

Program Syllabus Booklet

Bachelor of Science in Fashion Technology (B.Sc. FT - 903)



Session: 2021-22

**University College of Fashion Technology
& Cosmetology**

Guru Kashi University, Talwandi Sabo

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Annexure -1

Programme Name: Bachelor of Science in Fashion Technology

Programme Code: 903

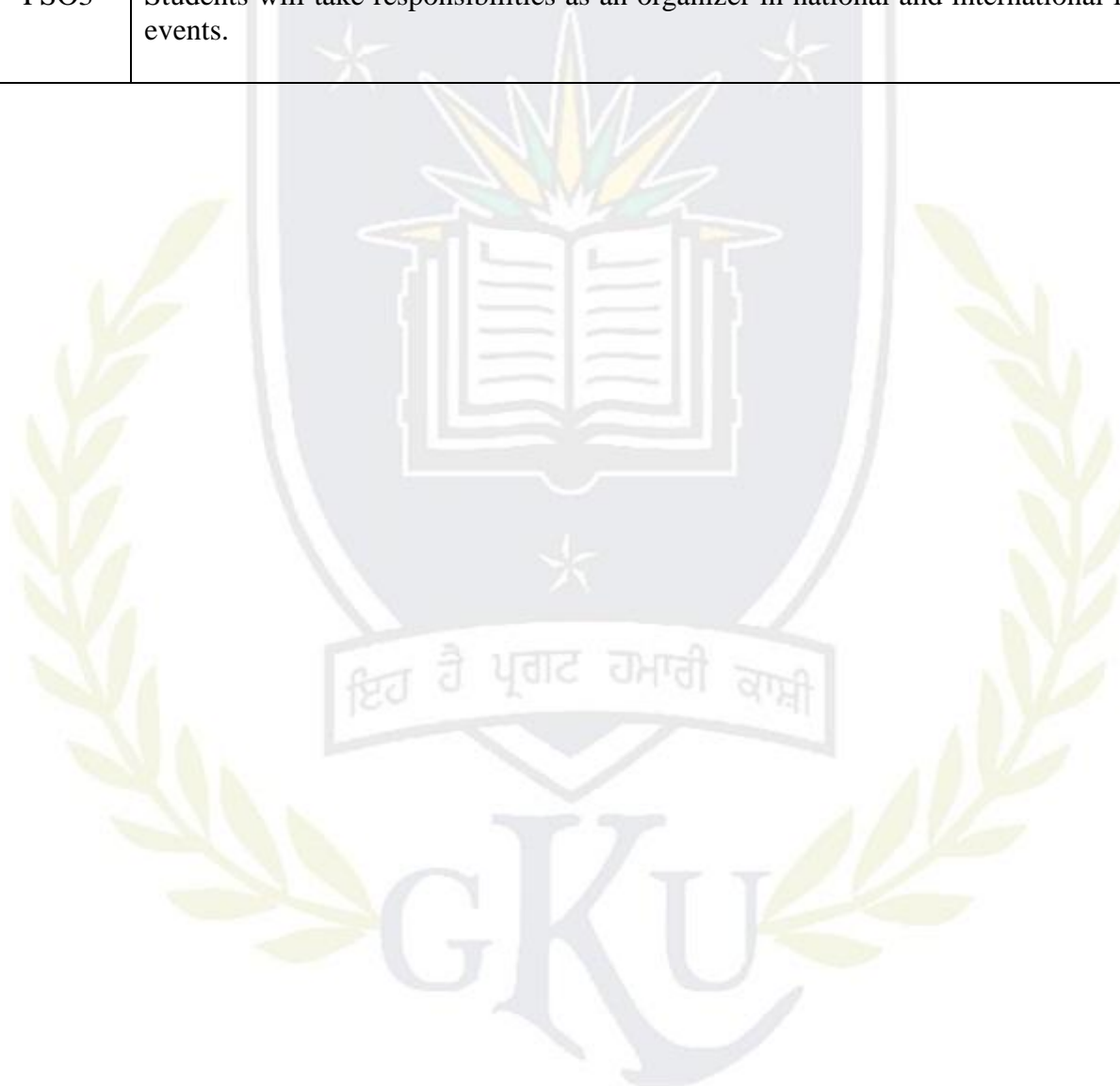
Programme Outcome (PO): The Programme Outcomes for the programme Bachelor of Science in Fashion Technology are as follows:

PO	Statement
PO1	Knowledge: To find solution of the complex problem through applying the principles, tools and techniques of inter disciplines such as mathematics, science, fashion fundamentals and drawing.
PO2	Problem analysis: To reach workable conclusions through identifying, and analysing complex problems based on the principal of natural science, arts , creativity in fashion technology.
PO3	Design/development of solutions: To resolve complex problems and design system components / processes that are intone with the specific needs of public health and safety and the cultural, societal and environmental requirements.
PO4	Conduct investigations of complex problems: To apply basic knowledge, techniques and methods including design of experiments, data analysis and interpretation and to generate synergy of the information for drawing valid conclusions.
PO5	Modern tool usage: To design, select, and apply appropriate techniques, resources and IT tools including forecasting and modelling to complex designing activities with the knowledge of the limitations/ bottle necks.
PO6	The society: To apply reasoning based on the contextual knowledge to assess societal, health, safety, legal and cultural concern and the resulting responsibilities towards to the professional practice.
PO7	Environment and sustainability: To understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: To apply principles of ethical and commitment to professional conduct and responsibilities and norms of the engineering practices.
PO9	Individual and team work: To instil team sprit for effective functioning effectively as an individual, and as a team leader under situation of multidisciplinary teams.
PO10	Communication: To communicate effectively with regard to different engineering community and society at large. And to enable writing effective reports , design documentation, prepare presentation for sharing and receiving information.
PO11	Project management and finance: To showcase knowledge and understanding of the engineering and management principles; apply these to self , member or leader of the team for project management in multidisciplinary environments.
PO12	Life-long learning: To recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Program Specific Outcome (PSO): The Program Specific Outcome for the Bachelor of Science in Fashion Technology (B.Sc. FT) program is the following:

PSO	Statement
PSO1	To impart detailed and again knowledge of drafting, pattern making, draping and grading techniques through theoretical and practical learning.
PSO2	Develop the knowledge aware to handle the sophisticated instruments/equipments which are used for making and designing the garments.
PSO3	Students will take responsibilities as an organizer in national and international fashion events.





Annexure -2

Study Scheme										
Semester: 1st										
Sr. No	Course Code	Course Name	Type of Course T/P	(Hours Per Week)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A300104	Communication Skills-I	T	5	0	0	5	50	50	100
2	A903101	Elements of design	T	3	1	0	4	50	50	100
3	A903102	Drafting & Pattern Making	T	3	1	0	4	50	50	100
4	305101	Fundamental of Computer	T	4	0	0	4	50	50	100
5	A903103	Elements of design Lab	P	0	0	6	3	60	40	100
6	A903104	Drafting & Pattern Making Lab	P	0	0	6	3	60	40	100
7	903105	Fundamental of Computer Lab	P	0	0	4	2	60	40	100
Total No. of Credits							25			

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Semester: 2 nd										
Sr. No	Course Code	Course Name	Type of Course T/P	(Hours Per Week)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A300204	Communication Skills-II	T	5	0	0	5	50	50	100
2	A903201	Sewing Techniques & Equipment's	T	3	1	0	4	50	50	100
3	903202	Fashion Studies	T	3	1	0	4	50	50	100
4	A903203	Textile Studies-I	T	4	0	0	4	50	50	100
5	A903204	Sewing Techniques & Equipment's Lab	P	0	0	6	3	60	40	100
6	A903205	Fashion Illustration-I Lab	P	0	0	6	3	60	40	100
7	A903206	Textile Studies-I Lab	P	0	0	6	3	60	40	100
Total No. of Credits							26			

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Semester: 3rd										
Sr. No	Course Code	Course Name	Type of Course T/P	(Hours Per Week)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A903301	Textile Studies-II	T	5	0	0	5	50	50	100
2	A903302	Traditional Indian Textile	T	3	0	0	3	50	50	100
3	A903303	History of Indian Costumes	T	5	0	0	5	50	50	100
4	A903304	Surface Ornamentation Lab	P	0	0	4	2	60	40	100
5	A903305	Fashion Illustration-II Lab	P	0	0	6	3	60	40	100
6	A903306	Traditional Indian Textile Lab	P	0	0	6	3	60	40	100
7	A903307	Draft Pattern Making & Garment Construction-I Lab	P	0	0	6	3	60	40	100
Total No. of Credits							24			





Semester: 4th										
Sr.No	Course Code	Course Name	Type of Course T/P	(Hours Per Week)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A100302	Environment Studies	T	3	0	0	3	50	50	100
2	903401	History of World Costumes	T	3	0	0	3	50	50	100
3	903402	Apparel Manufacturing Technology	T	5	0	0	5	50	50	100
4	903403	Computer Aided Fashion Design-I	T	3	0	0	3	50	50	100
		Elective-I	T	3	0	0	3	50	50	100
5	A903404	Fashion Illustration-III Lab	P	0	0	4	2	60	40	100
6	903405	Computer Aided Fashion Design-I Lab	P	0	0	6	3	60	40	100
7	A903406	Draping and Grading Lab	P	0	0	8	4	60	40	100
Total No. of Credits							26			
Elective-I (Select one of the following Courses)										
Sr.No	Course Code	Course Name								
1	903407	Basic Studies of Pattern Making								
2	903408	Principles of Arts								
3	903409	Industrial Management-I								



Semester: 5th										
Sr. No	Course Code	Course Name	Type of Course T/P	(Hours Per Week)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A903501	Fashion Marketing	T	4	0	0	4	50	50	100
2	B903502	Organization of Fashion Industry	T	4	0	0	4	50	50	100
3	A903503	Computer Aided Fashion Design-II	T	3	0	0	3	50	50	100
4		Elective-II	T	3	0	0	3	50	50	100
5		Choice Based Course-I	T	3	0	0	3	50	50	100
6	A903504	Accessory Design and Construction	P	0	0	6	3	60	40	100
7	A903505	Computer Aided Fashion Design-II Lab	P	0	0	4	2	60	40	100
8	A903506	Drafting Pattern Making & Garment Lab	P	0	0	8	4	60	40	100
Total No. of Credits							26			
Elective-II (Select one of the following courses)				Choice Based Course-I (Select one of the following courses)						
Sr. No	Course Code	Course Name		Sr. No	Course Code	Course Name				
1	A903507	Basic of Cosmetology		1	CB100323	Internet Applications				
2	903508	Industrial Management-II		2	CB100327	Basic Food Science				
3	903509	History of Indian Painting		3	CB100330	Fundamentals of Business Environment				



