

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
B.Sc. (Fashion Design) Batch 2018 onwards

Study Scheme & Syllabus of

B. Sc. Fashion Design
(FD)

Batch 2018 Onwards



By
Board of Studies Fashion Designing
Department of Academics
I. K. Gujral Punjab Technical University

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Bachelor of Science in Fashion Design (BSFD):

It is an Under Graduate (UG) Programme of 3 Years (6 Semesters) duration.

Eligibility for Admission:

All those candidates who have passed the 10+2 or its equivalent examination in any stream conducted by a recognized Board / University / Council. **OR**

General Certificate Education (GCE) Examination (London/ Cambridge/ Sri-Lanka) at the Advanced (A) level. **OR**

A pass grade in the Senior Secondary School Examination conducted by the National Open School with a minimum of five subjects **OR**

Candidates who have passed 3 or 4 years diploma recognised by AICTE or a State Board of Technical Education.

Courses & Examination Scheme:

First Semester

Contact Hrs : 35Hrs

Course Code	Course Type	Course Title	Load Allocations			Marks Distribution		Total Marks	Credits
			L*	T*	P	Internal	External		
BSFD101-18	Theory	Elements of Textiles	1	1	0	40	60	100	2
BSFD102-18	Theory	Elements of Fashion	1	1	0	40	60	100	2
BSFD103-18	Core Practical/Laboratory	Elements of Design	0	0	5	60	40	100	3
BSFD104-18	Practical/Laboratory	Fashion Model Drawing I	0	0	3	60	40	100	2
BSFD105-18	Practical/Laboratory	Fashion Art I	0	0	3	60	40	100	2
BSFD106-18	Practical/Laboratory	Sketching	0	0	3	60	40	100	2
BSFD107-18	Practical/Laboratory	Basics of Computers	0	0	3	60	40	100	2
BSFD108-18	Practical/Laboratory	Garment Construction-1	0	0	6	60	40	100	3
BTHU103-18	Ability Enhancement Compulsory Course (AECC)-I	English	1	0	0	40	60	100	1
BTHU104-18	Ability Enhancement Compulsory Course (AECC)	English Practical/Laboratory	0	0	2	60	40	100	1
HVPE101-18	Ability Enhancement Compulsory Course (AECC)	Human Values, De-addiction and Traffic Rules	3	0	0	40	60	100	2
HVPE102-18	Ability Enhancement Compulsory Course (AECC)	Human Values, De-addiction and Traffic Rules (Lab/ Seminar)	0	0	1	25	--**	25	2
BMPD102-18		Mentoring and Professional Development	0	0	1	25	--**	25	1
TOTAL			06	02	27	630	520	1150	25

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Second Semester

Contact Hours: 37

Course Code	Course Type	Course Title	Load Allocations			Marks Distribution		Total Marks	Credits
			L*	T*	P	Internal	External		
BSFD201-18	Theory	History of Indian Costumes	2	0	0	40	60	100	2
BSFD202-18	Theory	Indian Art Appreciation	2	0	0	40	60	100	2
BSFD203-18	Theory	Traditional Indian Textiles and Embroideries	2	0	0	40	60	100	2
BSFD204-18	Practical/Laboratory	Elements of Design	0	0	3	60	40	100	2
BSFD205-18	Practical/Laboratory	Fashion Model Drawing-II	0	0	3	60	40	100	2
BSFD206-18	Practical/Laboratory	Fashion Art II	0	0	3	60	40	100	2
BSFD207-18	Core Practical/Laboratory	Pattern Making	0	0	6	60	40	100	3
BSFD208-18	Practical/Laboratory	Computer application	0	0	3	60	40	100	2
BSFD209-18	Core Practical/Laboratory	Garment Construction –II	0	0	6	60	40	100	3
BSFD210-18	Practical/Laboratory	Fashion Photography	0	0	4	60	40	100	2
EVS102-18	Ability Enhancement Compulsory Course (AECC) -III	Environmental Science	2	0	0	40	60	100	2
BMPD202-18		Mentoring and Professional Development	0	0	1	25	--	25	1
TOTAL			8	0	29	605	520	1125	25

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Third Semester

Contact Hrs : 42Hrs

Course Code	Course Type	Course Title	Load Allocations			Marks Distribution		Total Marks	Credits
			L*	T*	P	Internal	External		
BSFD301-18	Theory	Dyeing and printing Techniques	1	1	0	40	60	100	2
BSFD302-18	Theory	History of Western Costumes	1	1	0	40	60	100	2
BSFD303-18	Core Practical/Laboratory	World Art Appreciation	2	0	3	60	40	100	3
BSFD304-18	Practical/Laboratory	Pattern making+Draping	0	0	6	60	40	100	3
BSFD305-18	Practical/Laboratory	Design Process	0	0	3	60	40	100	2
BSFD306-18	Practical/Laboratory	CAD I	0	0	3	60	40	100	2
BSFD307-18	Practical/Laboratory	Garment Making	0	0	6	60	40	100	3
BSFD308-18	Practical/Laboratory	Yarn Craft	0	0	3	60	40	100	2
BSFD309-18	Practical/Laboratory	Fashion Art III	0	0	3	60	40	100	2
BSFD310-18	Field Research and documentation	Craft Documenation	0	0	4	40	60	100	2
BSFD311-18	Skill enhancement course-I	Hand Printing and painting technique	0	0	2	60	40	100	1
BSFD312-18	Skill enhancement course-Laboratory	Embroideries	0	0	2	40	60	100	1
BMPD302-18		Mentoring and Professional Development for Documenting craft	0	0	1	25	--**	25	1
TOTAL			04	02	36	665	560	1225	26

Craft Documentation will be undertaken during the semester for a period of 10 working days.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Fourth semester

