

BACHELOR OF SCIENCE
[B.Sc. (Fashion Design)]

COURSE STRUCTURE

INVERTIS UNIVERSITY

INVERTIS VILLAGE, DELHI LUCKNOW HIGHWAY NH-24,
BAREILLY, UTTAR PRADESH PIN - 243 123, INDIA |

B.Sc. Fashion Design Vision and Mission

VISION

To sculpt young minds with design thinking, instill passion and flare for designing and help aspiring students to become successful designers, entrepreneurs, and industry ready professionals.

MISSION

The mission of Fashion, Design and Arts department is to provide education with innovative curriculum, up-to-date technology, pedagogy, industry & foreign collaborations, while pioneering in experimenting and nurturing creativity by incorporating both classic and innovative design concepts.

PROGRAM OUTCOMES (POs):

Program Outcomes		
PO1	Fashion Design knowledge	Apply the knowledge of Pattern making, Fabric science, designing fundamentals, and an Design specialization to the solution of complex Design problems.
PO2	Problem analysis	Identify, formulate, review research, and analyze complex Design problems reaching substantiated conclusions using first principles of, natural. Sciences, and manmade sciences.
PO3	Design / development of solutions	Design solutions for complex design problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems	Use research-based knowledge and research methods including design process, analysis and interpretation of design elements, and synthesis of the information to provide valuable product.
PO5	Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern machineries and digital software including prediction and modeling to complex Designing activities with an understanding of the limitations.
PO6	The Designer and society	Understand the impact of the professional designing solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO7	Environment and sustainability	Apply ethical principles and commit to professional ethics and responsibilities and norms of the Designing practice.
PO8	Ethics	Function effectively as an individual, and as a member or Leader in diverse teams, and in multidisciplinary settings.
PO9	Individual and teamwork	Demonstrate knowledge and understanding of the designing and management principles and apply these to One's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

STUDY AND EVALUATION SCHEME
Bachelor of Science
[B.Sc. (Fashion Design)]
(Effective from Session 2020-2021)

YEAR I, SEMESTER I

COURSE CODE	COURSE TITLE	COURSE CATEGORY	HOURS			EVALUATION SCHEME		SUBJECT TOTAL	CREDIT
			L	T	P	CA	EE		
BFD101	History of Fashion-I	CC	4	0	0	30	70	100	4
BFD102	Fashion Studies	CC	4	0	0	30	70	100	4
BFD151	Basic Drawing & Sketching	GE	0	0	4	15	35	50	2
BFD 152	2D and 3D sketching								
BFD153	Flat Pattern Making-I	CC	0	0	4	15	35	50	2
BFD154	Garment Construction-I	CC	0	0	4	15	35	50	2
BFD155	Fashion Art Illustration-I	SEC	0	2	2	25	50	75	3
BFD156	Elements of Design-I	CC	0	1	2	15	35	50	2
BFD157	Computer Applications	AECC	0	0	2	10	15	25	1
TOTAL			8	3	18	155	345	500	20
L - Lecture, T - Tutorial, P - Practical, CA - Continuous Assessment, EE - End Semester Exam									

Note: CC- Core courses, AECC- Ability enhancement course, SEC-Skill enhancement course, DSE – Discipline specific elective, * GE - Elect any one from the prescribed, DSE -elect any two from the prescribed

L=Lecture, T =Tutorial, P= Practical, CA=Continuous Assessment, EE= End Examination.

YEAR I, SEMESTER II

COURSE CODE	COURSE TITLE	COURSE CATEGORY	HOURS			EVALUATION SCHEME		SUBJECT TOTAL	CREDIT
			L	T	P	CA	EE		
BFD201	History of Fashion-II	CC	4	0	0	30	70	100	4
BFD202	Fundamental of Textiles	CC	4	0	0	30	70	100	4
BFD203	Traditional Indian Textiles	SEC	4	0	0	30	70	100	4
BFD251	Soft Skills	AECC	0	0	2	10	15	25	1
BFD252	Flat Pattern Making-II	CC	0	0	4	15	35	50	2
BFD253	Garment Construction-II	CC	0	0	4	15	35	50	2
BFD254	Elements of Design-II	CC	0	0	2	10	15	25	1
BFD255	Dyeing and Printing	SEC	0	0	2	10	15	25	1
BFD 256	Fashion Vector Graphics	GE	0	0	2	10	15	25	1
BFD 257	Coral draw								
TOTAL			12	0	16	155	345	500	20
L - Lecture, T - Tutorial, P - Practical, CA - Continuous Assessment, EE - End Semester Exam									

Note: CC- Core courses, AECC- Ability enhancement course, SEC-Skill enhancement course, DSE – Discipline specific elective, * GE - Elect any one from the prescribed, DSE -elect any two from the prescribed

L=Lecture, T =Tutorial, P= Practical, CA=Continuous Assessment, EE= End Examination.

YEAR II, SEMESTER III

COURSE CODE	COURSE TITLE	COURSE CATEGORY	HOURS			EVALUATION SCHEME		SUBJECT TOTAL	CREDIT
			L	T	P	CA	EE		
BFD301	Fashion Forecast	CC	4	0	0	30	70	100	4
BFD302	World Art and Culture	AECC	4	0	0	30	70	100	4
BFD303	Entrepreneurship	AECC	4	0	0	30	70	100	4
BFD351	Fashion Art and Design-I	CC	0	0	2	10	15	25	1
BFD352	Advanced Pattern Making-I	CC	0	0	4	15	35	50	2
BFD353	Kid's Wear	SEC	0	0	4	15	35	50	2
BFD354	Fashion Photography	GE	0	0	2	10	15	25	1
BFD355	Photo Editing								
BFD356	Surface Ornamentation	DSE	0	0	2	10	15	25	1
BFD357	World Famous Paintings								
BFD358	Textiles								
BFD359	Digital Design	CC	0	0	2	10	15	25	1
TOTAL			12	0	16	160	340	500	20
L - Lecture, T - Tutorial, P - Practical, CA - Continuous Assessment, EE - End Semester Exam									

Note: CC- Core courses, AECC- Ability enhancement course, SEC-Skill enhancement course, DSE – Discipline specific elective, * GE - Elect any one from the prescribed, DSE -elect any two from the prescribed

L=Lecture, T =Tutorial, P= Practical, CA=Continuous Assessment, EE= End Examination.

YEAR II, SEMESTER IV

COURSE CODE	COURSE TITLE	COURSE CATEGORY	HOURS			EVALUATION SCHEME		SUBJECT TOTAL	CREDIT
			L	T	P	CA	EE		
BFD401	Fashion Marketing and Merchandising	GE	2	0	0	15	35	50	2
BFD402	Apparel Industrial Management								
BFD403	Fabric Studies	DSE	4	0	0	30	70	100	4
BFD404	Fundamentals of Textile Design and Finishes								
BFD405	Textile Science and Care								
BFD406	Industrial Learning and Internship	AECC	4	0	0	30	70	100	4
BFD451	Off Loom Techniques	SEC	0	0	2	10	15	25	1
BFD452	Advanced Pattern Making-II	CC	0	0	4	15	35	50	2
BFD453	Women's Wear	SEC	0	0	4	15	35	50	2
BFD455	Accessory Design	GE	0	0	2	10	15	25	1
BFD456	Jewelry Design								
BFD457	Minor Project	CC	0	2	4	4	30	70	4
TOTAL			10	2	16	155	345	500	20
L - Lecture, T - Tutorial, P - Practical, CA - Continuous Assessment, EE - End Semester Exam									

Note: CC- Core courses, AECC- Ability enhancement course, SEC-Skill enhancement course, DSE – Discipline specific elective, * GE - Elect any one from the prescribed, DSE -elect any two from the prescribed

L=Lecture, T =Tutorial, P= Practical, CA=Continuous Assessment, EE= End Examination.

