Learning Outcomes based Curriculum Framework (LOCF)

For

B.Sc. Fashion Design and Lifestyle Technology
(Four-Year Degree Programme)
w.e.f. Session 2022-23

University School for Graduate Studies
Chaudhary Devi Lal University
Sirsa-125055, Haryana

Table of Contents

1. About university school for graduate studies (USGS)

National Education Policy (NEP) -2020 has provided an impetus to the changing horizons of Higher Education. Chaudhary Devi Lal University Sirsa has recently established University School for Graduate Studies (USGS) in 2021, Teaching Block-IV (Dr. APJ Abdul Kalam Bhawan) of the university in order to start new programme and courses for tuning the learners to the latest state-of-the-art in Higher Education. The University School for Graduate Studies (USGS) will focus on strengthening graduate studies especially in the wake of NEP-2020 and will focus on designing, developing and executing of market/industry demand-oriented Four-Year Degree Programs (FYDPs). To benefit students, society and faculty, the USGS has started under graduate programmes in session 2021-22 based on Learning Outcomes Curriculum Frame work as per NEP-2020, such as:(i) B.Com., Banking&Insurance, (ii) B.Sc. Data Science, (iii) B.Sc.Mathematics, (iv) B.Sc.Physics, (v) B.A.Economics & Finance, (vi) B.A. Digital Journalism. In addition, 1-year programmed namely (vii) Bachelor of Library & Information Sciencewas also started in session 2021-22. Now from session 2022-23, the following Four-year degree programmes: (i) B.Sc. Food Science &Technology, (ii) B.Sc. Fashion Design & Lifestyle Technology, (iii) B.Sc. Physical Health & Sports Education, (iv) B.A. Journalism & Mass Communication, (v) B.A. Social work, (vi) B.Com are being started from session 2022-23 as per NEP 2020. The holistic development of the students is to compete the changing scenario of the world in the 21st century is of prime importance. The University School for Graduate Studies is committed to impart quality education comprising academic knowledge and technical skills to the students.

2. Learning Outcomes-based Curriculum Framework

The Choice Based Credit Scheme (CBCS) evolved into learning outcome-based curriculum framework and provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill-based courses. The courses can be evaluated by following the grading system, which is considered to be better than the conventional marks system. Grading system provides uniformity in the evaluation and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations which enables the student to move across institutions of higher learning. The uniformity in evaluation system also enables the potential employers in assessing the performance of the candidates.

2.1 About the Programme

The Department sculpts young minds with creative thinking, installs passion and flare for designing and helps the aspiring candidates to become successful designers,entrepreneurs and professional industrialists. The mission of Fashion Design and Lifestyle Technology Department is to provide education with innovative curriculum, up-to-date technology, industrial and foreign collaborations, while pioneering in experimenting and nurturing creativity by incorporating both classic and innovative design concepts. The objectives of the program describe the professional accomplishments of our graduates about four years after having completed the Undergraduate Program in Fashion Design and Lifestyle Technology. We strive to build a Confident young Entrepreneur, Designer, and fashion stylization arousing his or her innovation and creativity. The specialized industry helps young population in getting aware of the latest fashion accessories and apparels in the present world. This is one of the topmost and highly preferredcourse that is gaining popularity among young students because of its rapid growth. At present, the popularity of Fashion and lifestyle is rising day by day. Fashion styling is the art and practice of apparel design through their combinations to create a new look which is aesthetically pleasing. A fashion stylist needs to be updated with fashion brands and their collaborations in the lifestyle of modern world. The department of fashion design and lifestyle technology is aimed to set the future of enthusiastic aspirants in the exciting world of stylization and develop the skill of competition in the global market of apparel and fashion.

2.2 Objectives of the Programme

B.Sc. Fashion Design & Lifestyle Technology – Four-year undergraduate program in fashion is structured as to:

- Provide an environment that holistically engages students through the knowledge of fundamental and principles of design.

- Widen the scope and depth of the course enabling them to undertake further studies in fashion and its allied areas on multiple disciplines concerned with the fashion and lifestyle technology.
- Create, select and apply the appropriate techniques of modern tools usage in professional work of fashion industry.
- Acquainting students with recent innovative practices with the aid of relevant research surveys.
- Encourage the students to advance a range of generic skills helpful in employment, internships, and social activities;
- Formulating business problems and providing innovative solutions to enable the students to be perfect fashion designers who are compassionate and efficient.
- Communicate effectively with the professional community, comprehend, write effective reports and create the professional presentations.
- Become globally competitive industry ready graduates through strong industry connect so as to employed in worldwide garment and fashion industries.

2.3 Programme Outcomes (POs)

After completing the program, the students have

PO1	**Disciplinary Knowledge**	Capability of executing comprehensive knowledge and understanding of one or more disciplines that forms part of the fashion industry.
PO2	**Knowledge of Design Process**	To learn the product design by skill of manufacturing to meet the desired specification, performance, and capabilities. To compatible with the customer demand, trend, market analysis, social and environmental considerations. To apply the knowledge of elements and principles of design to create new designs on paper, graphics, textile and garments.
PO3	**Event Management, Entrepreneurial and Business Skills:**	To demonstrate understanding in successful conduct of a fashion event or run an

		organization, handle its finance, HR and business. Applying traditional practices and methods to add value to a product management or garment manufacturing to be a successful entrepreneur.
PO4	**Developmentof Communication Skills**	To develop the communication skills for a professional life in social gathering. Students are taught to communicate and represent effectively in verbal and written communication.
PO5	**Design and lifestyle techniques**	To learn about the manufacturing of fashion product and its adoption by the society in the lifestyle programme
PO6	**Fashion Illustration and Modern Tool Usage**	To learn and apply appropriate CAD and Computer Graphics knowledge to design and create new fashion products according to the industrial demands. Students also learn to use the digital designing by the use of different softwares.
PO7	**Problem Solving**	To learn the capability of applying knowledge to solve the technical and other problems using theoretical and experimental techniques/tools. Students get the ability to use and learn scientific techniques, skill and tools for practices in fashion industry

PO8	**Placement Opportunities**	After going through our whole course, students get good opportunities in the stream of fashion industry as well as in teaching aids. They are fully prepared to explore their knowledge in the best way as a self-entrepreneurship. A candidate can be a good fashion stylist, retail manager, fashion designer, textile designer, visual merchandiser, apparel manufacturer, clothing technologist, an interior designer or an industrialist.