Contact Hrs -35

Course Code	Course Type	Course Title	Load Allocations			Marks Distribution		Total Marks	Credits
			L*	T*	P	Internal	External		
BSFD401-18	Theory	Fundamental of Apparel Production	0	3	0	40	60	100	3
BSFD402-18	Theory	Survey of Apparel Merchandising	0	4	0	40	60	100	4
BSFD403-18	Core Practical/Laboratory	Fabric Research & Sourcing	0	0	3	60	40	100	2
BSFD404-18	Practical/Laboratory	CAD II	0	0	3	60	40	100	2
BSFD405-18	Practical/Laboratory	Pattern making+Grading	0	0	6	60	40	100	3
BSFD406-18	Practical/Laboratory	Fashion Art IV	0	0	3	60	40	100	2
BSFD407-18	Practical/Laboratory	Advance Draping	0	0	3	60	40	100	2
BSFD408-18	Practical/Laboratory	Garment Construction +fabric studies	0	0	6	60	40	100	3
BSFD409-18	Skill enhancement course-II	Fabric surface technique	0	0	3	60	40	100	2
BMPD402-18		Mentoring and Professional Development	0	0	1	25	--**	25	1
TOTAL			00	07	28	525	440	965	24

Internship will be under taken in the summer break after semester IV.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Fifth Semester

Contact Hours: 35

Course Code	Course Type	Course Title	Load Allocations			Marks Distribution		Total Marks	Credits
			L*	T*	P	Internal	External		
BSFD501-18	Core /Theory	Technical Textile	0	4	0	40	60	100	4
	Practical/Laboratory	Men's wear	0	0	4	100		100	2
BSFD-502-18	Practical/Laboratory	Knit Wear	0	0	4	100		100	2
BSFD-503-18	Practical/Laboratory	Kids wear	0	0	4	100		100	2
BSFD-504-18	Practical/Laboratory	Computer Aided Design advance	0	0	4	100		100	2
BSFD-505-18	Practical/Laboratory	Creative pattern making	0	0	4	100		100	2
BSFD-506-18	Practical/Laboratory	Trend Forecast	0	0	4	100		100	2
BSFD-507-18	Practical/Laboratory	Fashion Research and Design Documentation	0	0	4	100		100	2
BMPD502-18		Mentoring and Professional Development	0	0	1	25	--**	25	1
	TOTAL		00	04	29	765	60	825	19

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Sixth Semester

Contact Hours:18

Course Code	Course Type	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
BSFD601-18	Core Practical/Laboratory	Art Portfolio	0	0	4	60	40	100	2
BSFD602-18	Skill enhancement course-IV	Intellectual Property Rights	0	4	0	40	60	100	4
BSFD603-18	Skill enhancement course-IV-Laboratory	Design Collection	0	0	10	300	200	500	5
BMPD602-18		Mentoring and Professional Development	0	0	0	25	--**	25	1
	Total				18	425	300	725	12

SYLLABUS

SEMESTER - I

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 101-18

ELEMENTS of TEXTILES

Course Objectives :

1. To be familiar with the terminology of textiles.
2. To understand the performance characteristics of different fibers, yarns and fabrics.

Contents

UNIT - I

1. Overview of the Textile industry.
2. Emerging Textile Technology.
3. SWOT analysis of the Indian Textile industry.
4. Basic Fiber properties
5. Classification of fibers
6. Natural fibers- Sources, properties & end use, cotton, flax, jute, wool and silk

UNIT - II

1. Manmade fibers- Rayon, Acetate, Nylon, Polyester, Acrylic, Spandex, Polyolefin.
2. Yarn classification
3. Yarn spinning
4. Yarn numbering system

UNIT - III

1. Basics of weaving
2. Basic weaves
3. Introduction to Non-Woven fabrics
4. Common fabric names
5. Care Labelling

Instructions to the Teacher:

Field trip to a spinning and weaving unit will be taken.

Instructions to the Examiner:

1. There will be one compulsory objective question (multiple choice questions or fill in the

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

blanks or True/False questions) covering all units, carrying 30 marks.

2. There will be six questions of 10 marks each, out of which three questions are compulsory. The questions will be two from each unit.
3. It will be compulsory to attempt one question from each unit.

Reference Books:

1. Fiber to Fabric by: Corbman
2. Textiles by: Sara J. Kadolph
3. Textile Science by: Gohl & Vilensky
4. Fabric Science by : Joseph Pizzut

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 102-18

ELEMENTS OF FASHION

Course Objectives :

The main objective of this course is to make the student understand the intricacy and importance of Fashion.

1. Discussion on the course structure. Definition of Fashion. Motives for consumer buying- practical and aesthetic. Clothes vs fashion.
2. Inspirational sources of fashion (relating them to elements of fashion)
3. Color-color wheel, dimensions of color, color naming and psychological association of colors.
4. Fabric, texture and line (relating them to principles of design)
5. Interplan of elements of design (relating it to anthropometrics)
6. Silhouettes- Necklines, collars and sleeves Variations of skirts, dresses and trousers. Variations of coats and jackets
7. Detailing- pleats, tucks, darts, yokes and godets.
8. Detailing – hemlines, edgings, pockets and fastenings.
9. Fashion cycle- concept of haute couture, RTW and street fashion.
10. Fashion Forecasting – Concept of seasons, fairs and international markets.
11. International designers
12. Brand Analysis – Fashion & Textile Accessories.
13. Fashion Criticism
14. Trimmings and accessories.
15. Final Project

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 103-18

ELEMENTS of DESIGN

Objective :

The course aim to enable the students to interpret the EOD in terms of printing techniques. The students understand:

1. Line –movement –conversion into strips n checks
2. Shape –visualization of an image through line and plane using ‘-ve’ ‘+ve’ space
3. Textures –an introduction to the basic materials, creating textures using all, art media like pencils, crayons, pastels, paints etc.
 - (a) Spontaneous textures
 - (b) Decorative textures
 - (c) Mechanical textures
 - (d) Using the method of drawing, painting, printing, bleaching, rubbing, spraying, staining, dyeing, burning etc.
 - (e) Non-woven fusing, papers, fabric.
 - (f) Exploration of various material to enhance texture using yarn, paper, fabric etc.
4. Form –motif development.
 - (a) Introduction to motif.
 - (b) Development of a motif from an inspiration-naturalized, stylized, geometrical, simplified and abstract form.
5. Color – application of colors based on physiology /psychology of colors
Note : Color application is integral to all of the above and to be coordinated with EOD(basic designs)
6. Composition-college on themes, theme boards, motif development based on themes.
7. Introduction to various textile design techniques:-
 - (a) Stencil printing
 - (b) Batik printing
 - (c) Tie n dye
 - (d) Block printing
 - (e) Hand printing
 - (f) End project
 - (g) Work on placements on a t-shirt or any other item of clothing using the various techniques