YEAR III, SEMESTER V

COURSE CODE	COURSE TITLE	COURSE CATEGORY	HOURS			EVALUATION SCHEME		SUBJECT TOTAL	CREDIT
			L	T	P	CA	EE		
BFD501	Visual Merchandising	GE	4	0	0	30	70	100	4
BFD 502	Retail management								
BFD 503	Organizational Behavior	AECC	4	0	0	30	70	100	4
BFD504	Environmental Science	AECC	2	0	0	15	35	50	2
BFD551	Product Development	SEC	0	0	4	15	35	50	2
BFD552	Men's Wear	CC	0	0	4	15	35	50	2
BFD553	Functional Clothing	CC	0	0	4	15	35	50	2
BFD554	Draping Techniques	CC	0	0	4	15	35	50	2
BFD555	Grading	CC	0	0	2	10	15	25	1
BFD556	Summer Internship Report	AECC	0	0	2	10	15	25	1
TOTAL			10	0	20	155	345	500	20
L - Lecture, T - Tutorial, P - Practical, CA - Continuous Assessment, EE - End Semester Exam									

Note: CC- Core courses, AECC- Ability enhancement course, SEC-Skill enhancement course, DSE – Discipline specific elective, * GE - Elect any one from the prescribed, DSE -elect any two from the prescribed

L=Lecture, T =Tutorial, P= Practical, CA=Continuous Assessment, EE= End Examination.

YEAR III, SEMESTER VI

COURSE CODE	COURSE TITLE	COURSE CATEGORY	HOURS			EVALUATION SCHEME		SUBJECT TOTAL	CREDIT
			L	T	P	CA	EE		
BFD651	Graduation Design Collection	CC	0	0	16	50	150	200	8
BFD652	Portfolio	CC	0	1	2	15	35	50	2
BFD653	Material Studies	CC	0	1	2	15	35	50	2
TOTAL			0	2	20	80	220	300	12
L - Lecture, T - Tutorial, P - Practical, CA - Continuous Assessment, EE - End Semester Exam									

Note: CC- Core courses, AECC- Ability enhancement course, SEC-Skill enhancement course, DSE – Discipline specific elective, * GE - Elect any one from the prescribed, DSE -elect any two from the prescribed

L=Lecture, T =Tutorial, P= Practical, CA=Continuous Assessment, EE= End Examination.

B.Sc. (Fashion Design): Semester-III	
BFD 301: FASHION FORECAST	
Teaching Scheme	Examination Scheme
Lectures: 4 hrs/Week	Class Test -12 Marks
Tutorials: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD451 Fashion Art & Design-II, BFD 456 Minor Project, BFD 551 Portfolio Development
BFD 651 Graduation Design Collection

Course Objectives:

1. To explain in detail the importance of concept of fashion forecast
2. To give knowledge of fashion elements that help in creating fashion forecast.
3. To give an overview of different fashion terminology
4. To explain what different factors that affects fashion forecast and how fashion forecasting is done.
5. To give complete knowledge of importance of creative writing
6. To provide knowledge of fashion magazines, sources of design

Detailed Syllabus:

Unit I: Concept of fashion forecasting
Elements of fashion forecasting: Definition, Factors affecting fashion forecasting, Awareness of fashion trends, fairs and international centers, Sources of fashion forecast
Fashion elements: Types of silhouettes, Type of body shapes, Clothing categories for women, men's and children
Unit II: Fashion theories:
Fashion cycle, and theories, terms related to fashion
Study of fashion trends: Source of design, sources of forecasting fashion trends
Fashion forecast magazines: International and Indian fashion magazines
Knowledge of creative writing
Unit III: Interpretation of fashion trends and forecast
Unit IV: Steps in fashion forecasting

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the importance of fashion forecasting for designers, manufacturers, retailers and consumers.
2. Understand the source of design creation and method of fashion forecasting.
3. Understand about the various International and Indian magazine that support relevant data forecasting.
4. Understand the importance of silhouette, body shapes and creativity writing in the field of fashion.
5. Analyze the difference between the clothing categories of women, men and kids.
6. Understand how fashion forecasting is done by forecasters like designers, blogger, models, fashion leaders, celebrities.

Suggested Readings

- McKelvey, K., “Fashion Source Book”, 1996, 1st edition, Wiley-Blackwell.
- Brannon, E. L., “Fashion Forecasting”, 2002.
- Phaidon Editors., “The Fashion Book”.2016. Phaidon Press.
- Ireland, P. J. and Ireland, P., “Introduction to fashion design”, 2003, Batsford.
- Scully, K., and Cobb, D. J. Color Forecasting for Fashion., 2012., Thames & Hudson.
- Tate, S. L., “Inside fashion design” , 1998.,4 th Edition, Longman Pub Group.

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 302: WORLD ART AND CULTURE	
Teaching Scheme	Examination Scheme
Lectures: 4 hrs/Week	Class Test -12 Marks
Tutorials: 0 hr/Week	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD 101/201 History of fashion, BFD102 Fashion studies, BFD 151 Basic Drawing & Sketching, BFD 155 Fashion art and Illustration, BFD156/254 Element of Design, BFD203 Traditional Indian Textile, BFD 351 Fashion art & Design-I, BFD 356 Surface Ornamentation, BFD 357 World Famous painting, BFD 457 Minor Project, BFD 551 Portfolio Development, BFD 651 Graduation Design Collection.

Course Objectives:

1. To give complete knowledge about the world art and their artist.
2. To give knowledge about the elements of art and their uses in our design process.
3. To examine the world art and their techniques used in now days in fashion.
4. To Give knowledge about the Characteristics of different artist and their creation.
5. To give knowledge about the different type of medium and techniques they used in their art form.
6. To give knowledge for preparing the collection or garment with the help of different art form.

Detailed Syllabus:

Unit I: Introduction to the world art and culture
Introduction to the Visual Arts
Elements of art, identification of design principles and elements used by artists
Unit II: Critiquing Art
Definition, benefits, and steps of art critique
Unit III: Prehistoric Art
Prehistoric sculptures, cave paintings
Palaeolithic and Neolithic art, megalith monuments
Unit IV: Ancient Art
Art of ancient Sumerians, Ancient Egyptian, and Ancient Greek
Unit V: Ancient Roman, Early Christian, and Medieval Art
Unit IV: Renaissance art
Characteristics, social factors influencing art, famous works by Leonardo da Vinci, Michelangelo, and Raphael.
Unit VI: American art

Pre-Columbian art, art from major cultural empires in Mesoamerica and South America, including the Olmec, Maya, Aztec, and Inca cultures.

Indigenous art in North America such as beadwork, baskets, and totem poles.

Unit VII: characteristics of Baroque, rococo, neoclassical and Romantic art

Unit VIII: Modern Art

Art movements such as Impressionism, Postimpressionism, Expressionism, and Realism.

Characteristics of Impressionistic and Postimpressionistic art.

Course Outcomes:

After completing the course, the student shall be able to:

1. Develop a detailed knowledge about the different art forms.
2. Enable students to understand the working of artist in different ages or era.
3. Enable students to get inspired with the artist and get the concept to create something new.
4. Enable students to develop new design in form of modal or garment.
5. Develop ability to use element of design in better way.

Suggested Readings

- World Art an Introduction to the Art in Artefacts by Ben Burt.
- History of the world in 1000 objects by Smithsonian
- The Handy art history by Dickerson and Madelynn

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 303: ENTREPRENEURSHIP	
Teaching Scheme	Examination Scheme
Lectures: 4 hrs/Week	Class Test -12 Marks
Tutorials: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD 401 Fashion Marketing and Merchandising, BFD 402 Apparel Industrial Management, BFD 457 Minor Project, BFD 501 Visual Merchandising, BFD 502 Retail Management, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about significance of entrepreneurship.
2. To develop and strengthen entrepreneurial quality and motivation.
3. To give knowledge about entrepreneurial skills and understanding of running business efficiently.
4. To give knowledge about different types of entrepreneurships.
5. To give knowledge about development of business plan for setting up of enterprise.
6. To give knowledge about methods of communication, financing, and accounting.