2.4 Programme Specific Outcomes (PSOs)

After completing the program, the students will able:

PSO1	To acquire a strong foundation in designing and have the ability to represent it visually through illustrations, photographs, graphics and a visual display of designed fashion products.
PSO2	To learn how to design and perform experiments demonstrating their understanding of design concepts/phenomenon/methods/techniques, and develop skills to pursue higher studies and research in fashion industry. Students will learn to create and convert their design into a product by using appropriate construction techniques.
PSO3	Develop written and oral communications skills to communicate fashion-related topics effectively through verbal, written, digital, physical and graphical presentations. They will understand and analyse the market trends and design market friendly to deal with online marketing.
PSO4	Students will be able to work as a team in any organization and become accomplished or successful Designers, Entrepreneurs or industrial professionals.

3. Programme Structure

B.Sc. Fashion Design & Lifestyle Technology- Four-year (Eight semesters) graduate programme is of 176credits weightage consisting of Core Courses (CC), Discipline Specific Elective Courses (DSC), Skill Enhancement Courses (SEC), Generic Elective Courses (OEC) and Ability Enhancement Compulsory Courses (AECC).

4. Exit options and Credit requirements

Exit with	Credit requirement
Certificate in Fashion Design: After successful completion of First year (Two semesters) of the Four-Year Undergraduate Degree Programme.	46
Diploma in Fashion Design and Lifestyle Technology: After successful completion of Two years (Four semesters) of the Four-Year Undergraduate Degree Programme.	92
Bachelor of Science in Fashion Design and Lifestyle Technology: After successful completion of Three years (Six semesters) of the Four-Year Undergraduate Degree Programme.	136
Bachelor of Science in Fashion Design and Lifestyle Technology (With Research) After successful completion of Four Years (Eight semesters) of the Undergraduate Degree Programme.	176

Table1: Courses and Credit Scheme

Semester	Core Courses(CC)		Discipline Specific Elective Courses (DSC)		Skill Enhancement Courses (SEC)		Ability Enhancement Compulsory Courses (AECC)		Generic Elective Courses (GEC)		Grand Total Credits
	1	2	3	4	5	6	7	8	9	10	(2+4+6+8 +10)
	No. of Courses	Total Credits	No. of Courses	Total Credits	No. of Courses	Total Credits	No. of Courses	Total Credits	No. of Courses	Total Credits	
I	3	12	-	-	1	2	1	4	1	4	22
II	4	14	-	-	1	2	1	4	1	4	24
III	3	12	1	2	1	2	1	4	1	4	24
IV	4	14	2	4	-	-	-	-	1	4	22
V	4	12	2	6	1	4	-	-	-	-	22
VI	3	10	2	6	2	6	-	-	-	-	22
Total	Core Credits	74	Discipline Specific Elective Credits	18	Skill Enhancement Credits	16	Ability Enhancement Credits	12	Generic Elective Credits	16	136
Percentage (%)	Core Credits	54.41	Discipline Specific Elective Credits	13.23	Skill Enhancement Credits	11.76		8.82		11.76	100
VII	3	12	2	6	2	4	-	-	-	-	22
VIII	1	18	-	-	-	-	-	-	-	-	18

Total	**Core Credits**	**104**	**DisciplineSpecificElective Credits**	**24**	**SkillEnhancementCredits**	**20**	**AbilityEnhancement Credits**	**12**	**GenericElectiveCredits**	**16**	**176**
Percentage (%)	**Core Credits**	**59.09**	**Discipline Specific Elective Credits**	**13.63**	**Skill Enhancement Credits**	**11.36**		**6.81**		**9.09**	**100**

Table2: Detailed break-up of Credit Courses

Semester	Core Courses (CC)	Discipline Specific Elective Courses (DSC)	Skill Enhancement Courses (SEC)	Ability Enhancement Compulsory Courses(AECC)	Generic Elective Courses (GEC)	Total Courses (CC+DSC+SEC +AECC+ GEC)
I	CC1 CC2 CC3	-	SEC1	AECC1	GEC1	06
II	CC4 CC5 CC6 CC7	-	SEC2	AECC2	GEC2	07
III	CC8 CC9 CC10	DSC1	SEC3	AECC3	GEC3	07
IV	CC11 CC12 CC13 CC14	DSC2 DSC3	-	-	GEC4	07
V	CC15 CC16 CC17 CC18	DSC4 DSC5	SEC4	-	-	07

VI	**CC19** **CC20** **CC21**	**DSC6** **DSC7**	**SEC5** **SEC6**	**-**	**-**	**07**
VII	**CC22** **CC23** **CC24**	**DSC8** **DSC9**	**SEC7** **SEC8**	**-**	**-**	**07**
VIII	**CC25**	**-**	**-**	**-**	**-**	**01**