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 104-18

FASHION MODEL DRAWING-I

Course Objectives:

1. Familiarity with the anatomy of the human body.
2. Understanding of body proportion with special reference to:
 - (b) anatomy
 - (c) movement
 - (d) Posture
 - (e) details
3. Understanding of the movement of the human body

UNIT – I

Stick Figures (Actions, Balance)

Exercise - 1

1. Use of match stick figures to check basic proportions.
2. Making them free in order to avoid the stiffness without detailing of heads, feet & arms
3. Action figure will determine by the movement in torso and legs balance
4. Placing weight on right and left foot individually. (Live models to be used for exercise).

Exercise - 2

1. Round out the figure in order to achieve a more natural look. Get familiar with the grid proportion.
2. Observe the balance of the body, the bend in the body whether pushed in or out. (Once familiar with a grid proportions using the figure as one builds it.)

UNIT- II

Gestures and Scribbling (Studio Life Study)

Exercise - 3

1. To conquer the ability of drawing the figure scribbling.
2. To loosen up the hand and one could have some fun by scribbling. This exercise can help to free one from free
3. Conceived notion that sketching must be neat. Draw loose gestures in scribble form with the size of head which one feels comfortable with. Keep adding part by part to one single figure.
4. Drawing the head with create figure size. Draw the torso and then the legs.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Exercise - 4

The figure can become exciting when action is added. Action could be used by dropping the shoulder on the same side as the high hip is raised. The same slant is reflected in both knees and ankle position.

UNIT- III

Grid Proportions (Actions & Movements)

Exercise - 5

1. Along with the given information using grid and various proportions sketching is very essential. Sketching could be done from the model provided or by the students themselves.
2. The actions of sports persons or models on ramp can be observed (through photographs or magazines)

(This exercise remains most important and which takes maximum effort and time.)

Exercise - 6

1. Learning balance, movement when one draws the figure, it is important to understand how the body moves. What are the possibilities and why.
2. The dynamics of balance in pose. Front, profile and back live models could be provided for this exercise.

UNIT – IV

Three Dimensional Quality

Exercise - 7

1. Concentrate on qualitative and effective drawing ability, capture the 3 dimensional quality with single line drawing giving stress to the points where it is needed soft rendering to be introduced.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSC FD 105-18

FASHION ART-I

Course Objectives :

- The emphasis is on the understanding of basic proportions of the fashion figure through the analysis of photographs and using figure research as a basis for the creation of fashion design sketches.
- Relative differences between normal and fashion figure.
- Geometric fashion model with movable ball joints.
 - Stationery pose
 - Motion
 - Bending
- Introduction to line drawing figure capturing the essence of a pose.
- Relating a line drawing croqui to geometric croqui (both with the same pose). The aim is to understand the posture and concept of balance and motion.
- Figure analysis through photographs as the initial introduction to the flesh figure.
 - Front
 - $\frac{3}{4}$
 - Side
 - Back
- Understanding of Style line placement on croquis.(dummy can be observed and can be placed for sketching the style lines)
- Analysis of faces and hair style to understand the structure of the skull with emphasis on simplification of lines.
- Analysis of fashion hands
- Analysis of fashion feet (with/without shoes) rendering of fashion Accessories, Hand bags, Belts, Jewelry Shoes

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 106-18

SKETCHING

Course Objectives :

The objective of the course is to increase the proficiency in drawing skills and to inculcate creative ability in the application of these acquired skills to translate as ideas for design.

- Introduction to basics of Sketching & Drawing.
- Introduction to Still life by practicing simple and easy objects like a book, a brick or a shoe box.
- Still life (an object on the book for e.g. a fruit or fruits) in colour pencils.
- Still life with a cluster of objects comprising a pile of books, fruits, vases, flowers etc.
- Introduction of Drapery in oil pastels.
- Drapery along with a cluster of objects.
- Drawing in active environment, outdoor activities, quick and on the spot sketching. Drawing and practice of sketching of outdoor surroundings comprising of flora and fauna.
- Introduction to perspective.
- Practicing perspective by drawing buildings etc along with trees etc.
- Practice perspective in colour.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 107-18

BASICS OF COMPUTER

Course Description:

Develops introductory skills in the Microsoft Office Suite (Word, Excel and PowerPoint), Windows Explorer, Internet, and computer concepts through demonstrations and lab exercises.

Course Objectives and Contents

Upon completion of this course students will be able to:

1. Demonstrate an advanced knowledge of the Word Processing package, MS Office and a knowledge of how to design & create effective and structured documents like technical reports, letters, brochures, etc.
2. Demonstrate the skills in the appropriate use of various features of the spread sheet package MS Excel and also to create useful spreadsheet applications like tabulated statements, balance sheets, statistical charts, business statements, etc.
3. Demonstrate the skills in making an effective presentation with audio and video effects.
4. Draw graphical pictures, flow charts, block diagrams etc., using the drawing tools available in MS Word or MS Power Point and incorporate them into documents and presentations.

Examination /Evaluation Scheme

Practical Examination: One Practical examination of 3 hours duration will be conducted on the modules described in the curriculum. The maximum marks will be 100.

Note: All topics are covered in extreme detail with practical examples for all.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 108-18

GARMENT CONSTRUCTION-I

Objectives:

1. To understand and appreciate different kinds of stitches and seams.
2. To develop the skills of operating the machine.
3. To develop the skills of making seams, tucks, pleats etc.
4. To understand the utility of seams gathers, shirring etc. as used in garments both for construction and as design feature.