Detailed Syllabus:

Unit I: Entrepreneurship
Introduction to entrepreneurship, E-entrepreneurship, significance, types, and factors affecting entrepreneurial growth.
Unit II: Growth of entrepreneurship, socio-economic growth, problems, and factors affecting entrepreneurship, emerging concepts in entrepreneurial growth.
Unit III: Communication, importance, barriers, and gateways to communication.
Unit IV: Entrepreneurial venture creation: idea generation, identifying opportunities, preparation of business plan-concepts, scope, significance and elements, marketing plan, venture project formulation, implementation, and evaluation.
Unit V: Financing and accounting: need, sources of finance, management of working capital, costing, break even analysis.
Unit VI: Boutique, Export house, Buying house, Franchiser and partnership procedure.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand and comprehend the concept and elements of business opportunity.
2. Understand about development of viable business plan to start new venture.
3. Understand and develop awareness about entrepreneurship and entrepreneurs.
4. Understand the different types and practices of entrepreneurs in the market.
5. Understand and assess individual strengths and weakness from entrepreneurial perspective.
6. Develop entrepreneurial mindset by learning key skills like creative thinking and communication.

Suggested Readings

- S.S. Khanka, 2013. Entrepreneurship Development, S. Chand and Co Ltd. New Delhi.
- Donald F Kuratko, 2014. Entrepreneurship- Theory, Process and Practice. Cengage Learning.
- Hisrich R.D, Peters M.P. 2013. Entrepreneurship, Tata McGraw-Hill.
- Mathew J Manimala, 2005. Entrepreneurship Theory at Cross Roads: Paradigms and Praxis, Dream Tech.
- Taneja& Gupta, Entrepreneurship Development – New Venture Creation, Galgotia Publishing Company 2001.
- Gundry Lisa K., Entrepreneurship Strategy, SAGE Publications, Inc., 2007.

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 351: FASHION ART AND DESIGN-I	
Teaching Scheme	Examination Scheme
Lectures: 0 hrs/Week	Class Test -4 Marks
Practical: 2	Teachers Assessment – 2 Marks
Credit: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite BFD451 Fashion Art & Design-II, BFD456 Minor Project, BFD651 Graduation Design Collection

Course Objectives:

1. To give an overview knowledge of forecast and trend.
2. To give complete knowledge of market survey.
3. To describe art and designs elements.
4. To give the knowledge of all boards and working on inspirations and theme.
5. To give the knowledge of development of design range.

Detailed Syllabus:

Unit I: Concept Development based on market survey
Development of original design ideas and concepts, using elements and principles of art and design in creating fashion designs as per market survey and trends
Unit II: Design process based on current trend:
Development of boards
Working on theme
Study and application of forecast
Development of design range

Course Learning Outcomes:

After completing the course, the student shall be able to:

1. Understand about the design range.
2. Understand about the work on theme.
3. Figure out the whole concept of market survey.
4. Understand the use elements and principles of art and design.
5. Understand about the knowledge of hand portfolio.
6. Understand the all knowledge of developments of boards.

Suggested Readings

- Fashion Source Book, By Kathryn McKelvey
- The Fashion Book, By Phaidon Editors

B.Sc. (Fashion Design): Semester-III	
BFD 352: ADVANCED PATTERN MAKING-I	
Teaching Scheme	Examination Scheme
Lectures: NIL	Class Test - 6 Marks
Practical: 4	Teachers Assessment – 3 Marks
Credits: 2	Attendance – 6 Marks
	End Semester Exam – 35 marks

Prerequisite: BFD 452 Advance Pattern Making II, BFD 552 Men’s Wear, BFD 456 Minor Project, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about dart manipulation principles.
2. To explain different methods of dart manipulation.
3. To give an overview of how fullness and contouring affects the appearance of dress.
4. To explain the difference between various types of cowls: front, back and armhole.
5. To explain the pattern making procedure for skirt, trousers, dress and their variations.
6. To give knowledge about the incorporation of dart manipulation principle during preparation of final garment.

Detailed Syllabus:

Unit I: Pattern making techniques- Slash and spread technique and pivotal transfer technique; Single dart and double dart pattern
Dart manipulation principles: Dart manipulation, added fullness and Contouring and their application
Unit II: Cowls neck lines
Single drape, double drape, triple drape
Unit III: Garment variations using flat pattern techniques
Skirts variations by using flat pattern technique
One-piece dress variations by using flat pattern technique
Trouser variations by using flat pattern technique
Unit IV: Pattern making of two garments applying dart manipulation principles

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the techniques of single and double dart manipulation.
2. Understand the manufacturing of various types of cowl necklines.
3. Understand about the variation in pattern of different types of skirts.
4. Understand about the pattern in different variation of trousers and one-piece dresses.
5. Analyze the difference between fullness and contouring in garments.
6. Understand that how dart manipulation principles can be applied during garment construction.

Suggested Readings

- Armstrong, H.J., “Pattern making for fashion design”, Pearson, 5th edition 2018.
- Knowles., L. A., “Practical Guide to Patternmaking for Fashion Designers: Juniors, Misses and women”, 2005, Fairchild Books
- Holman, G ., “Pattern cutting made easy: A Step-by-Step Introduction, 2013
- Cooklin, G.,” Pattern cutting for women’s outerwear”, 1994
- Rajput, C., A Professional Approach to Garment Construction and Pattern Making (Fashion Designing), 1st edition, 2001

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 353: KID'S WEAR	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test -6 Marks
Practical: 4	Teachers Assessment – 3 Marks
Credits: 2	Attendance – 6 Marks
	End Semester Exam – 35 marks

Prerequisite: BFD 453 Women's Wear, BFD 456 Minor Project, BFD 552 Men's Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about elements of children clothing.
2. To explain construction of panty and bloomer.
3. To give complete knowledge of construction of one frock with different variation.
4. To give knowledge about construction of romper/ dungaree for children.
5. To give knowledge about construction of skirt/ pants/ legging.
6. To give knowledge about construction of sun suits.

Detailed Syllabus:

Unit I: Introduction of different elements of kids wear
Unit II: Construction of panty and bloomer
Unit III: Construction of any one frock (A line, empire line, with yoke, with gathers, pleated)
Unit IV: Construction of romper/ dungaree
Unit V: Construction of one skirt/ pants/ legging (with any one variation)
Unit VI: Construction of Sun Suits

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the features of kids wear.
2. Understand the importance of manufacturing summer wear like bloomer.
3. Understand the importance of manufacturing winter wear like romper/ dungaree.
4. Understand the importance of manufacturing one skirt/ pants/ legging.
5. Understand the construction of sun suit.
6. Understand the construction features in kid's frock.

Suggested Readings

- Carla Hegeman Crim, 2014. Pattern Making for Kids' Clothes
- matrix pattern making for kids wear
- Winifred Aldrich 1984 Metric Pattern Cutting for Children's Wear and Babywear
- Emma Hardy Making Children's Clothes: 25 Step-by-step Sewing
- Editor of Reader Digest., “A New complete guide to sewing”, 2010
- Mortimer-Dunn, G. Pattern designs for children clothes. 1996. B T Batsford Ltd.
- Armstrong, H.J., “Pattern making for fashion design”, Pearson, 5th edition 2018.