Semester: 6th

Sr. No	Course Code	Course Name	Type of Course T/P	(Hours Per Week)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A903601	Fashion Merchandising	T	5	0	0	5	50	50	100
2	A903602	Personality & Clothing	T	5	0	0	5	50	50	100
3	100303	Human values & Professional ethics	T	3	0	0	3	50	50	100
4		Elective-III	T	3	0	0	3	50	50	100
5		Choice Based Course-II	T	3	0	0	3	50	50	100
6	A903603	Fashion Show	P	0	0	6	3	60	40	100
7	A903604	Portfolio	P	0	0	10	5	60	40	100
8	903605	Industrial Training/Internship (6 Weeks)	NA	NA	NA	NA	4	60	40	100
Total No. of Credits							31			
Elective-III (Select one of the following courses)				Choice Based Course-II (Select one of the following courses)						
Sr. No	Course Code	Course Name		Sr. No	Course Code	Course Name				
1	903606	Fashion Retailing and Merchandising		1	CB100308	Basics of Operating Systems				
2	903607	Quality Management		2	CB100326	Food Neutrino				
3	903608	Entrepreneurship Development		3	CB100333	Marketing Management				

Annexure -3

Course Name: Communication Skills-I
Course Code: A300104
Semester: 1st

Credit-5

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Course Outcomes: On successful completion of this course, the students will be able to:

CO	Statement
CO1	Inculcate and expand their writing skills through controlled and guided learning methods.
CO2	Develop coherence, cohesion and competence in oral discourses through intelligible pronunciation.
CO3	Apply verbal and non-verbal communication techniques in the professional environment.
CO4	Acknowledge ability to handle the interview process effectively confidently.

Course Content

UNIT – I

English Language: Sentence, Parts of speech, Tenses, Active passive voice, Direct, Indirect speech, Creative writing & vocabulary, Comprehension passage, Reading of Biographies of at least 10 IT business personalities.

UNIT– II

Business communication: Types, Medias, Objectives, Modals, Process, Importance Understanding Barriers to communication & ways to handle and improve barriers.

Listening skills: Its importance as individual and as a leader or as a worker, Types of listening and Traits of a good listener, Note taking, barriers to listening & remedies to improve listening barriers

UNIT– III

Non-verbal Communication- understanding what is called non-verbal communication, its importance as an individual, as a student, as a worker and as a leader, its types.

Presentation skills-Its Purpose in business world, How to find material for presentation, How to sequence the speech with proper introduction and conclusion, How to Prepare PPT & Complete set of required body language while delivering presentation.

UNIT- IV

Reading Skills- to enhance independent reading, Comprehension Passages, News / Magazine articles on stereotype topics, Poems – Abu Ben Ad hem, The Tiger

Writing skills- Importance of reading and writing, improving writing skills through Basic cohesive paragraph writing, resume writing, Job application writing/acceptance letter

Reference Book:

1. Raman, Meenakshi & Sangeeta Sharma, 2011 Technical communication principles & practice. Second Edition. New Delhi: Oxford University press.
2. Kratz, Abby Robinson, 1995 Effective Listening, Toronto: On: Irwin Professional Publishing.
3. Sanjay Kumar, Pushp Lata, 2015 second edition 'Communication Skills' Oxford university Pren.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	1	3	3	1	2	1	1	2	2	1	2	3	3	1
CO2	3	1	2	1	2	1	2	3	1	3	3	1	1	2	2
CO3	1	2	1	2	1	2	1	2	3	2	2	3	1	2	-
CO4	3	3	2	1	3	3	3	1	-	1	1	1	2	1	3
Average	1.8	1.4	1.6	1.4	1.4	1.6	1.4	1.4	1.5	1.6	1.4	1.4	1.4	1.6	1.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Elements of Design

Course Code: A903101

Semester: 1st

Credit-4

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Course Outcomes: On successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand the concept of designing.
CO2	Equip students with the knowledge required for application of elements of design in the context of fashion.
CO3	Create compositions using various colour schemes.
CO4	Acquaint the students with skills of drawing and usage of various art forms and media.

Course Content

UNIT-1

Elements of design-Line- Different types of line, application of line in designing (effect of length and thickness to create illusion)

Texture- Factors affecting textures,

Form-Shape/silhouettes,

Color- Color Dimensions of color- hue, Intensity, value, Aspects of color-warm cool,

Advancing, receding, dark, pale and bright. Color wheel-Primary colors, secondary colors, and tertiary colors.

Basic color schemes- achromatic, analogues, monochromatic, complimentary, and neutral. Space

UNIT-II

Principles of design-Balance, Rhythm, Emphasis, Harmony/ unity, proportion, Selection of clothing according to the Element and Principal of design.

Define collage- types of collage.

Designing of clothes for different age groups using principles and elements of design and its advantages on appears

UNIT- III

Design concept- Definition and understanding aspects of design

Classification of design:

Applied-Painting, Embroidery, Dyeing, Printing and Finishing

Structural-Through variation in fibre, yarn, fabric formation and development

Types of motifs- Natural, Stylised, abstract/ modern, Religious

Designs in Fabric- Motifs and patterns Importance of fabric design in garment construction

Effect of fabric design on body appearance

Understanding layouts and repeats of patterns in garments

UNIT-IV

Design process

Research in relation to design

Exploration and Conceptualization of design

Design development and design worksheet

Factors affecting the choice of Clothing for Different age groups (infant, creeper, School child, pre-adolescence, adolescents, adults, old-age group), occasions, personality and

Seasons Various types of figures, selecting and designing clothing according to figure types

References Book

1. Bustanoby.J.H., 1947 *Principles of colour & colour mixing.*, Mc Graw Hill Book Company , New York, London,
2. Gupta Sushma and Garg Neeru ,2018 *Text book of clothing & textile*, publisher Kalyani.

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PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	1	2	1	3	1	3	1	1	1	2	2	3	-
CO2	1	1	3	1	2	1	2	1	2	3	3	1	2	1	2
CO3	2	3	1	3	1	2	3	2	3	2	2	3	1	2	3
CO4	1	2	2	1	2	1	2	1	2	-	1	1	2	3	2
Average	1.75	2.0	1.75	1.75	1.5	1.75	2.0	1.75	2.0	1.5	1.75	1.75	1.75	2.0	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Drafting & Pattern Making

Course Code: A903102

Semester: 1st

Credit-4

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Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand about the tools and equipments used to make patterns and sewing of fabrics.
CO2	Earn about the different types of sewing machines, their parts, working and maintenance.
CO3	Understand different kinds of patterns developing, grading methods and techniques.
CO4	Get knowledge about fabric layout and handling of special fabric.
CO5	Learn terminology of the Pattern Development

Course Content

UNIT-I

Terminology (Drafting & Pattern Making): Flat pattern making, template working pattern, production pattern, design specification sheet, pattern chart, cost-sheet, grain, dart, dart legs, dart intake, truing and blending, vertical lines, horizontal lines, perpendicular lines, symmetric and asymmetric lines, style number, pattern size, Pivotal point.

A study of tools and equipments:

Measuring tools

Marking tools

Cutting tools

Finishing tools



UNIT- II

A study of anthropometry-
List of measurements
Locating landmarks
Taking body measurements
Standard size charts.

UNIT- III

Importance of Drafting & Pattern Making and their scope,
Darts, formation of darts.
Pattern Development: Drafting, Flat Pattern, Slash and Spread and Pivot methods.

UNIT-IV

1. Basics of Commercial paper pattern-
 - Pattern Envelope
 - Pattern Marking
 - Pattern Layout

References Books:

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

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	2	3	1	3	3	1	3	1	1	3	1	2	1	3	3
CO2	1	2	3	1	1	2	2	3	2	2	3	1	3	2	-
CO3	2	1	2	2	2	3	2	2	3	1	2	3	2	2	2
CO4	1	2	2	3	1	2	1	1	1	2	1	1	1	2	1
CO5	3	1	2	2	2	3	2	2	-	2	2	1	2	2	1
Average	1.8	1.8	2.0	2.2	1.8	2.2	2.0	1.8	1.75	2.0	1.8	1.6	1.8	2.2	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Fundamental of Computer

Course Code: 305101

Semester: 1st

Credit-4

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Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Gain knowledge about block diagram of computer
CO2	Learn Concept of number system
CO3	Learn about input and output devices in detail.

CO4	Apply their knowledge in the entrepreneurship.
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Course Content

UNIT - I

Computer Fundamentals: Block diagram of a computer, characteristics of computers and generations of computers.

Number System: Bit, byte, binary, decimal, hexadecimal, and octal systems, conversion from one system to the other, representation of characters, integers and fractions.

Binary Arithmetic: Addition, subtraction and multiplication.

UNIT – II

Computer Codes: weighted and non-weighted code, BCD, EBCDIC, ASCII, Unicode.

Input Devices: Keyboard, Mouse, Joy tick, Track Ball, Touch Screen, Light Pen, Digitizer, Scanners, Speech Recognition Devices, Optical Recognition devices – OMR, OBR, OCR

Output Devices: Monitors, Printer and its Types.

UNIT – III

Memories: Units of Memory, Main Memories - RAM, ROM and Secondary Storage Devices - Hard Disk, Compact Disk, DVD.

Introduction to Computer Terms like Hardware, Software

UNIT – IV

Computer languages: Machine language, assembly language, higher level language, 4GL. Introduction to Compiler, Interpreter, Assembler, Assembling, System Software, Application Software.

Internet: Basic Internet terms: Web Page, Website, Home page, Browser, URL, Hypertext, Web Server, Applications: WWW, e-mail, Instant Messaging, Videoconferencing.

Reference Books:

1. Sinha P.K. and Sinha P., 2002, *Foundations of Computing*, First Edition,
2. Sanders D. HM Graw Hill, 1988. *Computers Today*., Fourth Edition

The mapping of PO/PSO/CO attainment is as follows

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	1	2	3	1	3	2	1	2	3	1	1	2	2	1	2
CO2	3	2	1	1	2	1	2	3	1	2	3	1	1	3	3
CO3	3	1	2	2	1	3	1	1	2	1	2	3	3	2	-
CO4	2	3	1	3	1	2	3	2	-	3	1	1	1	2	1
Average	2.5	1.75	1.75	1.75	1.75	2.0	1.7	2.0	1.5	1.75	1.75	1.75	1.75	2.0	1.5

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.