Course:

1. Introduction to garment construction basic principles and techniques.
2. Construction, parts and working of sewing machine.
 - (a) Threading.
 - (b) Bobbin binding.
 - (c) Maintenance.
 - (d) Common problems (practice section on the machine).
3. Definition and understanding of hand stitching techniques.
 - (a) Basting: uneven/even/diagonal running stitch
 - (b) Hemming: plain, blind, slip
 - (c) Marking
 - (d) Padding
 - (e) Button hole
 - (f) Over casting
4. Definition and understanding of basic seams: Plain/ Flat Fell/ Lap/ French and False French/ Bound/ Bias/ Corded/ Piped/ Eased/ Princess/ Taped.
5. Understanding of basic techniques like:
 - (a) Tucks
 - (b) Pleats
 - (c) Gathers
 - (d) Shirring
 - (e) Ruffles

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Evaluation Criteria:

At the end of the semester the student should be well-versed in all the above stitches, seams and techniques. Evaluation on the basis of the following:

1. Attendance.
2. Assignments (Both class and home)

Recommended Books:

1. The Practical Encyclopedia of Sewing: By-Dorothy Wood: Lorenz Books
2. The Complete Book of Sewing: Dorling Kindersley
3. Sewing and Knitting: A Reader's Digest step –by-step guide
4. Comparative Construction Techniques Clothing Construction :SherieDoongaji Sewing Manual:Singer
5. Stitch World
6. Apparel Views

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

AECC
BTHU103/18 English:
1L 0T 0P 1 Credit

Course Outcomes:

- The objective of this course is to introduce students to the theory, fundamentals and tools of communication.
- To help the students become the independent users of English language.
- To develop in them vital communication skills which are integral to their personal, social and professional interactions.
- The syllabus shall address the issues relating to the Language of communication.
- Students will become proficient in professional communication such as interviews, group discussions, office environments, important reading skills as well as writing skills such as report writing, note taking etc.

The recommended readings given at the end are only suggestive; the students and teachers have the freedom to consult other materials on various units/topics given below. Similarly, the questions in the examination will be aimed towards assessing the skills learnt by the students rather than the textual content of the recommended books.

Detailed Contents:

Unit1- 1 (Introduction)

- Theory of Communication
- Types and modes of Communication

Unit- 2 (Language of Communication)

- Verbal and Non-verbal
- (Spoken and Written)
- Personal, Social and Business
- Barriers and Strategies
- Intra-personal, Inter-personal and Group communication

Unit-3 (Reading and Understanding)

- Close Reading
- Comprehension
- Summary Paraphrasing
- Analysis and Interpretation
- Translation(from Hindi/Punjabi to English and vice-versa)
- Literary/Knowledge Texts

Unit-4 (Writing Skills)

- Documenting
- Report Writing
- Making notes
- Letter writing

Recommended Readings:

1. *Fluency in English* - Part II, Oxford University Press, 2006.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

2. *Business English*, Pearson, 2008.
3. *Language, Literature and Creativity*, Orient Blackswan, 2013.
4. *Language through Literature* (forthcoming) ed. Dr. Gauri Mishra, Dr Ranjana Kaul,
Dr Brati Biswas
5. *On Writing Well*. William Zinsser. Harper Resource Book. 2001
6. *Study Writing*. Liz Hamp-Lyons and Ben Heasley. Cambridge University Press. 2006.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

AECC
BTHU104/18 English Practical/Laboratory
: 0L 0T 2P 1 Credit

Course Outcomes:

- The objective of this course is to introduce students to the theory, fundamentals and tools of communication.
- To help the students become the independent users of English language.
- To develop in them vital communication skills which are integral to personal, social and professional interactions.
- The syllabus shall address the issues relating to the Language of communication.
- Students will become proficient in professional communication such as interviews, group discussions and business office environments, important reading skills as well as writing skills such as report writing, note taking etc.

The recommended readings given at the end are only suggestive; the students and teachers have the freedom to consult other materials on various units/topics given below. Similarly, the questions in the examination will be aimed towards assessing the skills learnt by the students rather than the textual content of the recommended books.

Interactive practice sessions in Language Lab on Oral Communication

- Listening Comprehension
- Self Introduction, Group Discussion and Role Play
- Common Everyday Situations: Conversations and Dialogues
- Communication at Workplace
- Interviews
- Formal Presentations
- Monologue
- Effective Communication/ Mis- Communication
- Public Speaking

Recommended Readings:

1. *Fluency in English* - Part II, Oxford University Press, 2006.
2. *Business English*, Pearson, 2008.
3. *Practical English Usage*. Michael Swan. OUP. 1995.
4. *Communication Skills*. Sanjay Kumar and Pushp Lata. Oxford University Press. 2011.
5. *Exercises in Spoken English*. Parts. I-III. CIEFL, Hyderabad. Oxford University Press

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

HVPE101-18	Ability Enhancement Compulsory Course (AECC)	Human Values, De-addiction and Traffic Rules
------------	--	--

Course Objective

This introductory course input is intended

- a. To help the students appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity which are the core aspirations of all human beings.
- b. To facilitate the development of a Holistic perspective among students towards life, profession and happiness, based on a correct understanding of the Human reality and the rest of Existence. Such a holistic perspective forms the basis of Value based living in a natural way.
- c. To highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behavior and mutually enriching interaction with Nature.

Thus, this course is intended to provide a much needed orientational input in Value Education to the young enquiring minds.

Course Methodology

- The methodology of this course is universally adaptable, involving a systematic and rational study of the human being vis-à-vis the rest of existence.
- It is free from any dogma or value prescriptions.
- It is a process of self-investigation and self-exploration, and not of giving sermons. Whatever is found as truth or reality is stated as proposal and the students are facilitated to verify it in their own right based on their Natural Acceptance and Experiential Validation.
- This process of self-exploration takes the form of a dialogue between the teacher and the students to begin with, and within the student himself/herself finally.
- This self-exploration also enables them to evaluate their pre-conditionings and present beliefs.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

HVPE101-18	Ability Enhancement Compulsory Course (AECC)	Human Values, De-addiction and Traffic Rules
------------	--	--

Total no. of Lectures:

28

[L-T-P: 3-0-0]

Content for Lectures:

Module 1: Course Introduction - Need, Basic Guidelines, Content and Process for Value Education

[6]

1. Understanding the need, basic guidelines, content and process for Value Education
2. Self Exploration–what is it? - its content and process; ‘Natural Acceptance’ and Experiential Validation- as the mechanism for self exploration
3. Continuous Happiness and Prosperity- A look at basic Human Aspirations
4. Right understanding, Relationship and Physical Facilities- the basic requirements for fulfillment of aspirations of every human being with their correct priority
5. Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario
6. Method to fulfill the above human aspirations: understanding and living in harmony at various levels

Module 2: Understanding Harmony in the Human Being - Harmony in Myself!