Ebooks:

- Practical Sewing and Dress Making -
- http://brittlebooks.library.illinois.edu/brittlebooks_open/Books200912/allisa0001prasew/
- allisa0001prasew.pdf

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 354: FASHION PHOTOGRAPHY	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test – 4 Marks
Practical: 2	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD456 Minor Project, BFD651 Graduation Design Collection

Course Objectives:

1. To provide the basics knowledge of photography.
2. To give the basic working knowledge of a DSLR camera.
3. Describe the elements of photographic lenses.
4. Explain all accessories of camera.
5. To give the knowledge of indoor and outdoor shoot
6. Describe the types and principles of fashion photography.

Detailed Syllabus:

Unit I: Basics of Photography
Basic working of a DSLR camera, Handling Still Camera, Lenses, Photo films, Black and White, Compositions of films, Camera Angels,
Lenses– controlling the image, Photographic lenses – prime & zoom lens, angle of view (Narrow & Wide Angle Lens), Aperture, Focal No. & Focal Length, Depth of focus, Depth of Field and how they work, Lens care.
Unit II:
Lighting, Equipment's, Focusing Lenses, Multi Camera Techniques, Special effects, learning about Software's, Shooting an outdoor or any monument, Lens perspective, film speed, flash gun, light meter Exposure Measurement of light – exposure metering system, Exposure control – relationship between shutter speed and aperture, Camera accessories: Tripod, monopod, filters, Lens hood.
Unit III:
Shooting of a product by creativity, appropriate background and Composition/ see the colors / Black & White. Outdoor Shoot: using Digital SLR and Mobile camera/developing an idea and practice taking a Photo feature on a specific topic by using self- clicked photographs from Digital Camera, Photographs should be of postcard size. Assignments on various lights effects. Shooting 'Textures' or various kinds of styles to get an idea of overall fashion.
Unit IV: Fashion photography: Principles, types, history and application.
Unit V: Visit to a studio.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand about the knowledge of basic photography.
2. Understand about the working knowledge of DSLR.
3. Understand the knowledge of photography's elements.
4. Understand about the knowledge of advance photography with indoor and outdoor shoot.
5. Understand the knowledge of lenses of photography.
6. Understand about the knowledge types and principles of fashion photography.

Suggested Readings

- Basic Photography — John Hedgecoe. London: Collins & Brown
- The Color Photo Book — Andreas Feininger. New Jersey: Prentice-Hall

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 355: PHOTO EDITING	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test – 4 Marks
Practical: 2	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD456 Minor Project, BFD651 Graduation Design Collection

Course Objectives:

1. To provide the basics knowledge of photo editing.
2. To give the basic working knowledge of photo editing softwares.
3. To impart knowledge about photo editing tools.
4. To impart knowledge of creation of images and graphics in photoshop
5. To give knowledge about colour settings and image proofing
6. Describe the types and principles of photo editing.

Detailed Syllabus:

Unit I: Introduction to photo editing
Editing software, photoshop environment, palettes, creating custom workspaces, setting preferences
Unit II: Basic image manipulation
Bitmap images, vector images, image size and resolution settings, scanning images and placing files
Unit III: Color basics and tools used
Color modes, color mode conversion, painting tools, brush settings, filling and stroking, layers, text, drawing,
Unit IV: Photo correction
Retouching, resolution, filters, retouching and repairing
Unit V: Vector drawing, animating GIF images
Unit VI: Producing and printing consistent color
Reproducing colors, color settings, image proofing and printing

Course Outcomes:

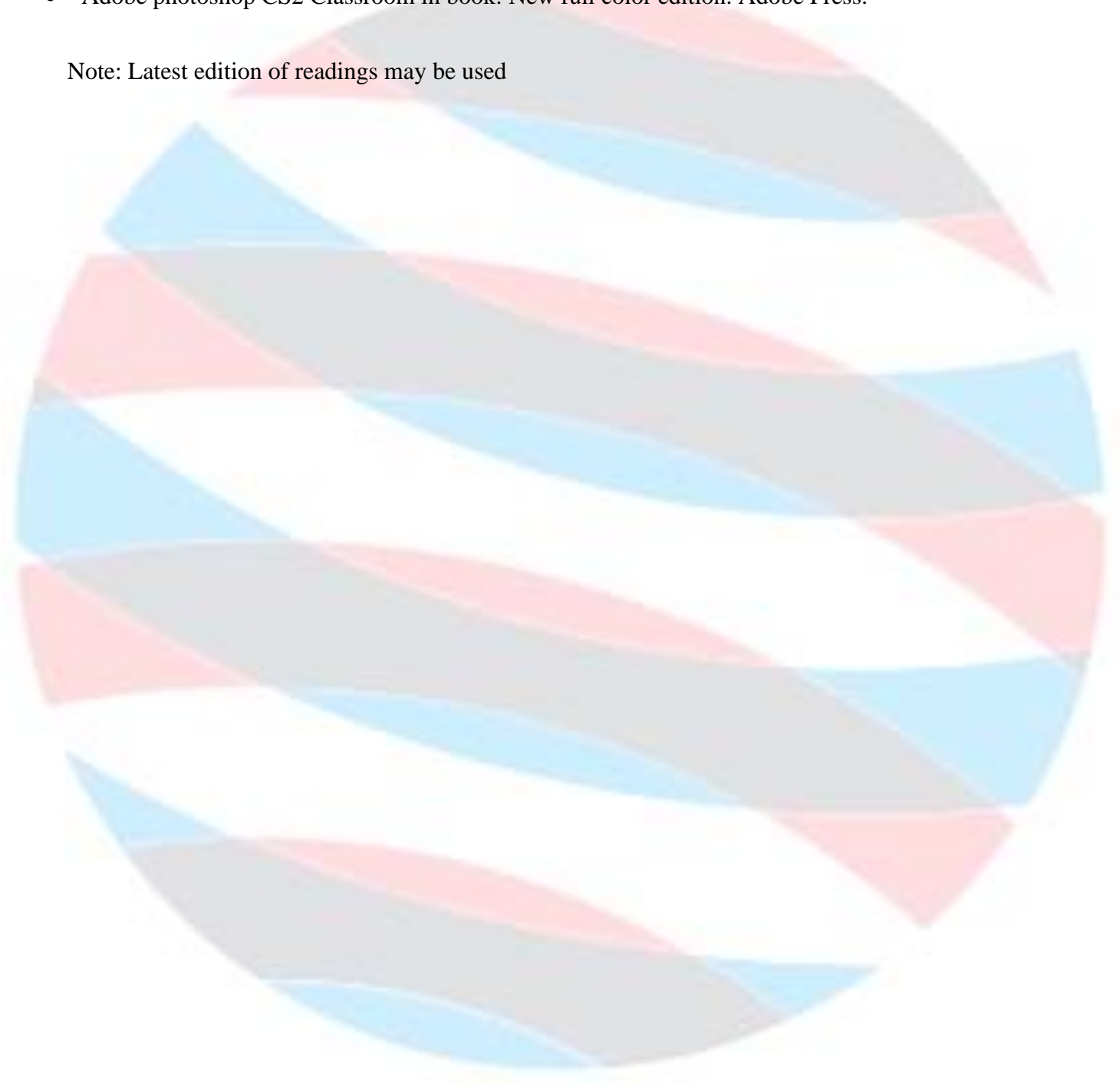
After completing the course, the student shall be able to:

1. Understand the concepts of photo editing.
2. Understand about the different software of photo editing.
3. Understand about the editing tools.
4. Understand about the different steps in photo editing.
5. Understand about the advance knowledge of photo correction.
6. Understand about creation of animated gif images.

Suggested Readings

- Basic Photography — John Hedgecoe. London: Collins & Brown
- The Color Photo Book — Andreas Feininger. New Jersey: Prentice-Hall
- Adobe photoshop CS2 Classroom in book: New full color edition. Adobe Press.