Course Name: Elements of Design Lab

Course Code: A903103

Semester: 1st

Credit-3

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Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Enhance skills and learn basic elements required of to design garments
CO2	Understand colour wheel and colour schemes and to use effectively these in designing.
CO3	Understand different type of textures.
CO4	Learn about textures of fabrics such as silk, satin, velvet, denim, corduroy.
CO5	Understand designing techniques and textures so as to develop entrepreneurship skills.

Course content

UNIT- I

Draw different designs using Elements of design.
Draw different designs using principals of design.
Color wheel-primary color, secondary color, tertiary color.

UNIT- II

Draw design using Color Aspects in designs -warm, cool, hot,cold, dark, pale and bright.
Make design of achromatic, analogues, monochromatic, complimentary, and neutral color schemes.
Make different types of collage.

UNIT- III

Different textures – thread pulling, thread crumple, thread rolling, blade effects, jute, thumb, comb, ink blow, sponge effect

UNIT- IV

Texture of fabrics- silk, satin, velvet, denim, corduroy
Rendering techniques

Reference Book:

1. Sinha P.K. and Sinha P., 2002, *Foundations of Computing*,First Edition,
2. Sanders D. HM Graw Hill, 1988. *Computers Today*., Fourth Edition

The mapping of PO/PSO/CO attainment is as follow:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	1	3	1	2	1	3	1	2	1	3	1	2	1	3	-
CO2	2	1	2	1	2	1	2	1	2	1	3	1	2	1	3
CO3	1	2	1	3	1	3	2	3	1	3	2	3	2	1	2
CO4	3	1	3	1	3	2	1	2	3	2	1	1	3	2	1
CO5	1	2	1	3	2	1	3	-	3	1	2	1	1	3	1
Average	1.6	1.8	1.6	2.0	1.8	2.0	1.8	1.6	2.0	2.0	1.8	1.6	1.8	2.0	1.4

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Drafting & Pattern Making Lab

Course Code: A903104

Semester: 1st

Credit-3

L T P

0 0 6

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about the tools and equipments used to make patterns and sewing of fabrics.
CO2	functionality of different types of sewing machines, their parts, working and maintenance related to Entrepreneurship
CO3	Understand about different kinds of pattern developing, grading methods and techniques.
CO4	Understand Fabric layout and handling of special fabric.

Course Content

UNIT- I

Standard Measurements chart for children.

Developing pattern of Basic Bodice Block of a Child and sleeve block.

UNIT- II

Adaptation of sleeve block to:

-Set-in-sleeves –Plain, Puff, Cap, Bell, Umbrella, Flared

-Part bodice in sleeve - Raglan, extend bodice sleeve - Magyar

Adaptation of collars: Peter Pan, Raised peter pan, Cape, Baby collar, Mandarin

Basic Skirt Block & its adaptation to: Straight skirt, A-line skirt, Gathered, Pleated Circular skirt-full and half.

UNIT -III

Pockets – Patch, , inseam, bound, flap, Kangaroo pocket
Pattern of kid’s casual wear-Slip, panty and romper.

UNIT-IV

Drafting for the Basic Bodice Block of a child on full scale.
Developing full scale Paper Patterns for basic body block, Collars, Skirts and casual wear

Reference Book:

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

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO 3
CO1	2	1	3	1	3	1	2	2	1	3	1	2	1	1	-
CO2	3	2	2	1	2	1	2	3	2	3	3	1	1	2	3
CO3	2	3	1	3	1	3	1	3	1	1	2	3	2	3	2
CO4	1	1	3	2	1	2	3	-	3	2	1	1	3	2	3
Average	2.0	1.7	2.0	1.7	1.7	1.7	2.0	2	1.7	2.2	1.7	1.7	1.75	2.0	2

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Course Name: Fundamental of Computer Lab

Course Code: 903105

Semester: 1st

Credit-2

L T P

0 0 4

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn Microsoft word and Microsoft PowerPoint and Excel
CO2	Understand presentation in PowerPoint with its multimedia tools
CO3	Learn about basics of the computer language
CO4	Apply their knowledge in entrepreneurship.

Course Content

UNIT -I

Introduction of Microsoft word and Microsoft PowerPoint and Excel.
Mathematical operations in excel.

UNIT-II

Using Outlook.

Making presentations of reports in word, excel, PowerPoint.

UNIT-III

Make presentation in PowerPoint with its multimedia tools.

Implementation of PowerPoint, word, excel tool.

UNIT-IV

Introduction to coral draw and tools.

Reference Book

1. Sinha P.K. & Sinha P., 2002, *Foundations of Computing*, First Edition,
2. Sanders D. HM Graw Hill, 1988. *Computers Today*, Fourth Edition

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	1	2	3	1	3	-	3	1	2	2	3	1
CO2	2	1	1	3	1	1	3	1	3	2	3	1	1	2	2
CO3	1	2	1	2	3	2	1	2	2	1	2	3	2	-	1
CO4	2	1	2	3	1	2	3	1	3	2	1	2	1	3	3
Average	2.2	1.5	1.7	2.2	1.7	2.0	2.0	1.7	2	2.0	1.7	2.0	1.5	2	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Communication Skill-II

Course Code: A300204

Semester: 2nd

Credit-5

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Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Importance of communication skills such as reading, and writing skills.
CO2	Gain speaking ability in English both in terms of fluency and comprehensibility.
CO3	Understand and strengthen their ability to write academic paper, essay and summaries using the process approach.
CO4	Learn the How to appear in an interview, group discussion for acquiring job opportunities.

Course Content

UNIT- I



Introduction to Business Communication: Meaning and Definition; process and classification of communication; elements & characteristics of communication; barriers to effective communication in business organization; Formal and Informal communication; grapevine, importance of effective communication in business house; Principals of effective communication.

UNIT- II

Writing Skills: Inter-office memorandums; faxes; E-mails; writing effective sales letters - to agents; suppliers; customers; report writing; project writing.

UNIT- III

Curriculum Vitae (CV): Drafting a CV; writing job application and other applications; do's and don'ts while appearing for an Interview; types of interview.

UNIT- IV

Presentation Skills: Introduction; need of good presentation skills in professional life; preparing good presentations; group discussion; extempore speaking.

Interviews: Tips, do's and don'ts for job and higher studies

References Books:

1. Raman, Minakshi, 2011 *Technical Communication Principle & Practice*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	2	1	1	3	2	1	2	3	1	2	1	2	3	-	2
CO2	1	3	2	3	1	3	1	1	2	3	3	1	1	2	2
CO3	2	1	1	2	3	2	2	3	1	3	2	3	2	3	1
CO4	1	3	3	1	3	1	3	2	3	-	1	2	3	2	1
Average	1	2.0	1.7	2.2	2.2	1.7	2.0	2.2	1.7	2	1.15	2.0	2.25	1.75	1.5

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Sewing Techniques & Equipment's
Course Code: A903201
Semester: 2nd

Credit-4

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Course Outcomes: On Successful completion of this course, the students will able to:

CO	Statement
CO1	Learn Tailored garments, in correct sequence of operations.
CO2	Gain knowledge about designs of fabric within a given frame of time.
CO3	Apply their knowledge in their own boutiques to promote their various designs in fabric construction



CO4	Articulate design ideas verbally, visually and digitally.
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Course Content

UNIT-I

Introduction to sewing, sewing equipments and supplies.
Introduction and handling of sewing machines, its parts, their working
Different types of sewing machines.

UNIT-II

Threading and bobbin winding.
Maintenance- Sewing problems and their solutions.
Introduction to threads and needles, their numbers and sizes in relation to different types of fabrics.

UNIT-III

Terminology and Classification used in:
Collars
Sleeves
Pockets
Yokes
skirts

UNIT-IV

Fabric preparation for garment construction-principle for fabric layout and placing paper pattern and fabric
Handling special fabrics
Fabric estimation and its importance.
Fitting: Good fitting, Fitting problems and their solution

References Books:

1. Doongaji Shree & Pande Roshani Desh, 2003, *Basic Process & Clothing Construction*, Publisher Unique Education Books, Raj Parkashan, 2005, New Delhi.
2. Lata Mullick Prem ,2008, *Garment Construction Skills*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	1	2	1	3	1	1	2	1	2	2	3	1



CO2	1	1	3	2	3	1	3	2	2	3	3	1	3	1	2
CO3	2	2	2	2	1	2	-	2	1	2	2	3	1	2	1
CO4	1	3	2	3	2	2	2	1	3	1	-	1	2	2	2
Average	1.5	2.2	2.2	2	2	1.5	2	1.5	1.7	2	1.5	1.7	2	2	1.5

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Studies

Course Code: 903202

Semester: 2nd

Credit-4

L T P

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Course Outcomes: On Successful completion of this course, the students will able to:

CO	Statement
CO1	Learn about the classification of Fashion and fashion cycle.
CO2	Understand the life and works of Indian and International Fashion Designers.
CO3	Organize fashion show and fashion weeks.
CO4	Apply their knowledge in different career opportunities in fashion industries.

Course Content

UNIT-I

Fashion definition

Its importance & Fashion evolution

Fashion terminology

Style, change, Trend, fashion cycle, fad classic, fashion trend, silhouette, texture, colour, design, croqui, couture

Classifications of fashion.

Fashion cycle and length of fashion cycle.

Fashion theory-trickle down, -trickle across, bottom-up theory.

UNIT- II

Sources of fashion and fashion services.

Factors affecting fashion.

Inspiration of Fashion

Forecasting fashion

In the reference to fabric, trend, style, color

Brands and their influence on Forecasting

Development of Fashion stores in Indian market

Career in fashion industry



UNIT-III

Indian Fashion Centres- Mumbai, Kolkata, Delhi
 Brief introduction to Indian Fashion Designers and their style statement
 Sabyasachi Mukhrjee
 Tarun Tahilliani
 Ritu Kumar
 Ritu Beri
 Raghvendra Rathore

UNIT-IV

International Fashion centers-
 Paris
 Milan, London
 New-York
 Brief introduction to International Fashion Designers and their style statement- Versace
 George Armani
 Coco-Chanel
 Paul Poiret
 Christian Dior
 Fashion Shows
 Fashion weeks

Note: The students are required to prepare power point presentation/ seminar / poster presentation or window display on any one topic of the above.