[6]

7. Understanding human being as a co-existence of the sentient ‘I’ and the material ‘Body’
8. Understanding the needs of Self (‘I’) and ‘Body’ - *Sukh* and *Suvidha*
9. Understanding the Body as an instrument of ‘I’ (I being the doer, seer and enjoyer)
10. Understanding the characteristics and activities of ‘I’ and harmony in ‘I’
11. Understanding the harmony of I with the Body: *Sanyam* and *Swasthya*; correct appraisal of Physical needs, meaning of Prosperity in detail
12. Programs to ensure *Sanyam* and *Swasthya*
- Practice Exercises and Case Studies will be taken up in Practice Sessions.

Module 3: Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship

[6]

13. Understanding harmony in the Family- the basic unit of human interaction
14. Understanding values in human-human relationship; meaning of *Nyaya* and program for its fulfillment to ensure *Ubhay-tripti*;
Trust (*Vishwas*) and Respect (*Samman*) as the foundational values of relationship
15. Understanding the meaning of *Vishwas*; Difference between intention and competence
16. Understanding the meaning of *Samman*, Difference between respect and differentiation; the other salient values in relationship

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

17. Understanding the harmony in the society (society being an extension of family): *Samadhan, Samridhi, Abhay, Sah-astitva* as comprehensive Human Goals
18. Visualizing a universal harmonious order in society- Undivided Society (*Akhand Samaj*), Universal Order (*Sarvabhaum Vyawastha*)- from family to world family!
- Practice Exercises and Case Studies will be taken up in Practice Sessions.

Module 4: Understanding Harmony in the Nature and Existence - Whole existence as Co-existence

[4]

19. Understanding the harmony in the Nature
20. Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature
21. Understanding Existence as Co-existence (*Sah-astitva*) of mutually interacting units in all-pervasive space
22. Holistic perception of harmony at all levels of existence
- Practice Exercises and Case Studies will be taken up in Practice Sessions.

Module 5: Implications of the above Holistic Understanding of Harmony on Professional Ethics

[6]

23. Natural acceptance of human values
24. Definitiveness of Ethical Human Conduct
25. Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order
26. Competence in professional ethics:
 - a) Ability to utilize the professional competence for augmenting universal human order,
 - b) Ability to identify the scope and characteristics of people-friendly and eco-friendly production systems,
 - c) Ability to identify and develop appropriate technologies and management patterns for above production systems.
27. Case studies of typical holistic technologies, management models and production systems
28. Strategy for transition from the present state to Universal Human Order:
 - a) At the level of individual: as socially and ecologically responsible engineers, technologists and managers
 - b) At the level of society: as mutually enriching institutions and organizations

Text Book

R R Gaur, R Sangal, G P Bagaria, 2009, *A Foundation Course in Value Education*.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Reference Books

1. Ivan Illich, 1974, *Energy & Equity*, The Trinity Press, Worcester, and HarperCollins, USA
2. E.F. Schumacher, 1973, *Small is Beautiful: a study of economics as if people mattered*, Blond & Briggs, Britain.
3. A Nagraj, 1998, *Jeevan Vidya ek Parichay*, Divya Path Sansthan, Amarkantak.
4. Sussan George, 1976, *How the Other Half Dies*, Penguin Press. Reprinted 1986, 1991
5. PL Dhar, RR Gaur, 1990, *Science and Humanism*, Commonwealth Purblishers.
6. A.N. Tripathy, 2003, *Human Values*, New Age International Publishers.
7. Subhas Palekar, 2000, *How to practice Natural Farming*, Pracheen(Vaidik) Krishi Tantra Shodh, Amravati.
8. Donella H. Meadows, Dennis L. Meadows, Jorgen Randers, William W. Behrens III, 1972, *Limits to Growth – Club of Rome’s report*, Universe Books.
9. E G Seebauer & Robert L. Berry, 2000, *Fundamentals of Ethics for Scientists & Engineers*, Oxford University Press
10. M Govindrajran, S Natrajan & V.S. Senthil Kumar, *Engineering Ethics (including Human Values)*, Eastern Economy Edition, Prentice Hall of India Ltd.
11. B P Banerjee, 2005, *Foundations of Ethics and Management*, Excel Books.
12. B L Bajpai, 2004, *Indian Ethos and Modern Management*, New Royal Book Co., Lucknow. Reprinted 2008.

Relevant CDs, Movies, Documentaries & Other Literature:

1. Value Education website, <http://uhv.ac.in>
2. Story of Stuff, <http://www.storyofstuff.com>
3. Al Gore, *An Inconvenient Truth*, Paramount Classics, USA
4. Charlie Chaplin, *Modern Times*, United Artists, USA
5. IIT Delhi, *Modern Technology – the Untold Story*

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

HVPE102-18	Ability Enhancement Compulsory Course (AECC)	Human Values, De-addiction and Traffic Rules (Lab/ Seminar)
-------------------	---	--

One each seminar will be organized on Drug De-addiction and Traffic Rules. Eminent scholar and experts of the subject will be called for the Seminar at least once during the semester. It will be binding for all the students to attend the seminar.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Guidelines regarding Mentoring and Professional Development

The objective of mentoring will be development of:

- Overall Personality
- Aptitude (Technical and General)
- General Awareness (Current Affairs and GK)
- Communication Skills
- Presentation Skills

The course shall be split in two sections i.e. outdoor activities and class activities.
For achieving the above, suggestive list of activities to be conducted are:

Part – A (Class Activities)

1. Expert and video lectures
2. Aptitude Test
3. Group Discussion
4. Quiz (General/Technical)
5. Presentations by the students
6. Team building Exercises

Part – B (Outdoor Activities)

1. Sports/NSS/NCC
2. Society Activities of various students chapter i.e. ISTE, SCIE, SAE, CSI, Cultural Club, etc.

Evaluation shall be based on rubrics for Part – A & B

Mentors/Faculty incharges shall maintain proper record student wise of each activity conducted and the same shall be submitted to the department.