Table 3: Course code and Title along with credit details

Sr. No.	Course Code	Course Title	Credits		
			Lectures	Practical	Total
Semester I					
1.	EVS/1/AECC1	Environmental Studies	4	-	4
2.	BSc/FDLT/1/CC1	Design Studies	4	-	4
3.	BSc / FDLT /1/CC2	Introduction to textiles	4	-	4
4.	BSc / FDLT /1/CC3	Fashion Illustration (lab-work)	-	4	4
5.	BSc / FDLT /1/SEC1	Sewing Technology (lab-work)		2	2
6.	……/1/GEC1	To be opted by students from the Pool of Generic Elective Courses	4	-	4
Total					**22**
Semester II					
1.	ENG/2/AECC2	Functional English	4	-	4
2.	BSc/ FDLT /2/CC4	Traditional Textiles and Embroideries of India	4	-	4
3.	BSc/ FDLT /2/CC5	Dynamics of Fashion	4	-	4
4.	BSc/ FDLT /2/CC6	Surface Ornamentation (Lab-work)	-	4	4
5.	BSc/ FDLT /2/CC7	Drafting and Pattern Making (Lab-work)	-	2	2
6.	COMP /2/SEC2	Computer skills	-	2	2
7.	……/2/GEC2	To be opted by students from Pool of Generic Elective Courses	4	-	4
Total					**24**
Semester III					
1.	HIN/3/AECC3	Hindi	4	-	4
2.	BSc/ FDLT /3/CC8		4	-	4
3.	BSc/ FDLT /3/CC9		4	-	4
4	BSc/ FDLT /3/CC10		-	4	4

5.	BSc/ FDLT /3/SEC3		-	2	2
6.	BSc/ FDLT /3/DSC1		-	2	2
7.	……../3/GEC3	To be opted by students from Pool of Generic Elective Courses	4	-	4
Total					**24**
		Semester IV			
1.	BSc/ FDLT /4/CC11		4	-	4
2.	BSc/ FDLT /4/CC12		4	-	4
3.	BSc/ FDLT /4/CC13		-	4	4
4	BSc/ FDLT /4/CC14		-	-	2
5.	BSc/ FDLT /4/DSC2			2	2
6.	BSc/ FDLT/4/DSC3			2	2
7.	……/4/GEC4	To be opted by students from Pool of Generic Elective Courses	4	-	4
Total					**22**
		Semester V			
1.	BSc/ FDLT /5/CC15		4	-	4
2.	BSc/ FDLT /5/CC16		4	-	4
3.	BSc/ FDLT /5/CC17		-	2	2
4.	BSc/ FDLT /5/CC18		-	2	2
5.	BSc/ FDLT /5/DSC4		4	-	4
6.	BSc/ FDLT /5/DSC5		-	2	2
7.	BSc/ FDLT /5/SEC4		4	-	4
Total					**22**
		Semester VI			
1.	BSc/ FDLT /6/CC19		4	-	4
2.	BSc/ FDLT /6/CC20		4	-	4
3.	BSc/ FDLT /6/CC21		-	2	2
4.	BSc/ FDLT /6/DSC6		4	-	4
5.	BSc/ FDLT /6/DSC7		-	2	2

6.	BSc/ FDLT /6/SEC5		-	2	2
7.	BSc/ FDLT /6/SEC6		4		4
Total					**22**
		Semester VII			
1.	BSc/ FDLT /7/CC22		4	-	4
2.	BSc/ FDLT /7/CC23		4	-	4
3.	BSc/ FDLT /7/CC24		4	-	4
4.	BSc/ FDLT /7/DSC8		4		4
5.	BSc/ FDLT /7/DSC9			2	2
6.	BSc/ FDLT /7/SEC7		-	2	2
7.	BSc/ FDLT /7/SEC8			2	2
Total		**22**			
		Semester VIII			
1.	BSc/ FDLT /8/CC25				**18**
Grand Total (I+II+III+IV+V+VI+VII+VIII)			**176**		

Generic Elective Courses

Table 4: Generic Elective Courses offered by the Department of fashion design and lifestyle technology for the Students of other departments		
Course Code	**Course Title**	**Credits**
Semester -I		
BSc/ FDLT /1/GEC 1	Fundamentals of Design (Theory)	4
Semester -II		
BSc/ FDLT /2/GEC 2	Fashion Dynamics (Theory)	4

Semester -I

EVS/1/AECC1- Environmental Studies

Credits: 4(Theory) **Max. Marks: 100**
Lectures: 60 **Final Term Exam: 70**
Duration of Exam: 3 Hrs. **Internal Assessment: 30**

Course Objective: Students will understand how science and scientific methods work to address environmental problems. The students will become familiar with the Earth's major systems, how they function, and how they are affected by a human.

Course Outcomes: After completing the course in Environmental Studies, students will be able to: Demonstrate an integrated approach to environmental issues with a focus on sustainability; Use critical thinking, and methodological approaches of the social sciences, natural sciences, and humanities in environmental problem solving.

Note for the Paper Setter: *The question paper will consist of five questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, four more questions will be set unit-wise comprising two questions from each of the two units. The candidates are required to attempt two more questions selecting at least one question from each unit*

UNIT I

The multidisciplinary nature of environmental studies: Definition, Scope and importance need for public awareness. Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modem agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. Energy resources; Growing energy needs, renewable and non-renewable energy sources, case studies. Land resources: Land as a resource, land degradation man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

UNIT II

Ecosystems: Concept of an ecosystem, Structure and function of an ecosystem. Producers, Consumers and decomposers. Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, Characteristic features, structure and function of the following of the ecosystem: Forest ecosystem, Grass land ecosystem, desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

Biodiversity and its conservation: Introduction-Definition: genetic, species and ecosystem diversity. Biogeographical classification of India. Value of diversity: consumptive use, productive use, social, ethical, aesthetic,and option calls. Biodiversity at global, National and local levels. India as a mega-diversity nation. Hot-sports of biodiversity. Threats to biodiversity: habitat loos, poaching of wildlife, man-wildlife conflicts. Endangered and endemics. Conservation of biodiversity: In-situ and Ex-situ, Conservationof bio div

UNIT III

Environmental Pollution: Definition-Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards, Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster Management: floods, earthquake, cyclone and landslides.