References Books:

1. Ellen Elaine, 2018 *Dynamics of Fashion*, Publisher Fairchild.
2. Gini. Stephens, 1999 *Fashion Concept to Consumer*, Prentice Hall International, New Jersey
3. Stone, Elanie & Samples, Jean, 1985 *A, Fashion Merchandising*, McGraw Hill, New York.
4. Sengupta., Hindol., 2005. *Indian Fashion*, Pearson Education, New Delhi
5. Jain, Payal. 2004 *Fashion Studies: An Introduction*, Har Anand Publication.
6. Frings 1991. *Fashion Concept to Consume*, 3rd Edition, Prentice Hall International, New Jersey

Note: The students are required to prepare power point presentation/ seminar / poster presentation or window display on any one topic of the above.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	3	1	2	2	2	3	2	2	1	2	1	3	1
CO2	2	3	3	2	1	3	1	1	-	2	3	1	3	2	1
CO3	3	1	2	2	2	3	2	1	2	1	2	3	2	3	3
CO4	1	2	3	1	3	2	2	3	1	2	2	1	2	2	-
Average	1.7	2.0	2.7	1.5	2.0	2.5	1.7	2.0	1.25	1.7	2.0	1.7	2.0	2.5	1.25

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Course Name: Textile Studies -I

Course Code: 903203

Semester: 2nd

Credit-4

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Course Outcomes: On Successful completion of this course, the students will able to:

CO	Statement
CO1	Learn about various techniques and process of designing textile, along with dyeing and printing.
CO2	Understand various dimensions of yarns like types of yarns, yarn size and twist.
CO3	Apply extensive skill on wearing- primitives, accessories, which will be required for wearing ornaments.
CO4	Understand the concepts related to historical background of textile fashion.
CO5	Understand importance of design products, which creates employability

Course Content

UNIT -I

Introduction to textile fiber & terminology

Classification of fibers based on their source and origin

Primary and secondary properties of textile fibers

Manufacturing and properties (Physical and Chemical) of natural fibres- cotton, linen, silk, wool

Manufacturing and properties (Physical and Chemical) of manmade fibres- Rayon, Nylon, Polyester, Glass fibre

UNIT-II

Introduction to Yarn- Classification of yarns

Simple yarns- single, multiply and cord yarns

Novelty yarns- slub, spiral, boucle, grenallem, nub, chenille

Textured yarns- stretch yarns, bulk yarns

Blended yarns

Yarn properties to fabric performance – yarn linear density, twist in yarn, twist direction and strength, yarn count and yarn numbering system

Different methods of Yarn spinning (mechanical spinning and chemical spinning) - Wet

Dry and

Melt spinning

Classification of yarns.

Simple yarns- single, multiply and cord yarns

UNIT-III

Introduction to fabric construction and fabric properties



Loom its parts & basic operations & classification and Physical properties of fabric (Fabric strength, abrasion resistance crease recovery, stiffness, drapability, static electricity, Thermal conductivity, air permeability, waterrepellency, thickness, shrink resistance, pilling resistance)

- Fabric count
- Weaves
- Weaving terminology

UNIT-IV

Weaves

Weaving terminology

Classification of weaves-

Plain weave- Rib weave, Basket, Twill (right handed twill, left handed twill, even & uneven twill), Satin, Sateen

Decorative weaves- Pile, Double cloth weave leno, Swivel, Tapestry, Dobby and Jacquard weave, Backed fabrics

References Books:

1. Corbman., P. B.,1975 *Textiles Fibre to Fabric* Gregg, Mc Graw Hill Book.
2. Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
3. Gioello, Debbie Ann., 1982. *Understanding fabrics from fibers to finished clothes*, Fairchild Publication, New York
4. Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile and their Care*, First Edition, Publisher: Pardeep, Jalandhar

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	1	3	1	3	1	3	3	1	2	1	2	1
CO2	1	2	1	2	2	1	2	3	1	2	3	1	3	3	1
CO3	2	1	2	2	1	2	-	2	2	2	2	3	1	3	1
CO4	1	2	1	3	1	2	2	1	2	1	1	1	2	1	2
CO5	3	1	3	1	3	1	3	1	2	1	2	-	3	1	1
Average	2.0	1.6	2.0	1.8	2.0	1.4	2	1.6	2	1.8	1.8	1.4	2	2	1.2

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Sewing Techniques & Equipments Lab

Course Code: A903204

Semester: 2nd

Credit-3

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Course Outcomes: On Successful completion of this course, the students will able to:

CO	Statement
CO1	Learn about pattern of Tailor garments, in correct sequence of operations.
CO2	Understand designs of fabric, required to complete within a given frame of time.



CO3	Learn how to promote their various designs in fabric construction, boutiques field.
CO4	Understand how to apply ideas for the Design preparation and convey them verbally, visually and digitally.
CO5	Learn about application of shaping devices.

Course Content

UNIT-I

Basic Hand Stitches:

Basting-even, uneven and diagonal, Tailor's tacks,

Back stitch, Hemming- visible and invisible.

Application of Fasteners: Buttons and buttonholes, hooks and eyes, hammer ones.

UNIT-II

Sewing Technology:

Exercise of machine's control on speed, paper exercises and fabric exercises.

Different types of seams and seam finishes.

Seams – Plain, french, run and fell, run and hem, slot, lap, piped, counter seam, counter hem, fringe.

UNIT-III

Seam finishes– Overcast seam finish, double stitched finish, herringbone finished, edge stitched seam, bound seam finish, pinked seam.

Application of shaping devices:

Tucks – Plain, cross, shell, released, group.

Pleats - knife, box, inverted box, cartridge and kick.

UNIT-IV

Gathers.

Necklines-Round, square, V shape etc.

Plackets continuous, 2-piece

Zips and Fasteners

Pockets patch, in-seam, patch with pleat, patch with flap.

Collars, sleeves

Yokes

Construction of a baby frock

Reference Books:

1. Doongaji Shree & Pande Roshani,2004 Desh,*Basic Process & Clothing Construction*, Publisher Unique Education Books, Raj Parkashan, New Delhi.
2. Lata Mullick Prem ,2011 *Garment Construction Skills*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	3	1	2	3	1	3	1	1	2	1	3	1
CO2	1	2	1	1	2	1	2	2	1	3	3	1	2	-	3

CO3	3	1	2	2	2	1	2	2	3	1	2	3	1	2	1
CO4	1	2	3	1	-	2	1	3	2	2	1	1	3	2	1
CO5	2	3	2	2	2	3	2	1	3	4	2	1	2	3	2
Average	1.6	2.0	1.8	1.8	1.4	1.8	2.0	1.8	2.4	1.4	1.8	1.6	1.8	2	1.6

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Illustration-I Lab
Course Code: A903205
Semester: 2nd

Credit-3

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Course Outcomes: On Successful completion of this course, the student will able to:

CO	Statement
CO1	Understand color units effectively in their design process.
CO2	Learn about a stick figures in different poses
CO3	Learn how a figure using texture in the garment
CO4	Understand light and shade of different types of folds, gathers and shape of fabric in dresses.
CO5	Gain knowledge about face analysis and figure analysis

Course Content

UNIT-I

Face analysis.

Figure analysis.

Draw features of eyes, nose, ear, lips, face, hands, arms, feet, legs and hairstyles.

UNIT-II

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

Body line reading through different poses.

Make stick figures in different poses.

UNIT-III

Make geometric figure.

Fleshing on block figures.

Illustrate a figure using texture in the garment.

UNIT-IV

Stippling and Hatching.

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

Reference Books:

1. Sengupta., Hindol.,2005. *Indian Fashion*, Pearson Education, New Delhi
2. Jain, Payal. 2004, *Fashion Studies: An Introduction*, Har Anand Publication.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	3	1	2	3	1	2	1	1	2	1	2	1
CO2	1	3	1	1	2	1	2	2	1	2	3	1	2	1	3
CO3	3	1	3	3	1	2	3	1	2	1	2	3	1	3	1
CO4	1	2	1	2	2	3	1	2	-	2	1	1	3	1	2
CO5	3	1	2	1	2	1	2	1	3	1	2	3	1	2	-
Average	2.0	1.8	1.6	2.0	1.6	1.8	2.2	1.4	1.6	1.4	1.8	2.0	1.6	1.8	1.4

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Textile Studies -I Lab
Course Code: A903206
Semester: 2nd

Credit-3

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Course Outcomes: On Successful completion of this course, the student will able to:

CO	Statement
CO1	Learn type of fiber through different type of fiber identification tests.
CO2	Understand different types of blends, weaves and yarns.
CO3	Gain knowledge about Yarn crimp, twist and yarn count.
CO4	Apply their knowledge of Textile field in the entrepreneurship.

Course Content

UNIT-I

Fiber identification- Visual, burning, microscopic and solubility test.
Identification of blends
Identification of weaves.

UNIT-II

Identification of types of yarn.
Fabric count

UNIT-III

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

UNIT-IV

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



References Books:

1. Corbman., P. B.,1975 *Textiles Fibre to Fabric* Gregg, Mc Graw Hill Book.
2. Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
3. Gioello, Debbie Ann., 1982.*Understanding fabrics from fibers to finished clothes*, Fairchild Publication, New York
4. Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile and their Care*, First Edition, Publisher: Pardeep, Jalandhar

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	3	1	2	3	1	3	1	1	3	1	2	-
CO2	2	2	3	1	3	1	3	2	-	3	3	1	2	1	3
CO3	3	1	2	3	2	3	2	1	3	2	2	1	3	2	1
CO4	1	1	3	1	1	3	2	3	2	2	1	3	2	2	1
Average	1.7	1.5	2.2	2.0	1.7	2.2	2.5	1.7	2	2.0	1.75	2.0	2.0	1.75	1.25

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Textile Studies –II

Course Code: A903301

Semester: 3rd

Credit-5

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Course Outcomes: On Successful completion of this course, the student will able to:

CO	Statement
CO1	Apply their Skill of techniques and process of designing textile, along with dying in their career.
CO2	Study about various dimensions of yarns like types of yarns, yarn size and twist.
CO3	Implement knowledge on wearing- primitives, accessories required for wearing.
CO4	Understand concepts related to historical background of textile fashion.
CO5	Understand concepts related to design production.

Course content

UNIT-I

Introduction to knitting:

Construction & properties of warp and weft knits

Introduction to basic Knitting Machines

Classification of knitted fabric-

Study of rib, single jersey fabrics interlock and purl fabrics

UNIT-II



Other methods of fabric formation- Felting, knotting, Lace making and braiding, macrame
Blends- Definition, properties & blending process
Processing, Properties and uses of Leather.
Introduction to Technical Textiles

UNIT-III

Introduction to dyes and printing-
Classification of dyes- Natural and Synthetic dyes.
Methods of dyeing and printing - Direct, Discharge, Resist

UNIT-IV

Finishes-
Objective of finishes
Preliminary treatments to fabric- Bleaching, Scouring, Desizing, Singeing and Degumming
Mechanical finishes- Shearing, Calendering, Tentering, Embossing, Napping, Weighting, Sizing.
Chemical finish - Mercerizing, Crease resistant, water proof and water repellent, Flame proof.
Chemical finish- Mercerizing, Crease resistant, water proof and water repellent, Flame proof.