Note: Latest edition of readings may be used



B.Sc. (Fashion Design): Semester-III	
BFD 356: SURFACE ORNAMENTATION	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test – 4 Marks
Practical: 2 hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about methods of surface ornamentation techniques.
2. To explain construction basic hand and machine embroidery
3. To give complete knowledge of traditional embroidery
4. To give knowledge about traditional painting.
5. To give knowledge Warli painting, Mudhubani painting Kalamkari.
6. To give overview of different handicraft museum.

Detailed Syllabus:

Unit I: Introduction to various methods of surface ornamentation techniques
Embroidery and painting tool, embroidery threads and their classification, selection of threads, needle and cloth, brushes, spatula, tracing techniques, ironing and finishing of embroidered and painted articles
Unit II: Basic hand and machine embroidery
Variation of running stitch, back stitch, chain stitch, lazy daisy stitch, buttonhole stitch, feather stitch, herringbone stitch, knot stitch, satin stitch, cross stitch
Unit III: Introduction to traditional embroidery
Kantha, chikankari, kasuti, zardozi, phulkari, kashidakari, mirror work
Unit IV: Introduction to traditional painting
Warli painting, Mudhubani painting and Kalamkari
Unit V: Visit to handicraft museum

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the basic elements of embroidery and painting.
2. Understand the importance basic embroidery stitches.
3. Understand the importance of traditional embroidery in fashion industry.
4. Understand the importance of Indian painting.
5. Understand the warli and madhubani and kalamkari painting.
6. Understand about different art and craft museum.

Suggested Readings

- Shailaija D. Naik, Traditional Embroideries of India
- Rakesh Kumar, Encyclopedia of Indian Paintings
- Kapila Vatayayan, Embroidery in Asia Sui Dhaga,
- Mary E Woring, Handbook of traditional embroidery
- Jamila Brijbhushan, Indian Embroidery
- Sudha Satyawadi, Unique art of Warli Painting
- Bharti Dayal, Madhubani Art: Indian Art Series

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 357: WORLD FAMOUS PAINTINGS	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test – 4 Marks
Practical: 2 hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 101/201 History of fashion, BFD102 Fashion studies, BFD 151 Basic Drawing & Sketching, BFD 155 Fashion art and Illustration, BFD156/254 Element of Design, BFD203 Traditional Indian Textile, BFD 351 Fashion art & Design-I, BFD 356 Surface Ornamentation, BFD 357 World Famous painting, BFD 457 Minor Project, BFD 551 Portfolio Development, BFD 651 Graduation Design Collection.

Course Objectives:

1. To give knowledge about visual arts.
2. To give knowledge about elements and principles of art.
3. To explain the concept of art critiquing.
4. To give knowledge of famous artists.
5. To give knowledge about famous artworks and their elements.
6. To explain the method of critiquing the famous paintings.
7. To develop documentation of paintings of famous artists and critiquing the art.

Detailed Syllabus:

Unit I: Introduction to Visual Art
Definition, forms of visual art, art movements and art periods.
Unit II: Elements and Principles of Art
Definition of elements of art, principles of art, identification of art principles used by artists, arrangement of design principles using art principles
Unit II: Critiquing Art
Definition, procedure, and importance
Unit III: Famous artists and their artworks
Leonardo da Vinci, Vincent van Gogh, Edvard Munch, Pablo Picasso, Sandro Botticelli and Michelangelo
Unit IV: Critiquing the paintings of famous artists
Unit V: Practical/lab work of paintings

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand about the knowledge of visual art.
2. Understand about the elements and principles of art.
3. Understand the knowledge of art critiquing.
4. Understand about work of famous painters.
5. Understand the knowledge of use of elements and principles of art to develop art pieces.
6. Understand about the knowledge of different types of artworks.

Suggested Readings

- Great Paintings: The World's Masterpieces Explored and Explained (Dk Art & Collectables), 2019.
- Artists: Their Lives and Works by DK
- The Handy art history by Dickerson and Madelynn

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 358: TEXTILES	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test – 4 Marks
Practical: 2 hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different fabrics used for traditional art pieces.
2. To explain construction basic hand and machine embroidery
3. To give complete knowledge of traditional embroidery
4. To give knowledge about traditional painting.
5. To give knowledge Warli painting, Mudhubani painting Kalamkari.
6. To give overview of different handicraft museum.

Detailed Syllabus:

Unit I: Textile for seating
Upholstery fabrics for domestic applications – scope, fixed upholstery, non-stretch loose covers, stretch covers. Upholstery fabrics for contract use – general, automotive applications, Commercial applications.
Unit II: Window Textiles
Sun filters (Sheers and nets), Semi-sheers, Reflective textiles, curtain fabrics & drapes, Blinds. Definition, forms of visual art, art movements and art periods.
Unit III: Fabrics for Wall Covering, Textile Art
Tapestries, Wall hangings, Textiles for screens & Room Dividers.
Unit IV: Kitchen Textiles
Aprons, Dish cloth, Teacosy, Bread bag, Mittens, Pot Holders, Table Mats – Construction & manufacturing details.
Unit V: General
Hand / machine embroidered scarves, stoles, shawls, Madeups used in hospitals.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the basic elements of embroidery and painting.
2. Understand the importance basic embroidery stitches.
3. Understand the importance of traditional embroidery in fashion industry.
4. Understand the importance of Indian painting.
5. Understand the warli and madhubani and kalamkari painting.
6. Understand about different art and craft museum.

Suggested Readings

- Textile Floor coverings by G.H. Crawshaw, Textile Progress, Vol.9, No.2, The Textile Inst. Publisher
- Interior Furnishing by Mortimer O.Shea, Textile Progress, Vol.11, No.1, The Textile Institute, Publication.
- Mary E Woring, Handbook of traditional embroidery

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-III	
BFD 359: DIGITAL DESIGN	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test – 4 Marks
Practical: 2 hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different tools of adobe software.
2. To explain the layering.
3. To give complete knowledge of masking.
4. To give the knowledge about the picture arrangement of the board.
5. To give the complete knowledge of flat and digital fashion illustration.
6. To give the knowledge of print, fabric texture.

Detailed Syllabus:

Unit I: Introduction variations in Adobe illustrator and Photoshop applications
Introduction to Photoshop, meaning, definition, versions details.
Unit II: Introduction and use of tools.
Rectangular Marquee Tool & Elliptical marquee tool & single row marquee tool ,single column marquee tool, Move tool, magic wand tool, quick selection tool, lasso tool, polygonal lasso tool, magnetic lasso tool, Crop tool, slice tool, slice select tool, eyedropper tool, color sampler tool, ruler tool, note tool, count tool, Blur tool, sharpen tool, smudge tool, dodge tool, burn tool, sponge tool.
Unit III: Working with layers & layers styles.
In this process student will learn how to work on multiple layer
Unit IV: Masking and board
Layer Mask, Vector Mask Merge Layers, Flatten all layers Matting, inspiration , theme, mood, color, print developing board and other .
Unit V: Digital Illustration
Fashion croque, fur, hair, glitter effect, prints developing on the dress, different fabric texture,
Unit VI: Flat Sketching with Details
Creating Flat sketch with details.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the basic and advance tools of the software.
2. Understanding about the layers.
3. Understanding the importance of photos arrangement for the boards.
4. Understating the digital illustration.
5. Understanding the importance of flat sketching of the garment.
6. Understating about the masking of arrangement the layers.

Suggested Readings

- Illustrator for beginners-by Tastytuts (e-book)
- Illustrator workshop-by Jeff (e-book)

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 401: FASHION MARKETING AND MERCHANDISING	
Teaching Scheme	Examination Scheme
Lectures: 2 hours/week	Class Test -3 Marks
Practical: Nil	Teachers Assessment – 3 Marks
Credits: 2	Attendance –6 Marks
	End Semester Exam – 35 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different sector of marketing.
2. To explain factors and function of fashion marketing.
3. To give complete knowledge of market mix and product mix.
4. To give knowledge about the fashion show.
5. To give knowledge of fashion merchandising.
6. To give overview of different merchandising.