Social Issues and the environment: From Unsustainable to Sustainable development. Ur ban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concerns. Case studies. Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies. Wasteland reclamation. Consumerism and waste products. Air (prevention and Control of Pollution) Act. Water (prevention and control of pollution) Act. Wildlife Protection Act. Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness.

UNIT IV

Human Population and the Environment: Population growth, variation among nations. Population explosion- family Welfare Programmed. Environment and human hea1th.Human Rights. Value Education. HIV/AIDS. Women and child welfare, role of information technology in environment and human health, Case Studies.

Field work: Visit to a local area to document environmental assets: river/forest grass land/ hill/mountain, Visit to a local polluted site-Urban/Rural/Industrial/ Agricultural, Study of common plants, insects, birds. Study of simple ecosystems pond, river, hill slopes, etc.

Suggested Readings:

1. Agarwal, K.C. 2001 *Environmental Biology,* Nidhi Publ. Ltd. Bikaner.
2. BharuchaErach, *The Biodiversity of India,* Mapin Publishing Pvt. Ltd., Ahmedabad- 380013, India.
3. Clerk RS., *Marine Pollution;* Clanderson Press Oxford.
4. *Down to Earth,* Centre for Science andEnvironment.
5. Hawkins R.E., *Encyclopaedia of Indian Natural History,* Bombay Natural History Society, Bombay.
6. Mhaskar A.K, *Matter Hazardous,* Techno-SciencePublications.
7. Townsend C., Harper J, and Michael Begon, *Essentials of ecology,* BlackwellScience.
8. Trivedi R.K and P.K Goel, *Introduction to air pollution,* Techno-SciencePublications.
9. Trivedi R.K, *Handbook of Environmental Laws, Ru1es*, *Guidelines Compliances and Standards, Vol I and II,* EnvirolMedia.
10. Wagner KD., 1998. *Environmental Management.* W.B. Saunders Co. Philadelphia,USA.

BSc/FDLT/1/CC1–Design Studies

Credits: 4 **Max. Marks: 100**

Lectures: 60 **Final Term Exam: 70**

Duration of Exam: 3Hrs. **Internal Assessment: 30**

Objective: The main objective of this subject is to make the students understandthe basic elements & principles of Designfor new product development.

Course Outcomes: After completion of the course, learners will be able to:

CO1: Introduced with different elements of design.

CO2: Learn proper use of color and its schemes

CO3: Study of principles of design.

CO4: Learn suitable clothing according to different age groups.

Note for the Paper Setter: *The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions selecting at least one question from each unit.*

UNIT I

Introduction to design:the concept of design, classification of design,

Elements of Design: Color, texture, shape, line, dots, checks, prints, and rendering effects

Illusion effects of elementary designs on clothing

UNIT II

Color schemes- Warm, Cool, Hue, Value, Intensity, Complementary, split complementary, achromatic, monochromatic analogous, tints, tones, and shades.

Color composition: Color mixing, visual identification of hues in color, and generation of the same.

UNIT III

Principles of design: Repetition, Gradation, Radiation, Dominance, Contrast, balance, proportion emphasis on rhythm, Unity, and harmony.

Integration of elements and principles of design to develop a product: the inspirational concept of design to generate innovation, theme-based designing, and inspirational designing.

UNIT IV

Selection of suitable clothing and design: occasional selection, traditional and contemporary

Clothing of different age groups; infants, children, teenagers, adults, and old age.

factors affecting the selection of clothing: age, Season, income, occasion, fashion, personality, occupation etc.

Suggested Readings:

1. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry.*
2. Elements of Design: Rowena Reed Kostellow and the Structure of Visual Relationships, Gail Greet Hannah, 2002
3. Basic Principles of Design, Manfred Maier, Vol. 1-4
4. Comdex Fashion Design, Vol I, Fashion Concepts, Navneet Kaur, Vikas Pub, 2010
5. Sodhia M., *Design Studies*, Kalyani Publishers.
6. Farem S. and Hudson T., *Fashion design course*
7. Lewis T., *Ultimate guide to become a designer*

BSc/FDLT/1/CC2– Introduction to Textiles

Credits:4 Max.	**Marks:100**
Lectures:60	**Final Term Exam: 70**
Duration of Exam: 3Hrs.	**Internal Assessment:30**

Objective: The main objective of the course is to introduce the students to the fundamentals of fiber and yarn so that they can understand the manufacturing of different textiles. This course also helps the students to acquire conceptual knowledge about the textilemanufacturing techniques.

Course Outcomes: After successfully completing the course, students will be able to:

CO1: Understanding the manufacturing of textile fibers

CO2: Understand the yarn classification and their properties

CO3: Study based on the identification of textile fibers

CO4: Acquire the basic knowledge on fabric construction

Note for the Paper Setter: *The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions selecting at least one question from each unit.*

UNIT I

Introduction to textiles: Textile terminology, textile fibersand yarns, historical existence of fibers and textiles.

UNIT II

Introduction to textile industry, Introduction to textile raw materials, Introduction to loom, Woven Fabric, Non-Woven, Knitted Fabrics

UNIT III

Classification of fibers – Natural & Manmade Fibers, animal fibers and vegetable fibers, Physical and chemical properties of fibers.

UNIT IV

Manufacturing of textile fibers: cotton, linen, jute, wool, silk viscose rayon's polyester, nylon, acrylic, Lycra and others.