Reference Books :

1. Corbman., P. B.,1975 *Textiles Fibre to Fabric* Gregg, Mc Graw Hill Book.
2. Phyllis, G. Tortora., 1987. *Understanding Textile*, 2nd Edition, Mc Millan Co.,USA
3. Gioello, Debbie Ann., 1982. *Understanding fabrics from fibers to finished clothes*, Fairchild Publication, New York
4. Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile & their Care*, First Edition, Publisher: Pardeep, Jalandhar

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PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
CO1	1	2	3	1	3	2	3	1	2	3	1	2	1	1	-
CO2	2	1	1	3	2	1	2	3	3	-	3	1	3	2	3
CO3	2	3	2	2	1	3	2	1	2	2	2	3	1	3	2
CO4	3	1	2	3	1	2	1	2	1	3	1	3	1	2	1
CO5	2	3	3	1	2	1	3	2	2	2	2	1	2	3	2
Average	2.4	2.0	2.2	2.0	1.8	1.8	2.2	1.8	2.0	2	1.8	2.0	1.6	2.4	2

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Traditional Indian Textile

Course Code: A903302

Semester: 3rd

Credit-3

**L T P
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Course Outcomes: On Successful completion of this course, the student will able to:

CO	Statements
CO1	Understand the types, processes, material and equipment used to do the resist kind of dyes.
CO2	Gain skill of doing sanganeri printing.
CO3	Understand styles and methods of ancient original paintings of India.
CO4	Enhance their skill in field of tie & Dye

Course Content

UNIT-I

Dyed & Printed traditional textiles of India -

- Tie and Dye- raw materials, major centers of tie and dye, design and patterns, color used, preparation and process
- Batik- raw materials, equipments required, design and patterns, color used, preparation and process
- Block printing- equipments required, design and patterns, color used, preparation and process
- Sanganeri Prints- raw materials, design and patterns, color used, preparation and process

UNIT-II

Styles and methods of textile painting –

- Madhubani
- Parchitra
- Pichwai
- Kalamkari.

UNIT-III

Woven textiles of India-

- Jamdani of Bengal
- Patola of Gujarat
- Brocade of Banaras
- Shawls of Kashmir

UNIT-IV

Traditional embroideries of India with emphasis on texture, motifs, design, colours, threads and fabrics used in the following-

- Phulkari of Punjab
- Kantha of Bangal
- Chikankari of Lucknow
- Sindhi of Gujarat



- e. Kasuti of Karnataka
- f. Kashida of Kashmir
- g. Chamba rumal of Himachal Pradesh

Reference Books:

1. Naik, 2002, *Traditional Embroideries of India*, APH Publishing Corporation, New Delhi.
2. Bhavani, E., 1968, *Decorative Designs & Craftsmanship of India*, D. B. Taroporevala Sons & Co. Pvt, Ltd Bombay.
3. Crill, Rose. mary. 1999 *Indian Embroidery* Prakash Book Depot, New Delhi.
- Parul, B., *Traditional Indian Textiles*, Abhishek Publications, Chandigarh.
4. Gillow, John, 1993 "*Traditional Indian Textiles*", Thames & Hudson Ltd, London

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	1	3	1	2	3	1	3	-	1	2	3	3	1
CO2	1	2	1	1	2	2	2	2	3	3	3	1	1	-	3
CO3	2	1	2	2	3	1	1	2	1	2	2	3	2	2	1
CO4	1	2	2	2	3	2	2	2	1	3	1	2	1	3	1
Average	1.5	1.7	1.5	2.0	2.2	1.7	2.0	1.7	2.0	2	1.7	2.0	1.75	2	1.5

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: History of Indian Costumes

Course Code: A903303

Semester: 3rd

Credit-5

L T P

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Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statement
CO1	Understand the culture of ancient Indian civilization.
CO2	Learn about the history and evolution of khadi.
CO3	Learn different types of ornaments of different states, which create Employability.
CO4	Enhance Skill to Create designs based on the knowledge of historic costumes.

Course Content

UNIT-I

Ancient Indian civilization:

Indus valley.

Vedic period.

UNIT-II



Gupta period.

Mughal period: - Costumes of Pre-Mughal, Mughal and Post-Mughal period.

UNIT-III

British period: - Costumes of Pre-independence and Post-independence period.

Evolution of Khadi movement.

UNIT-IV

Traditional costumes of India:

Costumes of Jammu & Kashmir

Costumes of Punjab

Costumes of Haryana

Costumes of Rajasthan

Costumes of Madhya-Pradesh

Costumes of West Bengal

Costumes of Assam

Costumes of Maharashtra

Costumes of Tamil Nadu

Costumes of Kerala

Costumes of Karnataka

Note:- Including tribal costumes of the respective states. Visit to the National Museum, Craft Museum and Modern Art Gallery.

Reference Books

1. Gurey G. S,1959 *Indian Costumes*” Publisher Popular Book.
2. Alkazi Roshan, 1982 *Ancient Indian Costumes*
3. Wlex ,1866 *Periods of Centralization &Development of Dressing in India*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	3	3	1	2	3	1	3	1	1	2	3	3	1
CO2	1	2	1	1	2	2	2	2	3	3	3	1	2	-	3
CO3	2	1	2	2	3	3	1	2	1	2	2	3	2	2	1
CO4	1	2	2	2	3	2	2	2	-	3	1	2	1	3	1
Average	1.5	1.7	2.0	2.0	2.2	2.2	2.0	1.7	1.7 5	2.25	1.75	2.0	2.0	2	1.5

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Course Name: Surface Ornamentation Lab

Course Code: A903304

Semester: 3rd

Credit-2

**L T P
0 0 4**



Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statement
CO1	Enhance Skill of the processes involved to do different kinds of contemporary and traditional embroideries as well as some other decorative works used to decorate clothes and apparels.
CO2	Understand the material, techniques and methods used to do the decorative work
CO3	Gain knowledge of the processes, materials, equipments and techniques to do tie dye and block printing practically.
CO4	Understand decorative works, which are helpful in decorating the cloths and apparels practically.
CO5	Apply their knowledge in the small business or Entrepreneurship

Course Content

UNIT-I

Introduction to contemporary embroidery stitches-

Stem, back, running, chain, lazy daisy, blanket, buttonhole stitch, spider's web, fly, French knot, bullion knots, fish bone, Romanian, satin, long & short stitch chevron and herringbone

UNIT-II

Surface Ornamentation

- Appliqué Work
- Mirror Work
- Patch work
- Ribbon Work
- Smocking
- Quilting
- Shirring
- Cut work
- Sequence work
- Bead work

UNIT-III

Prepare an article using any above techniques for final submission Ribbon Work

Smocking

Quilting

Shirring

Reference Books:



1. Shailaja D. Naik 1996 *Traditional Embroideries of India*, A.P. H Publishing Cooperation New Delhi
2. Sheila Paine, 1990, *Embroiled Textile*, Thames & Hudson Ltd

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	3	1	3	1	2	1	3	1	2	1	3	1
CO2	2	3	2	3	1	2	1	3	3	1	2	1	2	1	3
CO3	1	2	3	1	2	1	2	2	-	2	2	3	2	1	2
CO4	2	2	1	2	1	3	1	3	2	2	1	2	1	3	-
CO5	2	1	3	1	3	1	3	1	3	1	2	1	2	2	2
Average	1.6	2.0	1.4	2.0	1.6	2.0	1.6	2.2	1.8	1.8	1.6	1.8	1.6	2.0	1.4

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Illustration-II Lab
Course Code: A903305
Semester: 3rd

Credit-3

L T P
0 0 6

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statements
CO1	Understand the art of making fashion figure in poses.
CO2	Learn the illustration of fashion figure.
CO3	Learn Process of making of design using different types of folds and gathers.
CO4	Understand detailing of hemlines, Edgings, Pockets, Fastenings, trimmings and accessories.

Course Content

UNIT-I

Draw a fashion figure in poses-front, 3/4, side view.
Illustration fashion figures depicting various textures, prints and drapes.
Make designs using different types of folds, gathers.

UNIT-II

Depicting various silhouettes on fashion figures.
Illustrate the detailing of pleats, tucks, darts, yokes and godets.

Detailing of hemlines, edgings, pockets, fastenings, trimmings & accessories.

UNIT-III

Mood boards/ inspirational mood board at least 4
Client profile.
Illustration sheet

UNIT-IV

Illustration sheet based on mood board
Illustration sheet based on inspirational board.

Reference Books:

1. Sengupta., Hindol., 2005. *Indian Fashion*, Pearson Education, New Delhi
Jain, Payal. 2004 ,*Fashion Studies: An Introduction*, Har Anand Publication

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	3	2	3	2	3	1	3	1	3	1	2	1	3	1
CO2	1	2	3	1	2	1	2	-	2	1	2	1	2	2	2
CO3	2	3	1	2	3	1	2	3	3	1	2	3	1	1	-
CO4	2	3	1	3	1	2	3	2	2	2	3	1	2	3	2
Average	1.5	2.7	1.7	2.2	2.0	1.7	2.0	2	2.0	1.75	2.0	1.75	1.5	2.0	1.25

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Traditional Indian Textile Lab

Course Code: A903306

Semester: 3rd

Credit-3

L T P

0 0 6

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statements
CO1	Understand the art of tie and die
CO2	Apply and enhance Skill of art of Painting.
CO3	Learn the art of traditional embroideries of different regions.
CO4	Gain knowledge about different culture of different states.