Detailed Syllabus:

Unit I: Marketing
<ul style="list-style-type: none"> • Introduction and definition • Factors influencing marketing concept, market segment. • Classification of market-domestic, national, international and E-market, • Marketing and product mix, range planning, • Study of 4 P’S - product, price, place, promotion. • OSTING AND PRICING STRATERIGIES (Costing principles-cost of goods-direct materials, direct labor, manufacturing overhead), (Costing strategies-direct costing, absorption, and activity based, blended), (Pricing strategies—rigid calculation, subjective pricing)
Unit II: Fashion Marketing and Forecasting
<ul style="list-style-type: none"> • Introduction • Size and structure of fashion market – micro and macro • Market Weeks – Trade Fairs, fashion fares, Fair growth. • Development of Fashion forecasting process • Forecast reports: - Fibre, Fabric and colour. • Short and Long term

Unit III: Fashion Shows

- Introduction to Fashion Shows
- Arranging a Fashion event
- Theme of the Show
- Selection of Models
- Advertising and Media planning

Unit IV: Merchandising

- Introduction to sourcing
- The phases of sourcing4.3 Selection of buyers, buying house, buying agency.
- Role of merchandiser in apparel industry
- Merchandising Calendar and Display calendar
- Types of merchandising
- Merchandising example

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the basic knowledge of market sectors.
2. Understand the importance of fashion market in India.
3. Understand the fashion shows.
4. Understand the importance of fashion merchandising.
5. Understand the knowledge of types of merchandising.
6. Understand about the product mix and marketing mix.

Suggested Readings

- Fashion Marketing – Mike Easey ed. – Oxford, Blackwell Science Ltd.β
- A.Jeannette Jarrow, Miriam Guerreiro and Beatrice Judelle, "Inside the Fashion Business",.
- Frings, Gini Stephens, "Fashion: From Concepts to Consumer", Prentice-Hall of India, 8th edition, 2004.
- Visual Merchandising and display – Martin M pegler

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 402: APPAREL INDUSTRIAL MANAGEMENT	
Teaching Scheme	Examination Scheme
Lectures: 2 hours/week	Class Test -3 Marks
Practical: Nil	Teachers Assessment – 3 Marks
Credits: 2	Attendance –6 Marks
	End Semester Exam – 35 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give knowledge about management and its different levels.
2. To explain about working of apparel industry.
3. To impart knowledge about organization and its types.
4. To give complete knowledge of garment manufacturing process.
5. To give knowledge about latest trends in apparel industry
6. To give overview of policies for apparel sector.

Detailed Syllabus:

Unit I: Introduction of apparel industry
Importance, objectives, principles, and functions of management.
Unit II: Management levels of apparel industry
Levels of management or managerial hierarchy: top, middle, and lower management
Unit III: History of Textile industry
History of textile industry: organizational structure and levels.
Unit IV: Domestic and export house
Readymade garment manufacture and export process.
Unit V: Management aids:
statistical and cost control, laboratory control, operational research, work study and method study, scientific research and development, communication

Course Outcomes:

After completing the course, the student shall be able to:

1. Gain knowledge on management and different levels of management.
2. Understand history of apparel industry.
3. Understand about organization: concept, principles and types.
4. Comprehend the various steps involved in garment manufacturing.
5. Understand about management aids.
6. Get an insight into importance of personnel management.

Suggested Readings

- Introduction to clothing manufacture- Gerry Cooklin
- Textiles-Law and policy-Somasekhar and Raj Mogli
- Encyclopedia of Textiles- P.V. Vidya Sagar
- Garment Exports- Darlie o Koshy

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 403: FABRIC STUDIES	
Teaching Scheme	Examination Scheme
Lectures: 4 hours/week	Class Test -12 Marks
Practical: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD453 Garment Construction-III, BFD451 Fashion Art & Design-II, BFD454 Draping Techniques-I , BFD553 Garment Construction-IV , BFD554 Textile Project , BFD456 Minor Project, BFD651 Graduation Design Collection

Course Objectives:

1. Describe all methods of fabric formation.
2. To give the knowledge of natural fabrics and synthetic fabrics.
3. Describe the properties of fabrics.
4. To introduce the pile fabric and knit fabric.
5. To give the knowledge of all trims and fasteners.
6. Explain the whole glossary of the fabrics.

Detailed Syllabus:

Unit I: Different methods of fabric formation
weaving, knitting, and bonding.
Unit II: Study of the different types of natural fabrics and their properties
Cotton fabric, Wool fabric, and Silk fabric.
Unit III: Study of the different types of synthetic fabric and their properties
Rayon, polyester, and nylon
Unit IV: Study of the different types of Pile Fabrics and Knit Fabrics
Pile fabric and knit fabric
Unit V: Glossary of other fabric terms and suitability of different fabrics for various types of garments
Glossary of other fabric terms and suitability of different fabrics for various types of garments
Unit VI: Study of the different types of Trims and Fasteners, Facing, Interfacings and Interlinings
Trims, fasteners, facing, interfacing, and interlinings.
Unit VII: Visit to Textile Industry

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand about the knowledge of fabric formation of weaving, knitting and bonding.
2. Understand the properties of all natural and synthetic fabrics.
3. Understand about the knowledge of natural and manmade fabrics.
4. Understand about all fabric trims, fasteners, facing and interlining.
5. Understand the glossary of other fabric terms.
6. Understand about the fibers and yarns.

Suggested Readings

- Fabric for fashion the swatch book by Amanda Johnston
- Fundamentals of Textiles & Their Care, By Shuseela Dhantiyagi

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 404: FUNDAMENTALS OF TEXTILE DESIGN AND FINISHES	
Teaching Scheme	Examination Scheme
Lectures: 4 hours/week	Class Test -12 Marks
Practical: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different techniques of textile designing.
2. To explain about the concept of fabric finishes.
3. To give complete knowledge of different mechanical finishes.
4. To give knowledge about stiffeners and softeners.
5. To give knowledge of special finishing of wool and silk.
6. To give knowledge about energy efficient finishing processes.

Detailed Syllabus:

Unit I: Techniques of designing textiles.
weaving, knitting, dyeing, printing, and other methods.
Unit II: Introduction to finishing types and importance
Introduction of finishing and importance, types of finishing.
Unit III: Mechanical finishes
Sulfurization, Wrinkle-resist finishing, Need, General approach for obtaining finished product, Cross-linking agents, Catalysts needed, Process
Unit IV: Finishes
Stiffeners and Softeners Waterproof, Water repellent, Waterproof breathable finishing, Flame retardants, Antimicrobial finishing , Bio-polishing, Soil repellency and Soil release finishing
Unit V: Finishing of wool and silk
Milling, setting, Shrink-resistant finishing, Special finishing of silk
Unit VI: Energy efficient technology and finishing of synthetics
Low liquor application and foam finishing, heat setting, Antistatic and other special finishing

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the basic techniques of textile designing.
2. Understand the importance of textile finishes.
3. Understand the importance of mechanical finishes.
4. Understand the importance of synthetic finishes.
5. Understand about the concept of stiffeners and softeners in textile processing.
6. Understand about different innovative advancements in textile finishes.

Suggested Readings

- Sekhri. Seema, 2010. Textbook of Fabric Science: Fundamentals to Finishing.
- Fundamentals of Textiles & Their Care, By Shuseela Dhantiyagi

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 405: TEXTILE SCIENCE AND CARE	
Teaching Scheme	Examination Scheme
Lectures: 4 hours/week	Class Test -12 Marks
Practical: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different fabrics.
2. To explain properties of fibers.
3. To give complete knowledge of manufacturing of textiles fibers.
4. To give knowledge about laundry.
5. To explain the difference between natural and synthetic
6. To give overview of different laundry methods according to fabric.