Identification of textile fibers based on microscopic and burning tests

Suggested Readings:

1. Garg N., *Clothing and Textile*.
2. `Understanding Fabrics, Akshay Fabrics, Sarv International, 2017
3. Raoul Jewel (2001), Encyclopaedia of Dress Making, APH Publication Corporation
4. Clive Hallett (2014), Fabric to Fashion, Laurence King Publishing
5. Dana Willard (2012), Fabrics A-to-Z: The Essential Guide to Choosing and Using Fabric for Sewing, Harry N Abrams
6. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry.*
7. Joseph H. and Berry B., *Draping for apparel design.*

BSc/FDLT/1/CC3–Fashion Illustration –(Lab-work)

Credits: 4(Practical) **Max. Marks: 100**

Teaching per week:4 Hrs. **Duration of Exam: 3Hrs.**

Objective: The objective of this course is to impart practical knowledge about the illustration related to the fashion industry which is beneficial for the apparel design and lifestyle technology.

Course outcomes: After successfully completing the course, student will be able to:

CO1: Learn the basics of illustration

CO2: Aware of the importance of illustration in the fashion industry

CO3: Learn about the human anatomy and fashion figures

CO4: Learn to present observations, results, and analysis in the illustration of different human proportions

List of Experiments:

1. Basic drawing equipment
2. Fashion illustrations: -Basic Human anatomy, male, and female(Block figure)
3. Fashion model drawing basic croquis
4. Developing figures using figure guides
5. Balance line and weight distribution,
6. Sketching of faces, hands, legs, feet hairstyle, and accessories
7. Free-hand sketching of figures and shapes
8. Illustration of different postures and motion
9. Techniques of different textures and patterns of different silhouettes
10. Sketching techniques- free hand sketching, development of geometrical natural, stylized and abstract motifs, enlargement of motifs, placement of motifs to develop designs

Suggested Readings:

1. Sodhia M., *fashion illustration*, Kalyani Publishers.
2. Fashion Illustration, Anna Kipper, David & Charles Book, 2011
3. Fashion Illustration Children, Patrice, John Ireland, BT Bastford Ltd, 2005.
4. Sodhia M., *Design Studies*, Kalyani Publishers.
5. New Fashion Illustration (New Illustration Series) English, Paperback, Martin Dawber 2006
6. Joseph H. and Berry B., *Draping for apparel design*.
7. Farem S. and Hudson T., *Fashion design course.*
8. Allen, Seamen B.T., *Fashion Drawing: The basic principles,* Basford Ltd. London.
9. Lewis T., *Ultimate guide to become a designer*.

BSc/FDLT/1/SEC 1–Sewing Technology -(Lab-work)

Credits:2 (Practical) **Max. Marks: 50**

Teaching per week: 4 Hrs. **Duration of Exam: 3Hrs.**

Objective: The objective of this course is to impart practical knowledge through sewing techniques and experiments.

Course outcomes: After successfully completing the course, student will be able to:

CO1: Learn the basics of sewing techniques

CO2: Verify some fundamental principles of seams and tucks through experiments.

CO3: Perform experiments related to fabric characteristics and suitability according to the fabrics

CO4: Learn the different sewing machines used in the apparel manufacturing

List of Experiments

1. Introduction to sewing technology.
2. Equipment and supplies used in clothing construction,
3. Sewing tools: cutting, measuring, marking stitching and pressing tools.
4. Sewing machines: suitability and functions of different sewing machines,
5. Maintenance of sewing machines
6. Common defects and their mechanism.
7. Study of different parts of sewing machine.
8. Standard body measurement charts,
9. Recording of body measurement,
10. Making samples of: Basic hand stitches basting, hemming-visible/invisible types of seams finishes-plain, run and fell, lapped, counter, over lock, hand overcast, fullness-darts, tucks, pleats, ruffles, frills and gathers, fasteners plackets and others.

Suggested Readings:

1. Garg N., *Clothing and Textile*.
2. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry.*
3. Joseph H. and Berry B., *Draping for apparel design.*
4. Joseph H., *Pattern making for fashion,* Pearson.
5. 2013, Draping for apparel Design, Helen Joseph
6. Sodhia.M,*Garment Construction* Kalyani publishers

Semester-2

ENG/1/AECC 2 –Functional English

Credits: 4(Theory) **Max. Marks: 100**

Lectures: 60 **Final Term Exam: 70**

Duration of Exam: 3 Hrs. **Internal Assessment: 30**

Objective: The course aims to introduce students to the theory, fundamentals and tools of communication and to develop in them effective communication skills which should be integral to personal, social and professional interactions. In addition, to develop in them the understanding of the English language.

Course Outcomes: After successfully completing the course, students will be able to:

CO1: have the knowledge of communication.

CO2: have speaking skills in social interactions and communication in professional situations such as interviews, group discussions and office environments.

CO3: have the knowledge and understanding of the language of communication.

CO4: have reading, listening and writing skills.

Note for the Paper Setter: *The question paper will consist of five questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, four more questions will be set unit-wise comprising two questions from each of the two units. The candidates are required to attempt two more questions selecting at least one question from eachunit.*

UNIT-I

Introduction: Definition and Theory of Communication, Types and modes of Communication. Language of Communication: Verbal and Non-verbal (Spoken and Written); Personal, Social and Business Barriers and Strategies; Intra-personal, Inter-personal and Group communication. Impact of communication on performance.

UNIT-II

Speaking Skills: Monologue, Dialogue, Group Discussion, Effective Oral Communication, Miscommunication, Oral Presentation, Interview, Public Speech.