SYLLABUS

SEMESTER - II

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 201-18

HISTORY OF INDIAN COSTUMES

Course Objectives :

The objective of the course is give an insight and input about the various aspects of the History of the Indian costumes from the ancient times onwards. The students learn about the historic importance and relevance of the costumes and take inspiration and influence for their own creations.

1. Origin of clothing
2. Major Civilizations of the world
3. Clothing in the socio-cultural-content- factors affecting clothing habits and preferences.
 - Study of any one tribe from anypart of the world
 - Study of regional costumes and lifestyles of India. Indus Valley civilizations
4. Vedic period (1200 BC to 600 BC)
 - EarlyVedic Period (1200 – 900 BC)
 - Late Vedic Period (900-600 BC) Past – Vedic period (600 BC- 323 BC)
5. Maurayan & Sunga period (321 BC-72 BC)
 - Maurayan (321-185 BC)
 - Sunga (185-72 BC)
6. Satavhana Andhra period (200 BC-250 AD)
 - Early period (200 BC-160 BC)
 - Late period (100 BC-250 AD)
7. Kushan period (130 BC-185 AD)
8. Gupta period (4th CenturyAD-Middle 8th Century)
9. Natya Shastra –Performing Arts.
10. Mughal Period
11. British Period
12. Pre and Post –independence era
13. Contemporary costumes

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 202-18

INDIAN ART APPRECIATION

Course Objectives :

The objective of the course is to give an insight and input about the various aspects of the History of Indian Art right from the origin. The students learn about the historic importance and relevance of the various aspects and phases of the Indian Art and take inspiration and influence for their own creations during the course.

UNIT - I

- The Art & Architecture of : Indus Valley Civilization
- Gupta Architecture
- Mauryan Art

UNIT - II

- Ajanta & Ellora
- The Temples of Orissa
- Khajuraho

UNIT - III

- Mughal Miniatures
- Rajasthani Miniatures
- Pahari Miniatures

UNIT - IV

- Tomb of Humayun
- Taj Mahal
- Buland Darwaza

Discussions/Presentations:

Instruction to the Examiner:

Presentations on topics in groups should be given.

Reference Books:

1. Indian architecture (Hindu & Buddhist) by Percy Brown
2. Indian architecture (Islamic) by Percy Brown
3. The Art of India by C. Sivaramamurti
4. A History of Fine Arts by Edith Tomory

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 203-18

TRADITIONAL INDIAN TEXTILES AND EMBROIDERIES

Course Objectives :

1. Study of Different traditional textiles of various regions in terms of their origin
 - (a) Sociocultural background
 - (b) Techniques /material
 - (c) Colour / motifs
 - (d) Evolution or changes over time
 - (e) Present scenario
 - (f) Contemporary usage
2. Woven Fabrics
 - (a) Carpets
 - (b) Shawls
 - (c) Sarees-Chanderi, Maheshwari, Kanjeevaram, Paithani etc.
 - (d) Brocades
 - (e) Textiles of North Eastern Region
3. Embroidered-(Briefly as also covered under surface ornamentation)
 - (a) Kantha
 - (b) Phulkari
 - (c) Chikankari
 - (d) Kasuti
 - (e) Kashida
 - (f) Embroidery of Gujrat & Rajasthan.
4. Resist Dyed:
 - (a) Bandhani
 - (b) Ikat
 - (c) Patola
5. Printed and Painted
 - (a) Blockprinted textiles from Gujarat
 - (b) Blockprinted textiles from Rajasthan
 - (c) Ajrakh
 - (d) Kalamkari

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

6. Embroidery

Objectives:

Students are introduced to the traditional embroidery as surface embellishment techniques of various states. These are studied in details on the basis of actual garments or accessory samples. Students have to research books and textiles, develop motifs on the basis of study and then make samples of the same.

1. Phulkari from Punjab
2. Kasuti from Karnataka
3. Kantha from Bengal
4. Embroideries from Gujarat and Rajasthan
5. Kashida from Kashmir

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 204-18

ELELEMENTS of DESIGN

1. Colour
 - Introduction to colour
 - Psychology to colour
 - Tints, Tones, Shades
 - Colour chips
2. Composition
 - Inspiration / Concept board
 - Theme board
 - Design development based on concept
3. Introduction to Design Process
 - Research Methodology
 - Stages of Design Process
 - Implementation
 - Mood board
 - Colour pallete
 - Material Exploration
4. Visual Communication, Visual Merchandising.
5. Study of art forms or art effects, accessories, architecture, or architectural details etc. to develop designs.
6. The evolution and development of the product through time.
7. Product adaption in different materials.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 205-18

FASHION MODEL DRAWING-II

Course Objectives :

- The focus of the course is on fashion communication and illustration of fashion design ideas.
- Development of a personal illustration style, an ability to communicate visually a variety of fabrics, silhouettes and colours of garments draped on the body.
- Familiarity with various colours media-oil pastels, colour pencils, watercolors, poster colors, dried pastels and mixed media.
- Effective use of these media introduced and applied in the various given exercises suitable for themes and different kind of given exercise
- Introduction to the human anatomy, bone structure and musculature with stylized interpretation of the live model.
- Rendering of different garments on the model with emphasis on the fabric texture, color and style details. Reference from life or magazine or good photographs could be used.
- Drapability of various garment styles in a variety of fabrics stitched and draped, are observed and illustrated.
- Express oneself through the theme of a given project. Inspiration is taken from art and the artists of any period.
- Eventual accomplishment in a particular medium suited to the designer's personal illustration style for the final project.