Course Content

UNIT-I



Preparation of samples using traditional textiles dyeing, painting and printing techniques of India -

- Tie and Dye
- Batik
- Block printing
- Sanganeri Prints
- Madhubani,
- Parchitra & Pichwa

UNIT-II

Samples collection of Woven textiles of India-

- Jamdani of Bengal.
- Patola of Gujarat
- Brocade of Banaras
- Shawls of Kashmir

UNIT-III

Preparations of traditional embroidery samples using appropriate texture, motifs, design, colours, threads and fabric of the following-

- Phulkari of Punjab
- Kantha of Bangal
- Chikankari of Lucknow
- Sindhi of Gujarat
- Kasuti of Karnataka
- Kashida of Kashmir
- Chamba rumal of Himachal Pradesh

Reference Books:

1. Naik, 2002, *Traditional Embroideries of India*, APH Publishing Corporation, New Delhi.
3. Bhavani, E., 1968, *Decorative Designs & Craftsmanship of India*, D. B. Taroporevala Sons & Co. Pvt, Ltd Bombay.
4. Crill, Rose. mary. 1999 *Indian Embroidery*, Prakash Book Depot, New Delhi.
- Parul, B., *Traditional Indian Textiles*, Abhishek Publications, Chandigarh.
5. Gillow, John, 1993 *Traditional Indian Textiles*, Thames & Hudson Ltd, London

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	3	1	2	1	2	3	1	1	3	1	3	1
CO2	2	2	3	1	3	1	3	1	3	1	3	1	3	-	2
CO3	1	1	2	1	2	3	2	3	-	3	2	3	1	2	1
CO4	2	3	1	2	3	1	2	1	2	3	1	1	2	3	2
Average	2.0	2.2	2.0	1.7	2.2	1.7	2.0	1.7	2	2.0	1.75	2.0	1.75	2	1.5

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Draft Pattern Making & Garment Construction-I Lab

Course Code: A903307

Semester: 3rd

Credit-3

L T P

0 0 6

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statements
CO1	Learn about different types of plackets and trimmings and will be able to apply according to the suitability on different garments.
CO2	Learn how to do shifting of dart and dart manipulation through different methods and techniques
CO3	Understand the reasons of poor fitting and will be able to correct those.
CO4	Understand draft and construct basic garments.
CO5	Learn design projects on single dart series.

Course Content

UNIT-I

Plackets- Two piece, continuous wrap; to know their application according to suitability on different garments. (Kurtas, skirts, shirts, yoked frocks etc).

UNIT-II

Application of different types of trimmings- laces, piping, bindings, appliqué.

Dart manipulation: Through slash and spread method, pivot method, one dart into two darts, two darts into one dart.

UNIT-III

Design projects on single dart series: Princess line and Empire line.

Shifting of dart to different positions

UNIT-IV

Drafting & Construction of: Develop Basic adult bodice block through dart manipulation method

- Ladies shirt
- Salwar/Pajami
- Four dart blouse/one tuck blouse
- Basic Skirt & Adaptations (At least two Adaptations)

Reference Book:

1. Mullick, Lata Prem, 2010 *Garment Construction Skills*, Kalyani Publishers, New Delhi
2. Hilde Jaffe & Nurie Relis, 2011 *Draping for Fashion Design*, Prentice Hall Crawford Amaden, *The Art of Fashion Draping*, Fairchild Publishers



3. Carr Harold & Latham Barbara, 2008 *The Technology of Clothing Manufacture*, Oxford

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	1	2	1	2	3	1	2	3	1	3	2	3	2
CO2	3	1	2	1	2	3	1	3	-	2	3	1	1	2	1
CO3	1	3	1	3	1	3	2	3	2	3	2	3	2	3	-
CO4	1	2	3	1	2	3	1	2	1	2	1	2	3	1	2
CO5	3	3	3	2	2	1	2	1	3	2	2	1	3	1	2
Average	2.0	2.4	2.0	1.8	1.6	2.4	1.8	2.0	1.6	2.4	1.8	2.0	2.2	2.0	1.4

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Environment Studies
Course Code: A100302
Semester: 4th

Credit-3

L T P
3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Recognize the physical, chemical and biological components of the earth's system and show how they function.
CO2	Do Independent research on human interaction with the environment.
CO3	Implement work improvement techniques in an organization where they undergo for in-plant training.
CO4	Understand about Social Issues and the Environment, which are essential for the employability

Course Content

UNIT-I

The Multidisciplinary nature of environmental studies

Definition, scope and importance (2 Lectures)

Need for public awareness.

Natural Resources:

Renewable and non-renewable resources:

Natural resources and associated problems.

a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.

b) Water resources: Use and over-Utilization of surface and ground water, floods, drought, conflicts and water, dams-benefits and problems.



- c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies.
- f) 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 ecosystem
Forest ecosystem
Grassland ecosystem
Desert ecosystem
Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)
(6 lectures)

Biodiversity and its conservation

Introduction – Definition: genetic, species and ecosystem diversity.
Biogeographical classification of India
Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values
Biodiversity at global, National and local levels.
India as a mega-diversity nation
Hot-spots of biodiversity.
Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts.
Endangered and endemic species of India
Conservation of biodiversity: In-situ conservation of biodiversity.

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
 ill-effects of fireworks
 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.

UNIT- IV

Social Issues and the Environment

From Unsustainable to Sustainable development
 Urban 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.
 Environment Protection Act.
 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.
 (7 lectures)

Human Population and the Environment

Population growth, variation among nations.
 Population explosion – Family Welfare Programme.
 Environment and human health.

Reference Books:

1. Agarwal, K. C. 2001, *Environment Biology*, Nidi Publ. Ltd. Bikaner.
2. Jadhav, H & Bhosale, V.M. 1995. *Environment Protection & Laws*, Himalaya Pub House, Delhi 284p.
3. Rao M. N. & Datta A.K. 1987, *Waste Water Treatment*, Oxford & IBH Publ. Co. Pvt. Ltd.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	3	1	2	2	2	3	3	1	1	2	3	-	3
CO2	3	1	3	1	3	-	3	1	3	2	3	1	3	2	3
CO3	2	3	1	3	2	3	3	1	3	2	2	3	3	1	3



CO4	1	2	3	3	2	1	2	3	2	1	1	1	1	3	2
Average	1.7	2.0	2.0	2.0	2.2	1.5	2.5	2.0	2.7	1.5	1.75	1.75	2.5	1.5	2.75

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Course Name: History of World Costumes

Course Code: 903401

Semester: 4th

Credit-3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about the historic costume knowledge to modern fashion design construction...
CO2	Learn about the French revolution and thereafter
CO3	Understand the clothing history of the world’s history.
CO4	Gain knowledge about tradition rituals and many more other cultural history of costumes.

Course Content

UNIT-I

Costumes of the Ancient World (300 B.C.-300A.D.)

Mesopotamia, Egypt, Greece & Rome

Costumes of the middle Ages (300 A.D.-1500 A.D.)

Byzantine

UNIT-II

English Costumes:

English costumes during middle ages:

Early middle ages.

Late middle ages.

UNIT-III

Renaissance in Italy

Mannerism — 16th century.

Baroque — 17th century to 18th century.

Rococo — mid-18th century.

UNIT-IV

The French costume

Renaissance in France (1500 A D)

Renaissance in France (1600 A D)

Renaissance in France (1700 A D)

The French revolution and thereafter (1790 A.D.-1900 A.D.)

The Directoire and Empire period (1790 A.D.-1820 A.D.)

The Romantic period (1820 A.D.-1850 A.D.)

The Crinoline period (1850 A.D.-1869 A.D.)

The Bustle period (1870 A.D.-1900 A.D.)

Reference Books:

1. Tortora P.G. & Eubank K. (1995), *Survey of Historic Costume*, New York, Fairchild Publications.
2. Sara, P. Tomp & Srah H. 2003 *Fashion Costume & Culture*, The Ancient World, Thomas Gale.
3. James, L., 2002, *A Concise Costume & Fashion*, History; Thames & Hudson (2nd edition).

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	1	2	1	3	1	2	2	1	2	1	1	2
CO2	1	2	3	2	1	2	2	1	1	2	3	1	3	3	-
CO3	2	1	1	3	3	3	1	3	2	3	2	3	1	2	3
CO4	3	3	2	1	1	1	2	2	3	-	1	1	2	1	2
Average	1.7	2.0	1.7	1.7	1.7	1.7	2.0	1.7	2.0	1.75	1.75	1.7	1.75	1.5	1.25

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Apparel Manufacturing Technology

Course Code: 903402

Semester: 4th

Credit-5

L T P

5 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statements
CO1	Understand basics skill of various techniques employed for pattern making in the fashion industry
CO2	Expand their knowledge base of garment component parts: - Yokes, Collars, Sleeves pockets.
CO3	Gain knowledge about the structure and sectors of apparel industry.
CO4	Understand importance of Garment inspection by using different quality control methods.

Course Content

UNIT-I



Organization of Apparel industry.
Structure and sectors of Apparel industry.
Factors affecting the structure

UNIT-II

Design department-forecasting, designing, collection planning.
Sampling department- Pattern making, grading and sampling technology, construction of sample garment.

UNIT-III

Marketing department- calendar, pricing, product planning, costumer, merchandising and sale.
Purchase department- supplies, prices, store keeping, inventory management.
Finance department- Information management, administration, costing, budgeting.
Dispatch department.

UNIT-IV

Garment Inspection using different methods.
Applying quality assurance programmers in fabric department, cutting, production and finishing department.

Reference Books

1. Janace Bubonia ,2011 *Apparel Production Terms &Process*
2. Ruth E. Glock ,2005 *Apparel manufacturing-Sewn Product Analysis* Grace Publisher Prentice.
3. Peyton B, Hudson, 1989 *Guide to Apparel Manufacturing* Publisher Blackwell.
4. Gini Stephens Frings ,2007 *Fashion Concept to Consumer*, Publisher Pearson.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	3	2	1	3	1	3	2	1	1	2	3	1	3
CO2	1	2	1	3	3	1	2	3	1	2	3	1	2	3	-
CO3	1	3	2	3	1	2	1	1	-	3	2	3	1	2	3
CO4	3	1	2	2	3	1	3	3	3	2	1	1	2	3	1
Average	1.7	2.0	2.0	2.5	2.0	1.7	1.7	2.5	1.5	2.0	1.75	1.75	2.0	2.25	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Computer Aided Fashion Design-I

Course Code: A903403

Semester: 4th

Credit-3

**L T P
3 0 0**



Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about Corel draw and Adobe Photoshop and difference between raster and vector graphics
CO2	Understand basic features of CorelDraw and Adobe Photoshop and various page setups.
CO3	Fundamental of Corel and adobe Photoshop tolls and Concept of layers.
CO4	Understand importance of computer aided design, which creates employability.

Course Content

UNIT-I

Introduction to Corel draw and tools.
Importance and Uses of Corel Draw for Designers.
Bitmap and Vector Images

UNIT-II

Application of various textures and Patterns.
Drawing of fashion figure using different tools.
Knowledge of export/save graphics.
Create textures, prints design in Corel.