UNIT-III

Remedial English: Parts of Speech, Sentences, Subject- Verb Agreement, Active and Passive Voice, Degrees of comparison, Direct and Indirect Speech, Question Tags.

Reading and Understanding: Close Reading, Comprehension, Summary, Paraphrasing, Analysis and Interpretation, Translation (from Indian language to English and vice-versa), Literary/Knowledge Texts.

UNIT-IV

Writing Skills: Elements of writing, Documenting, Report Writing, Making notes, Letter writing, Business communications

Listening Skills: Listening and its types, Barriers of effective Listening, Barriers and Strategies for effective listening, Listening to complaints

Suggested Readings:

1. B.K. Das and A. David, A Remedial Course in English, Book 2, C.I.E.F.L. (O.U.P.)1980.
2. A.S. Hornby, Oxford Advanced Learner's Dictionary of Current English (O.U.P.) 3,A Textbook of English Phonetics for Indian Students by T.Balasubramanian.
3. Fluency in English - Part II, Oxford University Press,2006.
4. Business English, Pearson,2008.
5. Language, Literature and Creativity, Orient Blackswan,2013.

BSc/FDLT/2/CC4- Traditional Textiles and Embroideries of India

Credits: 4	**Max. Marks: 100**
Lectures: 60	**Final Term Exam: 70**
Duration of Exam: 3hrs.	**Internal Assessment: 30**

Course Objective: The objective of this course is to help the students to acquire conceptual knowledge about traditional textiles & embroideries of India.

Course Outcomes: After Studying this course, the students would be able to learn:

CO1: Basic introduction to traditional textiles of India.

CO2: Study of the historical existence of textiles.

CO3: Introduction to traditional embroideries of India.

CO4: differentiate between the traditional to contemporary textiles.

Note for the Paper Setter: *The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions selecting at least one question from each unit.*

UNIT I

Introduction to traditional textiles of India: hand woven, dyed, printed and painted textiles of India.

Historical existence of Traditional textiles and their role in contemporary world

UNIT II

Woven textiles: brocades, Tanchoi, Jamavar, Jamdani, Chanderi, Maheshwari, Kanjivaram, kota and Baluchari.

Printed and painted textiles: Resist printed textiles, Bandhani, patola, Ikat,pochampalli, kalamkari etc.

Regional variations in symbolic motifs: Block printing,Batik Printing, Screen printing, and Stencil printing.

UNIT III

Introduction to Traditional embroideries of India:Kutch, Kathiawar, Sindhi, Phulkari, Kantha, Kasuti, Chamba Rumal, Manipuri, Kashida, Chikankariand Zardozi,

Techniques used in traditional embroideries: stitches, motifs, base fabrics, threads color combination and inspirations

UNIT IV

Differentiate between traditional embroideries and contemporary embroideries.

Changing trends in traditional embroideries and their contemporary application by the current Indian designers.

Suggested Readings:

1. Shailaja D. Naik. *Traditional Embroideries of India,* API Pub Corp. New Delhi. 1996
2. Sheila, Paine, *Embroidered Textiles*, Thames and Hudson Ltd. 1990
3. Usha, Srikant. *Ethnic Embroideries of India*
4. Savithri, Pandit. *Indian Embroidery*
5. Gail, Lowther, *Inspirational Ideas for Embroidery on Clothes and Accessories,* Search Press Ltd., 1993
6. Barbara, Snook, *Creative Art of Embroidery,* Numbly Pub. Group Ltd., London, 1972
7. Anne Mathew. *Vogue Dictionary of Crochet Stitches,* David and Charles, London, 1989
8. Manmeetsodhia, *History of fashion*, Kalyani publishers

BSc/FDLT/2/CC5– Dynamics of Fashion

Credits: 4 **Max. Marks: 100**

Lectures: 60 **Final Term Exam: 70**

Duration of Exam: 3Hrs. **Internal Assessment: 30**

Objectives: The objective of this course is to help the students to acquire conceptual knowledge about the dynamics of fashion and the role of fashion designers in global market.

Learning Outcomes: After completion of the course, the learners will be able to:

CO1: Learn the fashion terminology.

CO2: Deep understanding of fashion components.

CO3: Study of fashion forecasting.

CO4: Role of a fashion designer in the fashion industry.

Note for the Paper Setter: *The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions selecting at least one question from each unit.*

UNIT I

Introduction to Fashion:origin of fashion, evolution, and importance.

Terminology of fashion: concept of fashion, Common terms of fashion, and modern influence of fashion.

UNIT II

Types of fashion styles: casual, classic, sportswear, office wear, nightwear, exotic, vintage, tomboy, and street.Introduction to Fashion forecasting: colour, textile, trend, and sales forecasting

UNIT III

Components of Fashion: Tangible and Intangible. Fashion cycle; Stages, cycle length and broken fashion cycle. Theories of fashion adoption Principles of fashion. Fashion trends and analysis.

UNIT IV

The psychology of clothing. Social and cultural influences of fashion. Role of fashion designers for the development of fashion industry.

Suggested readings:

1. Diamond, J and Pinter, G. *Retail Buying,* Prentice Hall of India Pvt. Ltd., New Delhi. 1997
2. Donnellan, J., *Merchandise Buying and Management.* Fairchild Publications, New York. 1999
3. Greenwood, K.M. and Murphy, M.F., *Fashion Innovation and Marketing.* Macmillan Publishing Co. Inc., New York. 1978

BSc/FDLT/2/CC6– Surface Ornamentation –(Lab-work)

Credits: 4 (Practical) **Max. Marks: 100**

Teaching per week: 4 Hrs. **Duration of Exam: 2Hrs.**

Objective: The objective of this course is to impart practical knowledge about design and fabric embellishment

Course outcomes: After successfully completing the course, students will be able to:

CO1: learn the basic knowledge about the fabric embellishment

CO2: learn to evaluate the suitability of fabric according to the ornamentation

CO3: learn the different kinds of basic and contemporary embroideries.