Detailed Syllabus:

Unit -I Introduction to Textile fibers
<ul style="list-style-type: none"> • Terms and definition related to textile. • Importance of textile • Fibers, filaments, yarns- spun yarns, filament yarns, • sewing threads • Fabrics- woven, knitted, non-woven. • Classification and nature of fibers
Unit-II General fiber properties
<ul style="list-style-type: none"> • Fiber length • Fiber strength • Flexibility • Spinnability • Uniformity • Density • Luster • Moisture & Moisture regain • Water-repellant fibers. • Resiliency & compressibility. • Chemical, Environmental & other properties.
Unit– III Manufacturing processes and properties of Textile fibers
Brief introduction about manufacturing processes and physical & Chemical properties of following textile fibers.

- Cotton.
- Silk.
- Wool.
- Polyester.
- Acrylic.
- Nylon

Unit – IV Laundry of natural fabric

- Cotton.
- Silk.
- Wool.

Unit – VI Laundry of synthetic fabric

- Polyester.
- Acrylic.
- Nylon

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the basic knowledge of fibers.
2. Understand the properties of textiles fibers.
3. Understand the importance of Natural fibers and synthetic fibers.
4. Understand the manufacturing of fibers.
5. Understand the basic knowledge of laundry.
6. Understand about different laundry according to fibres.

Suggested Readings

- Deulkar, D. (1976). Household Textiles and Laundry Work. Delhi: Atmaram Sons
- Marsh, J. T. (1979) Introduction to Textile Finishing, Mumbai: BI Publication
- Vigo, T. L (1997). Textile processing and properties, preparation, dyeing finishing and performance. Amsterdam: Elsevier Sciences.

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 406: INDUSTRIAL LEARNING AND INTERNSHIP	
Teaching Scheme	Examination Scheme
Lectures: 4 hours/week	Class Test -12 Marks
Practical: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD 453 Women’s Wear, BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge of garment export house
2. To give an overview of different departments
3. To explain the difference between sampling and merchandising department.
4. To describe all department of working process
5. To give the knowledge of pressing and fusing
6. To explain all cutting machine and stitching machine

Detailed Syllabus:

Unit I: Apparel Industry
<ul style="list-style-type: none"> • Domestic industry • Export industry • Buying house
Unit II: Introduction to Garment manufacturing process
<ul style="list-style-type: none"> • Introduction to different departments, working principles of various departments. • Flow chart of various department • Introduction Sewing, cutting & finishing department. • Different machinery used; comparative analysis; (demonstration of machineries in action)
Unit III: Introduction to Sewing Technology
<ul style="list-style-type: none"> • Basic sewing machine, various parts, types & functions of sewing machines. • Understanding the simple problems of sewing machine and its maintenance
Unit IV: Sewing machines
<ul style="list-style-type: none"> • Different sewing machines used- different bed types, their uses and comparative analysis. • Different stitch and seam types, properties & use • Stitch and seam Class Series diagrams, their comparative analyses
Unit V: Cutting Machine
Straight knife, Band knife, End cutter, Auto cutter, die cutter, Round knife, Drilling machine, Notching machine & Hot drill
Unit VI: Fusing & Pressing Technology
Machinery, equipment & process of Fusing Technology

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the work process of garment export house.
2. Understand the difference between the working and departments of different industrial houses.
3. Understand the different types of cutting machine and sewing machine.
4. Understand the various parts and elements of the industrial machine with their working.
5. Understand how an industrial machine works on a large scale.
6. Understand the working of different sectors of the export and import industry in fashion.

Suggested Readings

- A Guide to Fashion Sewing, By Amaden-Crawford
- Introduction to clothing production management, By A J Chuter

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 451: OFF LOOM TECHNIQUES	
Teaching Scheme	Examination Scheme
Lectures: NIL	Class Test -4 Marks
Practical: 2 Hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 457 Minor Project, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different methods of fabric construction.
2. To give knowledge about different off loom weaving techniques.
3. To give knowledge about construction of knotted rugs.
4. To give knowledge about development of products with crocheting.
5. To give knowledge about different macrame techniques.
6. To give knowledge about string art.

Detailed Syllabus:

Unit I: Introduction of off loom weaving
Introduction to different techniques of off loom weaving.
Unit II: Rug's construction
Construction of rugs with different knotting techniques.
Unit III: Crocheting
Development of product using different crocheting techniques.
Unit IV: Macrame
Development of product using different macrame techniques.
Unit V: Final Product
Development of product using string art.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the process of fabric construction without loom.
2. Differentiate between process of development of fabric with and without loom.
3. Understand about the various methods of construction of fabric with different techniques.
4. Understand the construction of fabric through knotting and crocheting.
5. Understand the construction of fabric through different macramé techniques.
6. Understand the construction of fabric through string art.

Suggested Readings

- Kline Linda, 2006. Beginner's Guide to Oriental Rugs, Ross Books. USA.
- Margaret Hubert, 2011. The Complete Photo Guide to Crochet, Creative Publishing International.
- Hardie Zedenius, 2017. Macrame: The Art of Creative Knotting for Your Home, Crafts and Hobbies.
- Jesse Dresbach, 2016. DIY String Art, Crafts and Hobbies.

E-Book

- Jane Crowfoot, 2016. Ultimate Crochet Bible: A Complete Reference with Step by Step Techniques, Collins and Brown

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 452: ADVANCED PATTERN MAKING-II	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test -12 Marks
Practical: 4 Hours/week	Teachers Assessment – 6 Marks
Credits: 2	Attendance – 12 Marks
	End Semester Exam – 35 marks

Prerequisite: BFD 552 Men’s Wear, BFD 456 Minor Project, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about construction of design features in women’s garments
2. To explain the conversion of torso to bridal wear
3. To give an overview of stitching of female Indian traditional wear
4. To explain the difference between male and female night wears
5. To explain the pattern making and construction of various blouse styles.
6. To give knowledge about construction details of western wear.

Detailed Syllabus:

Unit I: Variations of evening gown and bridal wear
Adapting torso block to evening gown and bridal wear variations.
Unit II: Blouse and variations
Patterns of saree blouse and its variations.
Unit III: Patterns of
Patterns of Kurta, Salwar, Kaftan/poncho/shrug/cape.
Unit IV: Bath Robe
Patterns of Bath robe.
Unit V: Nightwear
Patterns of male and female nightwear.
Unit VI: westerns Dress
Patterns of western dress.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the construction and finishing of details in female garments.
2. Understand the manufacturing female Indian wear.
3. Understand about the variation in pattern of different types of blouses for Indian and western wear
4. Understand about adaptation of torso for construction of bridal wear.
5. Analyze the difference between construction of female and male wear.
6. Understand that how design details are stitched and finished.

Suggested Readings

- Armstrong, H.J., “Pattern making for fashion design”, Pearson, 5th edition 2018.
- Norma R. H and Carolyn J. K. Pattern Making by the Flat-Pattern Method.1998. 8th Edition. Prentice Hall
- Mortimer-Dunn, G. Pattern designs for children’s clothes.1996. B T Batsford Ltd.
- Knowles., L. A., “Practical Guide to Patternmaking for Fashion Designers: Juniors, Misses and women”, 2005, Fairchild Books
- Holman,G ., “Pattern cutting made easy: A Step-by-Step Introduction, 2013
- Cooklin, G.,” Pattern cutting for women’s outerwear”, 1994
- Rajput, C., A Professional Approach to Garment Construction and Pattern Making (Fashion Designing), 1st edition, 2001
- Zarapkar, K.R. A system of cutting.2008. Navneet Publications

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 452: ADVANCED PATTERN MAKING-II	
Teaching Scheme	Examination Scheme
Lectures: Nil	Class Test -12 Marks
Practical: 4 Hours/week	Teachers Assessment – 6 Marks
Credits: 2	Attendance – 12 Marks
	End Semester Exam – 35 marks

Prerequisite: BFD 456 Minor Project, BFD 552 Men’s Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give knowledge about the stitching of formal wear for women.
2. To explain how princess line dress and their variation are stitched and finished.
3. To explain difference in construction of cape/ poncho/kaftans/ shrug.
4. To explain construction details of beach or resort wear.
5. To give knowledge about stitching unisex garments.