UNIT- III

Colour Palette and printing
Introduction to Photoshop and its importance
Tools of Photoshop

UNIT-IV

Opening the Photoshop
Concept of Path, layers
Creating logos, collage, brochures, fliers, story board, mood board, labels, and visiting cards.

Reference Books:

1. Norton,2002 *Introduction to Computers*, Peter.
2. Bright ,2007 *Introduction to Computer Fundamentals*.
3. Peter Shirley 2009, *Fundamentals of Computer Graphics*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	1	2	1	2	1	3	2	1	1	2	3	1	3
CO2	1	2	1	3	3	1	1	3	1	2	3	1	2	3	-
CO3	1	3	2	1	1	2	1	1	2	3	2	3	1	2	1
CO4	3	1	2	2	3	1	3	3	-	2	1	1	2	3	1

Average	1.7	2.0	1.5	2.0	2.0	1.5	1.5	2.5	1.2 5	2.0	2.0	1.75	2.0	2.25	1.25
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The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Illustration-III Lab

Course Code: A903404

Semester: 4th

Credit-2

L T P

0 0 4

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand importance of Drawing techniques in the Entrepreneurship.
CO2	Understand about basic principle of drawing.
CO3	Learn drawing clothing and accessories by hand, involved in Career.
CO4	Gain knowledge about work on different variations of basic garments.

Course Content

UNIT-I

Work on different variations of basic garments.

Skirts

Trousers

Gowns

Dresses

Shirt

Jacket

Halter dresses

Pants

UNIT-II

Introduction to Design Development sheet

Mood boards.

Client profile.

Illustration sheet

Specification sheet

UNIT-III

Designing male and female apparels using any of the following categories themes
(assigned by the course faculty).

Business wear/career/suits

Dresses

Outer wear

Evening wear

Swimming & Lingerie
Bridal
Night wear
Maternity wear
Sports wear

UNIT-IV

Fashion illustration using headgears, accessory footwear etc.

Reference Books

- 1.Sengupta., Hindol., 2005. *Indian Fashion*, Pearson Education, New Delhi
- 2.Jain, Payal. 2004 *Fashion Studies: An Introduction*, Har Anand Publication

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	3	1	3	2	3	2	1	1	3	1	2	3	2	-
CO2	1	3	2	2	3	1	3	1	3	2	3	1	3	1	2
CO3	2	3	1	3	2	1	3	3	1	3	2	3	1	3	1
CO4	3	2	2	3	1	2	1	2	3	-	1	1	3	1	2
Average	1.7	2.7	1.5	2.7	2.0	1.5	2.2	1.7	2.0	2	1.75	1.75	2.5	1.75	1.25

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Computer Aided Fashion Design-I Lab

Course Code: 903405

Semester: 4th

Credit-3

L T P

0 0 6

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about Corel draw and Adobe Photoshop and difference between raster and vector graphics
CO2	Understand about basic features of CorelDraw and Adobe Photoshop and various page setups.
CO3	Understand importance of design products, this creates employability.
CO4	Learn about applications which are essential for textiles and apparels.

Course Content

UNIT-I

Tools of Corel draw and Photoshop.

Application of these tools for making design compositions for textiles and apparel- Geometrical simplified, naturalized, stylized symbolic, traditional, floral ornamental and abstract



UNIT-II

nursery prints;
Placements and repeats of motifs in blocks using different color ways and textures.
Creating logos, collage, brochures, fliers, story board, mood board, labels, visiting cards

UNIT-III

Designing details of garments- Pockets, Necklines & Collars
Sleeves & sleeve finishes
Darts, Gathers, Pleats, Yokes, Frills, Ruffles, Cows

UNIT-IV

Smocking, Quilting & Shirring,
Skirts- Skirt lengths(Micro Mini, Mini, Tea & Maxi)
Pants- Shorts, Jamaica, Bermudas, Walking shorts, Capri, Regular & stretch pants
Tops

Reference Books:

1. Harold Carr & Barbara Latham, 2008 *The Technology of clothing Manufacture*, Blackwell Science
2. Singer, 1994 *Sewing Lingerie* , Cy Decrosse incorporated
3. Singer, 1986 *Sewing Active Wear* Cy Decrosse incorporated
4. Coklin Gerry, 1991 *Pattren Grading Of children's* Om Book Service

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	3	2	1	3	2	1	2	1	1	1	2	1	3	2
CO2	3	3	1	3	2	1	2	3	2	1	3	1	2	3	-
CO3	2	3	1	2	3	2	1	1	1	2	2	3	3	3	2
CO4	1	2	3	1	2	3	2	2	3	3	-	1	2	1	3
Average	1.7	2.5	1.7	1.7	2.5	2.0	1.5	2.0	1.7	1.7	1.5	1.7	2.0	2.5	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Draping and Grading Lab

Course Code: A903406

Semester: 4th

Credit-4

L T P

0 0 8

Course Outcomes: On Successful completion of this course, the students will be able to:

:

CO	Statement
CO1	Learn about grading department industries



CO2	Understand advantages and disadvantages of the Draping
CO3	Enhance skill of Pattern development through draping:
CO4	Understand grading & its importance.

Course Content

UNIT-I

Introduction to draping;

- Advantages and disadvantages.
- Seam allowances/ease.
- Understanding of style lines.
- Preparation of Muslin for draping.

UNIT-II

- Terminology related to draping
- Equipment needed

UNIT-III

- Pattern development through draping:
 - Basic Bodice
 - Design variation
 - Manipulating dart excess at different locations
 - Dividing dart excess- Waist & side seam, waist & shoulder
 - Princess line

UNIT-IV

- Skirt:
 - A-Line
 - Flared
 - Panel
 - Gathered
 - Pleated
 - Stylized yoke with flare, gathers & pleats
 - Peplum & Godgets

Grading techniques:

Introduction to grading & its importance

Introduction to different methods:

Front bodice

Back bodice

Sleeve block

Reference Books:

1. Harold Carr & Barbara Latham, 2008 *The Technology of clothing Manufacture*, Blackwell Science
2. Singer, 1994 *Sewing Lingerie*, Cy Decrosse incorporated
3. Singer, 1986 *Sewing Active Wear*, Cy Decrosse incorporated
4. Coklin Gerry, 1991, *Pattern Grading Of children's*, Om Book Service

The mapping of PO/PSO/CO attainment is as follows:



PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	2	3	2	1	2	2	3	2	1	2	2	2	-
CO2	1	2	3	1	1	2	2	3	2	2	3	1	2	2	1
CO3	1	1	2	2	2	2	2	2	-	3	2	3	1	2	2
CO4	2	3	3	2	1	2	2	2	2	2	1	1	1	3	2
Average	1.7	1.7	2.5	2.5	1.5	1.7	2.0	2.2	1.7 5	2.25	1.75	1.75	1.5	2.25	1.25

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Basic Studies of Pattern Making

Course Code: 903407

Semester: 4th

Credit-3

**L T P
3 0 0**

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand basics of various techniques employed for pattern making in the fashion industry
CO2	Gain knowledge about garment component parts: - Yokes, Collars, Sleeves pockets.
CO3	Learn about the organization structure and sectors of apparel industry
CO4	Get knowledge about Garment inspection by using different quality control methods.

Course Content

UNIT-I

Paper pattern making & its types
Principals of Patterns Cutting :

UNIT-II

Benefits of paper patterns making
A study of patterns making tools

UNIT-III

Terminology of paper pattern.
Types of collars and sleeves

UNIT-IV

Fitting problems- Fitting sequence, fitting defects and their remedies.

I) Bust area, ii) Hip area iii) Shoulders.



Reference Book:

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

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	3	2	1	2	3	1	2	2	1	2	1	1	3
CO2	2	2	3	3	3	3	2	1	1	1	3	1	2	3	-
CO3	3	2	1	1	-	3	1	1	3	1	2	3	3	3	3
CO4	1	2	3	3	3	2	1	2	2	2	1	1	2	2	2
Average	1.7	2	2.5	2.2	1.4	2.5	1.7	1.2	2	1.5	1.7	1.7	2	2.2	2

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Principles of Arts
Course Code: 903408
Semester: 4th

Credit-3

L T P
3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand basics of terminology and concepts
CO2	Get knowledge of garment component parts :- Color, texture
CO3	Learn about the view of life.
CO4	Understand structure and importance of Art gallery which is required for Entrepreneurship.
CO5	Understand principles of Art Appreciation

Course Content

UNIT-I

Basic terminology and concepts - Colour, Line, Shape, Texture, Perspective, Form, Content, Chiaroscuro, Sfumato, Foreshortening, Continuous Narration.

UNIT-II

Indian View of Life and Art with special reference to: Art and Society, Art and Nature, Art and Religion

UNIT-III

Principles of Art Appreciation
 Comparison of Indian and Western Approaches to Art

UNIT- IV

Landscape – Claude Lorraine, Ruisdael, Turner, Monet; India – Mughal and Pahari Schools.

References books:

- 1.Gupta SP, 2004 *Elements of Indian arts*
- 2.A.L.,2007 *Indian art in detail*”

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	2	2	2	3	2	2	3	2	1	2	2	2	-
CO2	1	2	3	1	1	2	2	3	2	1	3	1	2	2	1
CO3	1	1	2	2	2	2	2	2	1	3	2	3	1	2	2
CO4	2	3	3	2	1	2	2	3	3	2	1	1	3	1	2
CO5	2	1	2	2	3	1	-	2	2	3	2	1	2	1	1
Average	1.8	1.6	2.4	1.8	1.8	2.0	1.6	2.4	2.2	2.2	1.8	1.6	2.0	1.6	1.2

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Course Name: Industrial management-I
Course Code: 903409
Semester: 4th

Credit-3

L T P
3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn principle of management in his/her extra and Co-curricular activity in college and in industrial in plant training.
CO2	Understand leadership and entrepreneurial attributes.
CO3	Understand various techniques in an organization where they undergoes for in-plant training.
CO4	Understand importance of fashion industry, which creates employability.

Course Content

UNIT-I

- Principles of management, different functions of management, structure of an industrial Management
- Principles of management – Meaning, scope, benefits of good production management, Types of production process, Job batch, Mass production.

UNIT-II

- Plant layout – Location of a unit, Layout of buildings, Production standards, Production Control techniques, Production records.



UNIT-III

- Marketing and Selling : Sellers and buyers markets, output and income determination in Perfect and imperfect markets, budgets and pricing policies, cost element of cost.
- Industrial Relations : Trade – Unions, Industrial disputes and industry, Worker’s Participation in management.

UNIT-IV

- Global sourcing and marketing.
Steps involved in import and export of garments.