Reference Books:

1. Anatomy & Drawing by Victor Perard.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 206-18

FASHION ART-II

Course Objectives :

The inputs refine the student's illustration skill with special emphasis on developing a signature style of sketching, learning to keep fabric texture and drapability in mind while doing colour rendering in different media. Inputs in clothing details and terminology as a universal vocabulary for communication about garments are also given.

Introduction to garment details : Necklines, Collars, Sleeves, Cuffs, Silhouettes, Skirts, Pants, Coats, Pockets, Gathers, frills, pleats etc.

Style-lines

Principles of Drapping of all kinds of garments on croquis.

Stylization of croqui (different kinds of paper and media used for different assignments) Each student is encourage to explore his/her own individual style of illustration.

The aim of the following exercises is to explain the characteristics of the fabric for example drapability, weight, stretch, transparency/ opacity etc. Color rendering of the following are introduced.

- Denim
- Jeans
- Ikat
- Pants/Jump suit
- Cotton
- Solid and print
- Lycra Spandex (Active sport-wear)
- Chiffon and lace evening wear)

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 207-18

PATTERN MAKING

Course:

This is an introductory course where the relationship between draping of a three-dimensional form and flat pattern making is introduced. Students draft basic slopers according to dress form requirements. The basic sloper is used to develop creative designs. The final project is the development of an original design through the flat pattern method.

Methodology:

The exercises are variations of basic slopers and their common variations. The students are given demonstrations for each and are required to make paper patterns along with muslin test fits. Design possibilities/variations of each should be explored and towards the end of the semester a complete term garment in suitable fabric is made.

Course Objective:

This area of instruction should enable the students to:

1. Develop accurate slopers for Skirts.
2. Become familiar with tools of pattern making.
3. Understand the language of pattern making.
4. Develop the ability to create designs through the flat pattern method.
 - (a) Introduction to PM.
 - (b) How to take body measurements.
 - (c) Developing the first bodice block(dartless).
 - (d) Making a prototype for e.g. A 'tank top' with the help of basic block.
 - (e) Developing the 2nd bodice block(with darts).
 - (f) Test fit the garment on the dress form.
 - (g) Dart manipulation.
 - (i) Single dart series.
 - (ii) Double dart series.
 - (iii) Multiple dart series.
 - (iv) Darts away from bust point.
 - (v) Darts in the form of gathers.
 - (vi) Stylized darts.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

References:

1. “Pattern making for fashion design”, Helen Joseph Armstrong, Harper Collins, LA.
2. “Metric Pattern Cutting for Menswear”; Winfred Aldrich, BSP Professional book Oxford.
3. “Pattern making and making up-the professional approach”; Marten Shoben and Janet P.Ward, Butterworth Heinman,Oxford.
4. “Modern sizing for women and children”; P.Kunick, Philip Kunik Publication London.
5. “Dress Fitting”; Natalie Bray, Black well science Ltd London.
6. “Dress Patten Designing” Natalie Bray, Black well science Ltd London.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 208-18

COMPUTER APPLICATION

Course Description:

This course is aimed at students and design professionals who are interested in learning how to design, print using Photoshop. To create, capture and enhance the images in accordance with the final objective. It is a bitmap based graphic designing program that designers use to create professional artwork or advertisements. In this course, students will explore the advanced features available with Photoshop including advanced text, color, layout and layers styles.

Objectives:

1. Learn how to manipulate, edit, and adjust images by using, the different tools in Photoshop. Students will learn how to apply layer effects and filters to create special effects, including lighting and texture effects.
2. To show advanced skills in using painting tools and blending modes to create special effects and quality artworks.
3. Perform good skill in color correction and restoration of photographs and images.
4. To learn how to optimize images for use on the Web, and the advantages of using image slicing techniques.
5. Demonstrate basic skills in developing a time-based production

Teaching Techniques

- Classroom lectures, demonstrations, & discussions.
- Individual and small group work.
- Hands-on lab classes/Assignments

Pre-requisite

Students should have basic knowledge in using Windows operating system and to access and work with the files and programs using Windows OS. It will be more preferable, if you have color sense and some photography or artistic skills.

Note: All topics are covered in extreme detail with practical examples for all.

Examination /Evaluation Scheme

Practical Examination: One Practical examination of 3 hours duration will be conducted on the modules described in the curriculum. The maximum marks will be 100.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

UNIT-I

Introduction To Adobe Photoshop, Opening new files, Opening existing files, exploring the Toolbox, Exploring Panels & Menus, Creating & Viewing a New Document, About Photoshop, Navigating Photoshop, Working with Images and Basic Selections, Working with Multiple Images, Rulers, Guides & Grids, Adjusting Color with the New Adjustments Panel, Getting Started With Layers And Painting Commands, Understanding the Background Layer, Creating, Selecting, Linking & Deleting Layers, Introduction to Blending Modes

UNIT-II

Photo Draping In Adobe Photoshop, Photo Draping Basics, Using a Wrap tool to Photo, Photo Draping a garment/dress with Blending modes, Photo Draping a Bed, Painting In Photoshop Using the Brush Tool, Working with Colors & Swatches, Creating & Using Gradients, Creating & Working with Brushes.

UNIT-III

Photo Retouching And Color Correction, The Red Eye Tool, The Clone Stamp Tool, The Patch Tool & the Healing Brush Tool, The Spot Healing Brush Tool, The Color Replacement Tool, Adjusting Levels, Adjust Curves, Non-Destructively, with Adjustment Layers

UNIT-IV

Using Quick Mask Mode And The Pen Tool, Working With Colors And Color Settings, Working with the Color palette, Using the Color palette, Editing Foreground color and Background color, Using the Color ramp, Setting the CMYK Color gamut, Creating Special Effects, Getting Started with Photoshop Filters, Smart Filters, Creating Text Effects, Applying Gradients to Text

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

BSFD 209-18

GARMENT CONSTRUCTION-II

Course Objectives:

1. To understand and appreciate different types of necklines, collars, sleeves, cuffs and pockets.
2. To obtain fabricating skills for the same.