CO4: Learn present observations, results, and analysis through the project work on the different fabric ornamentations

List of Experiments

1. Introduction to surface ornamentation
2. Basic stitches of embroidery:
3. Techniques of thread embroidery -Mirror Work, beads work, metallic thread embroidery, smocking, Aari work,
4. Trimmings and patch work
5. Applique work and quilting,
6. Sequin work, lurex work,gottapatti work
7. Fabric art: painting and printing
8. Contemporary embroideries
9. Preparation of some articles on fabric embellishment.
10. Market survey: visit to local showrooms/boutiques/fashion houses and analysis of their collection in terms of fashion trends.

Suggested Readings:

1 Shailaja D. Naik. *Traditional Embroideries of India,* API Pub Corp. New Delhi. 1996

2 Sheila, Paine, *Embroidered Textiles*, Thames and Hudson Ltd. 1990

3 Usha, Srikant. *Ethnic Embroideries of India*

4 Savithri, Pandit. *Indian Embroidery*

5 Gail, Lowther, *Inspirational Ideas for Embroidery on Clothes and Accessories,* Search Press Ltd., 1993

6 Barbara, Snook, *Creative Art of Embroidery,* Numbly Pub. Group Ltd., London, 1972

7 Anne Mathew. *Vogue Dictionary of Crochet Stitches,* David and Charles, London, 1989

BSc/FDLT/2/CC7–Drafting and Pattern Making (Lab-work)

Credits:2 (Practical) **Max. Marks: 50**

Teaching per week: 4 Hrs. **Duration of Exam: 3Hrs.**

Objective: The objective of this course is to help the students to acquire conceptual knowledge of apparel manufacturing techniques by drafting and pattern making

Course outcomes: After successfully completing the course, students will be able to:

CO1: Learn the appropriate use of clothing for different age groups.

CO2:understand the importance of dress designing.

CO3: Study the different techniques in pattern making.

CO4: Know the deep understanding of basic block methods of garment construction.

CO5: Construct the basic garments of adults and kids with proper techniques.

List of Experiments

1. Introduction to drafting and pattern making
2. Introduction to body forms and mannequins
3. Drafting tools and their usage
4. Introduction with the standard measurement chart
5. Preparation of basic bodice blocks for different age groups.
6. Drafting of Bodice block in children and grading techniques
7. Drafting of basic sleeves: plain, puff, leg o mutton, flared, tulip.
8. Drafting of basic collars: flat tennis, Chinese, Chelsea, bishop, wing
9. Pattern making: kids garments with the proper margin of seam allowances.
10. Collection of different bodice blocks of children(1yr-10yr)

Suggested Readings:

1. Goulbourn, Margarita. *Introducing Fashion Cutting,* Grading & Modelling, Botsford Pub. UK Bane, Allynne, Flat pattern design, McGrewHill Pub., USA
2. Winfred, Aldrich. *Metric Pattern Cutting,* Blackwell Science, UK
3. Bane A. *Creative Clothing Construction*. MC Gawk-Hill. 1996.
4. Natalie Bray. *Dress Fitting.* Blackwell. 1994.
5. Harold C. & Barbara, L. *The Technology of Clothing manufacture,* Oxford Pub., USA, 1994
6. Gerry, Cookson, *Introduction to Clothing manufacture,* Blackwell Science, UK, 1991

COMP/2/SEC2–Computer Skills

Credits:2 (Practical) **Max. Marks: 50**

Teaching per week: 4 Hrs. **Duration of Exam: 3Hrs.**

Objective: The course aims to provide practical computer knowledge and skills to students and to enhance the usefulness of information technology tools in various activities.

Course Outcomes: After completion of the course, learners will be able to:

CO1: Know about Operating System, Overview of various Computer & Mobile Operating systems and Applications.

CO2: Perform various features of Word processing such that Table, Mail merge, Hyperlink, etc.

CO3: Prepare a business presentation on MS PowerPoint.

CO4: Perform various mathematical, logical, and other functions on a large set of data using MS Excel.

UNIT-I

Windows: Installation of Windows, Windows Desktop, My computer, My documents, Network neighbourhood, Recycle Bin, Quick launch tool bar, System tray, Start menu, Task bar - System Tray - Quick launch tool bar - Start button - Parts of Windows, Keyboard Accelerators: Key board short keys or hotkeys, Working with Notepad & WordPad, Creating & Editing Images with Microsoft paint, using the Calculator, Personalising Windows.

MS-Word: Working with Documents, Formatting page & setting Margins, Converting files to different formats, Importing & Exporting documents, Formatting Documents - Setting Font styles, Font selection- style, Setting Paragraph style, Alignments, Indents, Line Space, Margins, Bullets& Numbering. Setting Page style - Formatting Page, Page tab, Margins, Layout settings, Border & Shading, Columns, Header & footer, Setting Footnotes & end notes, page break, Setting Document styles, Table of Contents, Index, Page Numbering, date & Time, Creating Tables- Table settings, Borders, Alignments, Insertion, deletion, Merging, Splitting, Sorting, Drawing - Inserting Clip Arts, Pictures/Files, Tools –Spell Checks, Mail merge, Templates, Printing Documents.

