	-	25	50
Max. Time, End Semester Exam - 3Hrs.								End Semester Exam (Lab) - 3Hrs		

Course Objectives

- 1 To develop skills and hands on fashion fabrics and draping art.
- 2 To impart creative design ideas with seamless and semi stitched garments
- 3 To impart knowledge regarding the advanced draping techniques.
- 4 To develop the designing skills and creativity.

Course Content

Unit No.	Module No.	Content	Hours
1	I	Draping and stitching One- Piece Cowl Sheath.	8
2	I	Draping and stitching Creative designer top with any of the structural detail.	8
3	I	Draping and stitching Creative designer top developed by dart manipulation through draping.	8
4	I	Draping and stitching designer Skirt.	8
5	I	Practicing Draping for Multi style seamless or semi stitched garment. Practicing Garment styling through instant Draping techniques.	8
Total No. of Hrs			40



Course Outcome**Students should able to**

- | | |
|------------|---|
| CO1 | Students will acquire the knowledge of fashion draping. |
| CO2 | Students will be able to develop creative draped garments. |
| CO3 | Students will be able to implement the principles of draping. |
| CO4 | Students will be able to manipulate and use the various draping techniques. |

Recommended Resources

- | | |
|-------------------|---|
| Text Books | <ol style="list-style-type: none">1. <u>Connie Amaden-Crawford</u>, (2012), <i>The Art of Fashion Draping</i>, Bloomsbury Academy2. Antonio Donnanno, (2017), <i>Fashion Pattern Making Techniques</i>, Promopress3. Helen Joseph- Armstrong, (2013), <i>Draping for Apparel Design</i> |
|-------------------|---|

- | | |
|------------------------|---|
| Reference Books | <ol style="list-style-type: none">1. Hilde Jaffe, Nurie Relis, (2005), <i>Draping for Fashion Design</i>, Pearson, Prentice Hall2. Connie Amaden Crawford, <i>The Art of Fashion and Design</i>, Fairchild Publications
Abling, Bina and Maggio, Kathleen, <i>Integrating Draping, Drafting and Drawing</i>, Fairchild Books, Inc. |
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