UNIT- I

Areas of Study:

1. Types of necklines
 - (a) Round and jewel
 - (b) Square and glass
 - (c) V shaped, straight and curved
 - (d) Scalloped
 - (e) Sweet heart
2. Neckline finishing by using facings and interfacings:
 - (a) Shaped facing
 - (b) Bias facing
 - (c) Single layer binding
 - (d) Double layer binding

UNIT - II

1. Types of Collars:Finishing collars using interfacing
 - (a) Flat collar
 - (b) One piece rolled collar
 - (c) Two piece rolled collar
 - (d) Shirt collar
2. Types of Sleeves and Sleeve Finishes
 - (a) Basic sleeve types
 - (i) Half sleeve
 - (ii) Full sleeve
 - (iii) 3/4 sleeve

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

- (b) Sleeves finish
- (c) Set in sleeves
 - (i) Plain
 - (ii) Puff sleeve
 - (iii) Flare sleeve
 - (iv) Leg 'O' mutton
 - (v) Shirt sleeve
 - (vi) Kurta sleeve

3. Other Modified Sleeves

- (a) Raglan
- (b) Kimono
- (c) Dolman

Note: Insertion of gusset to be explained sleeve finishes

- (a) Self hem
- (b) Shaped facing
- (c) Bias facing/double fold bias binding
- (d) Casings

UNIT- III

Pocket Making and Application

- 1. Patch pockets- different types
 - (a) Unlined patch pockets
 - (b) Lined patch pockets
 - (c) Patch pockets with flap
- 2. Patch Pocket With Self Flap Inside Pockets
 - (a) Reinforcing in-seam pockets
 - (b) Extension in-seam-pocket-front hip pocket
 - (c) Slashed pockets-bound pockets
 - (d) Fabricating bound pockets
 - (e) Flap and separate welt pocket
 - (f) Welt pocket with flap

UNIT-IV

- 1. Fasteners: Inserting a zip fastener:
 - (a) Centered standard
 - (b) A lapped standard zip

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

- (c) Concealed zip
 - (d) Open end zip
 - (e) Finishing off in a slot
2. Buttons- Types attaching
- (a) Positioning and buttons
 - (b) Hook and eye
 - (c) Press-studs
 - (d) Touch and close

Recommended Books:

1. The Practical Encyclopedia of Sewing: By-Dorothy Wood: Lorenz Books
2. The Complete Book of Sewing: Dorling Kindersley
3. Sewing and Knitting: A Reader's Digest step –by-step guide
4. Comparative Construction Techniques
5. Clothing Construction :SherieDoongaji
6. Sewing Manual:Singer
7. Stitch World
8. Apparel views

BSFD 210-18

Fashion Photography

This is a seven day module conducted during the working days of the semester.

Course Objectives :

To introduce the students to the basics of dyeing and printing.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Ability Enhancement Compulsory Course (EVS102-18 Environment Studies)

Course Code	Course Type	Course Title	Load Allocations			Mark Distribution		Total Marks	Credits
						Internal	External		
EVS 102-18	Ability Enhancement Compulsory Course (AECC)-III	Environmental Studies	2	0	0	40	60	100	2

Course Outcomes:

1. Students will enable to understand environmental problems at local and national level through literature and general awareness.
2. The students will gain practical knowledge by visiting wildlife areas, environmental institutes and various personalities who have done practical work on various environmental Issues.
3. The students will apply interdisciplinary approach to understand key environmental issues and critically analyze them to explore the possibilities to mitigate these problems.
4. Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world

Unit 1 : Introduction to environmental studies

- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.

(2 lectures)

Unit 2 : Ecosystems

- What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems :
 - a) Forest ecosystem
 - b) Grassland ecosystem
 - c) Desert ecosystem
 - d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lectures)

Unit 3 : Natural Resources : Renewable and Non---renewable Resources

- Land resources and landuse change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
- Water : Use and over---exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter---state).
- Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

(8 lectures)

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Unit 4 : Biodiversity and Conservation

- Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega---biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity : Habitat loss, poaching of wildlife, man---wildlife conflicts, biological invasions; Conservation of biodiversity : In---situ and Ex---situ conservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

(8 lectures)

Unit 5 : Environmental Pollution

- Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management : Control measures of urban and industrial waste.
- Pollution case studies.

(8 lectures)

Unit 6 : Environmental Policies & Practices

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

(7 lectures)

Unit 7 : Human Communities and the Environment

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management : floods, earthquake, cyclones and landslides.
- Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

(6 lectures)

Unit 8 : Field work

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site---Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems---pond, river, Delhi Ridge, etc.

(Equal to 5 lectures)

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Suggested Readings:

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
3. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
4. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
5. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
6. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36--37.
7. McCully, P. 1996. *Rivers no more: the environmental effects of dams*(pp. 29--64). Zed Books.
8. McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.
9. Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
10. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.
11. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
12. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.
13. Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental law and policy in India*. Tripathi 1992.
14. Sengupta, R. 2003. *Ecology and economics: An approach to sustainable development*. OUP.
15. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
16. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voices from the Tropics*. John Wiley & Sons.
17. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
18. Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
19. Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
20. World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University Press.

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

B.Sc. (Fashion Design) Batch 2018 onwards

Guidelines regarding Mentoring and Professional Development

The objective of mentoring will be development of:

- Overall Personality
- Aptitude (Technical and General)
- General Awareness (Current Affairs and GK)
- Communication Skills
- Presentation Skills

The course shall be split in two sections i.e. outdoor activities and class activities.
For achieving the above, suggestive list of activities to be conducted are:

Part – A (Class Activities)

1. Expert and video lectures
2. Aptitude Test
3. Group Discussion
4. Quiz (General/Technical)
5. Presentations by the students
6. Team building Exercises

Part – B (Outdoor Activities)

3. Sports/NSS/NCC
4. Society Activities of various students chapter i.e. ISTE, SCIE, SAE, CSI, Cultural Club, etc.

Evaluation shall be based on rubrics for Part – A & B

Mentors/Faculty incharges shall maintain proper record student wise of each activity conducted and the same shall be submitted to the department.