UNIT-II

MS-Excel: Spread Sheet & its Applications, Opening Spreadsheet, Menus , Working with Spreadsheets- opening, Saving files, setting Margins, Spread sheet addressing - Rows, Columns & Cells, Referring Cells & Selecting Cells – Shortcut Keys. Entering & Deleting Data, Inserting Data, Insert Cells, Column, rows & sheets, Inserting Functions, Formula - finding total in a column or row, Mathematical operations (Addition, Subtraction, Multiplication, Division, Exponentiation), Formatting

Spreadsheets- Labelling columns & rows, Formatting- Cell, row, column & Sheet, Category - Alignment, Font, Border & Shading, Hiding/ Locking Cells, Working with sheets – Sorting, Filtering, Creating Charts , Tools – Error checking, Spell Checks.

MS-Power-Point: Introduction to presentation – Opening new presentation, Different presentation templates, setting backgrounds, selecting presentation layouts. Creating a presentation-Setting Presentation style, Adding text to the Presentation. Formatting a Presentation-Adding style, Colour, Arranging objects, Adding Header & Footer, Slide Background, Slide layout. Adding Graphics to the Presentation- Inserting pictures, tables into presentation, Adding Effects to the PresentationSetting Animation & transition effect.

Suggested Readings:

1. Bharihoka, D. (2012). Fundamentals of Information Technology. New Delhi: Excel Book.
2. Boockholdt, J. L. (1999). Accounting Information System: Transaction Processing and Control. Boston: Irwin McGraw Hill.
3. Gelinas, U. J., & Steve, G. S. (2002). Sutton, Accounting Information System. Mason: South Western Thomson Learning.
4. Hall, J. A. (2006). Accounting Information System. Nashville: South Western College Publishing.
5. Rajaraman, V. (2018). Introduction to Information Technology. New Delhi: PHI Learning Pvt. Ltd.
6. Note: Open-Source Software or MS Excel, MS Access, and Tally may be used at appropriateplace

Generic Elective Courses

BSc/FDLT/1/GEC1–Fundamentals of Design

Credits: 4 **Max. Marks: 100**

Lectures: 60 **Final Term Exam: 70**

Duration of Exam: 3 Hrs. **Internal Assessment: 30**

Objective: The main objective of this subject is to make the students understand the basic elements & principles of Design to create a new product.

Course Outcomes: After completion of the course, learners will be able to:

CO1: Introduced with different elements of design.

CO2: Study of principles of design.

CO3: Proper use of colour and its schemes.

CO4: Suitable clothing according to different age groups.

Note for the Paper Setter: *The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions selecting at least one question from each unit.*

UNIT I

Introduction to design: the concept of design, classification of design,

Elements of Design: Color, texture, shape, line, dots, checks, prints, and rendering effect

Importance of art and design in visualization

UNIT II

Color schemes- Warm, Cool, Hue, Value, Intensity, Complementary, split complementary, achromatic, monochromatic analogous, tints, tones, and shades.

Color composition: Color mixing, visual identification of hues in color and generation of the same.

UNIT III

Principles of design: Repetition, Gradation, Radiation, Dominance, and Contrast balance proportion emphasis on rhythm, Unity and harmony.

Integration of elements and principles of design to develop a product: the inspirational concept of design to generate innovation, theme-based designing,

UNIT IV

Selection of suitable clothing and design: occasional selection, traditional and contemporary

Clothing of different age groups; infants, children, teenagers, adults, old age.

factors affecting the selection of clothing: occasion, personality, budget, age group and season

Suggested Readings:

1. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry.*
2. Elements of Design: Rowena Reed Kostellow and the Structure of Visual Relationships, Gail Greet Hannah, 2002
3. Basic Principles of Design, Manfred Maier, Vol. 1-4
4. Comdex Fashion Design, Vol I, Fashion Concepts, Navneet Kaur, Vikas Pub, 2010
5. Sodhia M., *Design Studies*, Kalyani Publishers.
6. Farem S. and Hudson T., *Fashion design course*
7. Lewis T., *Ultimate guide to become a designer*

BSc/FDLT/2/GEC2– Fashion Dynamics

Credits: 4	**Max. Marks: 100**
Lectures: 60	**Final Term Exam: 70**
Duration of Exam: 3 Hrs.	**Internal Assessment: 30**

Objectives: The objective of this course is to help the students to acquire conceptual knowledge about the dynamics of fashion.

Course Outcomes: After completion of the course, the learners will be able to:

CO1: Introduction to fashion definitions.

CO2: Deep understanding of fashion components.

CO3: Study of fashion forecasting.

CO4: Role of fashion designer in fashion industry.

Note for the Paper Setter: *The question paper will consists of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions selecting at least one question from each unit.*

UNIT I

Introduction to Fashion: origin of fashion, evolution, and importance.

Terminology of fashion: concept of fashion, Common terms of fashion, and modern influence of fashion.

Types of fashion styles: casual, formal, classic, sportswear, officewear, nightwear, exotic, vintage, tomboy, and street.

UNIT II

Introduction to Fashion forecasting: color, textile, trend, and sales forecasting

Importance of fashion forecasting: sources of forecasting, Speed of fashion change & short-term forecasting

UNIT III

Components of Fashion: Tangible and Intangible. Fashion cycle; Stages, cycle length and broken fashion cycle. Theories of fashion adoption Principles of fashion. Fashion trends and analysis. The psychology of clothing. Social and cultural influences of fashion

UNIT IV

Role of fashion designers for the development of fashion industry.

Indian fashion designers and International fashion designer

Fashion Industry and its impact on human lifestyle.

Suggested readings:

1. Diamond, J and Pinter, G. *Retail Buying,* Prentice Hall of India Pvt. Ltd., New Delhi. 1997
2. Donnellan, J.,*Merchandise Buying and Management.* Fairchild Publications, New York. 1999
3. Greenwood, K.M. and Murphy, M.F., *Fashion Innovation and Marketing.* Macmillan Publishing Co. Inc., New York. 1978