Detailed Syllabus:

Unit I: Formal dress
Construction of formal two-piece dress: formal top/vest and skirt
Unit II: Princess line dress
Construction of princess line dress and variation.
Unit III: Construction of outwear garment
Construction of cape/ poncho/ kaftans/ shrug.
Unit IV: Resort wear and beach wear
Construction of resort wear/ beach wear.
Unit V: Unisex garment
Construction of unisex garment.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand about the stitching of formal wear.
2. Understand how different princess line dress are attached and finished.
3. Understand about specification required to stitch cape/ poncho/kaftans/ shrug.
4. Stitch different variations of beach or resort wear
5. Differentiate between designers and mass production in terms of stitching.
6. Knowledge of how unisex dresses are constructed.

Suggested Readings

- Armstrong, H.J., “Pattern making for fashion design”, Pearson, 5th edition 2018.
- Holman, G., “Pattern cutting made easy: A Step-by-Step Introduction, 2013
- Cooklin, G.,” Pattern cutting for women’s outerwear”, 1994
- Rajput, C., A professional Approach to Garment Construction and Pattern Making(Fashion Designing), 1st edition, 2001

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 455: ACCESSORY DESIGN	
Teaching Scheme	Examination Scheme
Lectures: NIL	Class Test -4 Marks
Practical: 2 Hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 457 Minor Project, BFD 651 Graduation Design Collection, BFD 653 Material Studies

Course Objectives:

1. To give knowledge about different types of fashion accessories.
2. To give knowledge about current fashion and trends in accessories.
3. To impart information about jewelry as an accessory.
4. To give knowledge about construction of handbags and belts.
5. To give knowledge about construction of scarves and hats.
6. To give knowledge about construction of footwears.

Detailed Syllabus

Unit I: Introduction of accessories
Introduction to fashion accessories, definition, history and classification and their designing.
Unit II: Handbags & Belts
Designing and development of handbags and belts.
Unit III: Scarves & Hats
Designing and development of scarves and hats.
Unit IV: Footwears
Designing and development of footwears.
Unit V: Jewelry
Designing and development of jewelry (earrings).

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the types of fashion accessories.
2. Understand the importance of accessories in fashion industry.
3. Understand about the process of effective research and drawing inspiration from pre-existing accessories.
4. Understand and predict the need of target market for preparation of different accessories.
5. Understand the construction of handbags, belts, scarves and hats.
6. Understand the construction of footwear and earrings.

Suggested Readings

- Editor of Reader Digest., 2010 “A New complete guide to sewing”,
- Jay Diamond and Ellen Diamond, 2008. Fashion Apparel Accessories and Home Furnishings, Pearson Education.
- Pamela Stecker, 1996. Fashion Design Manual, Macmillan Co. Australia.
- Navneet Kaur, 2010. Comdex Fashion Design, Dreamtech Press

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 456: JEWELRY DESIGN	
Teaching Scheme	Examination Scheme
Lectures: NIL	Class Test -4 Marks
Practical: 2 Hours/week	Teachers Assessment – 2 Marks
Credits: 1	Attendance – 4 Marks
	End Semester Exam – 15 marks

Prerequisite: BFD 457 Minor Project, BFD 651 Graduation Design Collection, BFD 653 Material Studies

Course Objectives:

1. To give complete knowledge about different types of jewelries.
2. To give knowledge about methods of jewelry preparation.
3. To give knowledge about designing and development of metal jewelry.
4. To give knowledge about designing and development of quilling, origami, yarn, and fabric jewelry.
5. To give knowledge about designing and development of beaded jewelry.
6. To give knowledge about designing and development of resin jewelry.

Detailed Syllabus:

Unit I: Introduction of Jewelry
Introduction to jewelry design, classification of jewelry, design and color theory.
Unit II: Metal Jewelry
Designing and development of metal jewelry.
Unit III: Jewelry with Different techniques.
Designing and development of quilling jewelry, origami jewelry, yarn, and fabric jewelry.
Unit IV: Beaded Jewelry
Designing and development of beaded jewelry.
Unit V: Resin Jewelry
Designing and development of resin jewelry.

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand the different types of jewelries.
2. Understand the importance of conceptualizing jewelry designs and their construction.
3. Understand and extend design ideas through intensive market research to develop diverse range of jewelry collection.
4. Understand the construction of metal jewelry.
5. Understand the construction of quilling origami yarn and fabric jewelry.
6. Understand the construction of beaded and resin jewelry.

Suggested Readings

- Stuller, 2012. The Basics of Jewellery, Stuller, Inc. USA.
- Carol Grape, 2001. Handmade Jewellery: Simple Steps to Creating Wearable Art, North Light Books.
- Albert Kail, 2020. Resin Jewellery. USA.
- Ayako Brodek, 2019. Origami Jewellery, Kodansha. USA.
- Erin Perkins Curet, 2019. The Art of Modern Quilling, Quarry Books.
- Brenner Maya, 2012. Beaded Jewellery. Penguin UK.

Note: Latest edition of readings may be used

B.Sc. (Fashion Design): Semester-IV	
BFD 457: MINOR PROJECT	
Teaching Scheme	Examination Scheme
Tutorials: 2 hours/week	Class Test – 12 Marks
Practical: 4 hours/week	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD552- Men’s Wear, BFD553- Garment Construction, BFD653

Course Objectives:

1. To give complete knowledge of how the fashion show is done.
2. To give an overview of different methods they have learned in their previous semester.
3. To explain the concept about the fashion range development according to the latest trends.
4. To give knowledge about how the designer do their market research and how the styling is done accordingly.

Detailed Syllabus:

Unit I: Topic of the project
<ul style="list-style-type: none"> • Choose the topic on Market research, new trends and Inspiration. • Develop the working sketches
Unit II: Development all Board on the topic
<ul style="list-style-type: none"> • Creating • Inspiration boards • Theme Board • Mood boards • Color Boards • Client boards – in relation to the end customer and customer identification. • Swatch boards – swatch sizes, fabric information and trims its swatch layouts.
Unit III: Final Rendering and flat sketches
<ul style="list-style-type: none"> • Final Rendering of the selected 4 design • Computer aided flat sketches. • Specification and cost sheet of the design
Unit IV: Patterns and constructions
<ul style="list-style-type: none"> • Drafting of the design • Design’s Construction
Unit V: Presentation & Viva
<ul style="list-style-type: none"> • Fashion Show (4 garment) • Viva

Course Outcomes:

After completing the course, the student shall be able to:

1. Understand how fashion show is done.
2. Understand about the various steps involved in making the fashion range.
3. Understand how we can creatively display our work by showing them on ramp.
4. Understand the importance of doing the fashion show.
5. Understand the different elements of design features and their appropriate use according to space and material available.
6. Understand the previous subjects and its importance in the fashion industry.

Suggested Readings

- Color Forecasting, By Tracy Diane and Tom Cassidy
- Apparel Online, Apparel Views, Clothesline, Moda, Vogue, and Simplicity etc. to be consulted regularly

Note: Please note that since this is a project-based subject the students would not be consulting any books but instead would have to conduct surveys and search for websites relating to forecasts, latest trends, fabrics, design as well as silhouettes so that they can prepare their collection accordingly. They will also visit the marketplace for sourcing.