References Books:

- 1.D.Sinha, 1989 ,*Export Planing & Permotion*-IMS,Calcutta
- 2.Jarnow J.A. M.Guerreiro 1987, *Inside the Fashion Buisness*,Maciallian Publishing Company

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	1	1	1	2	3	2	1	1	1	2	2	1	-
CO2	1	2	3	1	2	3	1	1	2	1	3	1	2	3	3
CO3	3	1	2	2	3	1	2	2	1	2	2	3	3	1	2
CO4	1	2	3	2	1	2	2	-	3	3	1	1	1	2	1
Average	1.7	2.0	2.2	1.5	1.7	2.0	2.0	1.2 5	1.7	1.7	1.7	1.7	2.0	1.7	1.5

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation

Course Name: Fashion Marketing

Course Code: A903501

Semester: 5th

Credit-4

**L T P
4 0 0**

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about Enhance Skill in marketing nature, scope and importance in garment industry.
CO2	Understand marketing planning and process.
CO3	Gain knowledge about factors affecting the fashion industry
CO4	Understand the Pricing policies, this influence fashion marketing.
CO5	Understand fundamental of Market research, market channels.



Course Content

UNIT-I

Introduction to marketing: its nature, scope and importance in garments industry.
 Meaning of fashion market.
 Marketing planning and processes.
 Marketing terminology: Market, niche market, target customer, vendor, supplier, Franchise, market research, sales, brand equity, market share etc.

UNIT-II

Fashion market and marketing environment.
 Factors affecting fashion industry.
 Basic theories of fashion.
 Product mix
 Pricing –Economic concepts and objectives of pricing

UNIT-III

Target market.
 Trend reports-bloc note, Tobe report.
 Lying buying v/s trend buying.

UNIT-IV

4P's for marketing.
 Market plan, purpose and product feature.
 Market research.
 User's buying behavior.
 Marketing communication.
 Technological influence on fashion marketing.
 Distribution System: channels and choice of distribution system.

References Books:

1. Essey Mike.2008 *Fashion Marketing* , Publisher Blackwell.
2. Soloman, Michale R 2006 “*Consumer Behavior in Fashion*” Publisher Pearson.
3. Mary *Fashion Marketing & Merchandisin*,2008 Publisher Goodheart-Willcox

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	3	1	3	2	3	1	1	2	3	1	2	1	1	2
CO2	1	2	3	1	3	-	3	2	3	1	3	1	1	2	3
CO3	2	3	2	2	3	2	3	1	2	1	2	3	2	3	-
CO4	2	1	3	1	1	2	1	3	1	2	1	1	1	2	3



CO5	3	1	2	3	2	3	2	1	2	3	2	1	1	3	1
Average	1.8	1.8	2.2	2.0	2.2	2	2.0	1.6	2.0	2.0	1.8	1.6	1.4	2.2	1.8

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Organization of Fashion Industry

Course Code: B903502

Semester: 5th

Credit-4

L T P

4 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand terms used in and working of different departments of fashion industry.
CO2	Learn about men's, woman's and children's garments and their classification.
CO3	Understand the process of garment manufacture from designing to promotion and selling.
CO4	Get knowledge about the function of stores and their operations to smoothly handle customers.

Course Content

UNIT-I

Describe basic fashion industry terms like retail, buyer, merchandise, merchant etc.
 Work flow in a fashion industry through different departments.
 Describe classifications of fashion.

UNIT-II

Segments of fashion industry.
 Women's wear markets, classifications, price points, size specialization – selling seasons - promoting women's wear.
 Men's wear markets, classifications, size specialization - selling men's wear.
 Children's wear-classifications, size classifications, promoting children's wear.
 Intimate apparel.

UNIT-III

Retail operations.
 Department stores

Describe operational store policies

UNIT-IV

Customer service.

Selling services.

Promotional activities.

Describe the importance of location, exterior and interior.

Reference Books:

1. Michael A, 2011 *The Business of Fashion* Stevens.
2. Veronica Manlow. 2018 *Design Cloths Culture & Organization*
3. Jaace Bubonia., 2011 *Apparel Production terms & Processes*

The mapping of PO/PSO/CO attainment is as follows

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	2	3	1	2	3	1	3	1	1	2	3	-	3
CO2	1	2	3	1	2	3	3	2	1	2	3	1	1	1	2
CO3	2	3	1	2	3	1	2	3	1	2	2	3	3	3	3
CO4	1	2	3	2	1	2	3	-	2	3	1	1	1	3	2
Average	1.7	2.0	2.2	2.0	1.7	2.0	2.7	1.5	1.7	2.0	1.7	1.7	2.0	1.75	2.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Computer Aided Fashion Design-II

Course Code: A903503

Semester: 5th

Credit-3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about Corel draw and Adobe Photoshop and difference between raster and vector graphics
CO2	Understand basic features of CorelDraw and Adobe Photoshop and various page setups.
CO3	Learn fundamental of Corel and adobe Photoshop tolls and Concept of layers.
CO4	Understand importance of computer aided design, which creates employability.

Course Content

UNIT-I

Introduction to design softwares (adobe Illustrator) and their interface and tools

Introduction to FONTS and their usage.

UNIT-II

Use and function of various editing/effects tools of Photoshop.

UNIT-III

Introduce students to CAD softwares for pattern making, maker making, Grading, Digitizing.

UNIT-IV

Introduction to digitizing and grading on the software.
Lay out of pattern for cutting and marker making for efficient fabric consumption.

References Books:

- 1.Norton,2002 *Introduction to Computers*, Peter.
- 2.Bright ,2007 *Introduction to Computer Fundamentals*.
- 3.Peter Shirley,2009 *Fundamentals of Computer Graphic*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	3	1	3	2	3	1	2	1	2	3	2	3
CO2	2	1	3	3	2	1	2	1	3	1	3	1	2	1	2
CO3	1	2	3	2	2	3	1	2	3	1	2	3	2	3	-
CO4	3	2	1	2	3	2	2	3	1	3	1	-	1	3	1
Average	1.7	1.7	2.0	2.5	2.0	2.2	1.7	2.2	2.0	1.7	1.7	1.5	2.0	2.2	1.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Accessory Design and Construction Lab

Course Code: A903504

Semester: 5th

Credit-3

L T P

0 0 6

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn how to sign fashion accessories.
CO2	Understand the Design and how to design accessories.
CO3	Learn about the materials, Equipment to make the fashion accessories as well as renovate the old accessories.
CO4	Understand importance of Accessory design industry, this creates entrepreneurship.



Course Content

UNIT-I

Fashion accessories-its types [bags, hats/ millinery, gloves, shoes, belts, neckties, scarves, jewellery.

UNIT-II

Design and construct jewellery by taking any inspiration

UNIT-III

Design and renovate a hand bag according to a particular client.

UNIT-IV

Design and construct a scarf.

Design and construct a head gear

Reference Books:

1.Madhubani, Parkash 1994, *An Invaluable Book On The original Art Tradition Design Point*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	1	2	1	2	2	3	1	1	2	3	1	2
CO2	1	2	1	3	2	3	1	2	3	2	3	1	1	2	3
CO3	2	3	2	1	1	2	3	3	2	1	2	3	1	2	-
CO4	2	1	2	2	3	1	3	-	3	2	1	1	3	1	3
Average	1.7	2.2	1.7	1.7	2.0	1.7	2.2	1.7	2.7	1.5	1.75	1.75	2.0	1.5	2

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Computer Aided Fashion Design-II

Course Code: A903505

Semester: 5th

Credit-3

**L T P
0 0 6**

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about Corel draw and Adobe Photoshop and difference between raster and vector graphics
CO2	Understand about basic features of CorelDraw and Adobe Photoshop and various page setups.
CO3	Understand importance of design products, which creates employability.
CO4	Learn about applications which are essential for textiles and apparels.
CO5	Learn about Corel draw and Adobe Photoshop and difference between raster and vector graphics



Course Content

UNIT-I

Illustrating fashion model figures in front profiles and movement.
Draping the fashion figure in different silhouette.

UNIT-II

Drape garments like skirt, shirt, gown, denim etc.
Fashion details like plackets, collars, cuffs and buttons.
Various illustration tools of Corel draw and Photoshop.

UNIT-III

Design a logo and create a brochure for your own label.
Draw 3 profiles of female flesh figures (front, side and ¾th).
Show different silhouette in the garment
Stitch lines.

UNIT-IV

Trims.
Make collage and swatch board.
Drape different type of garments.
Design a mood/story board according to the selected theme (both paper and computer assignment).

Reference Books:

- 1.Norton, 2002 *Introduction to Computers*, Peter.
- 2.Bright ,2007 *Introduction to Computer Fundamentals*
- 3.Peter Shirley ,2009 *Fundamentals of Computer Graphics*

The mapping of PO/PSO/CO attainment is as follows

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	3	3	2	1	1	2	2	3	1	2	1	3	2
CO2	3	2	1	2	1	2	3	1	2	3	3	1	1	2	-
CO3	1	1	2	2	3	3	1	3	3	2	2	3	2	1	1
CO4	2	3	1	2	3	1	3	-	3	3	1	1	3	2	3
CO5	1	3	2	1	2	3	2	2	3	2	2	1	3	1	3
Average	1.8	2.2	1.8	2.0	2.2	2.0	2.0	1.6	2.6	2.6	1.8	1.8	2.0	1.8	1.8

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Drafting Pattern Making & Garment Lab

Course Code: A903506

Semester: 5th

Credit-4

**L T P
0 0 8**

Course Outcomes: On Successful completion of this course, the students will be able to:



CO	Statement
CO1	Understand the drafting of men’s and women’s professional garments by using different methods.
CO2	Learn about the materials and techniques used to construct professional dresses of men and women.
CO3	Learn about Construct men’s and women’s shirt, trouser and waist coat.
CO4	Gain and enhance Skill in Garment Construction.

Course Content

UNIT-I

Drafting of:
Shirt of Men’s/Woman’s
Trouser of Men’s/Woman’s

UNIT-II

Waist coat

UNIT-III

Garment Construction:
Shirt of Men’s/Woman’s
Trouser of Men’s/Woman’s

UNIT-IV

Waist coat

Reference Books:

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

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	1	2	1	3	1	2	2	1	2	1	1	2
CO2	1	2	3	2	1	2	2	1	1	2	3	1	3	3	-
CO3	2	1	1	3	3	3	1	3	2	3	2	3	1	2	3
CO4	3	3	2	1	1	1	2	2	3	-	1	1	2	1	2

Average	1.7	2.0	1.7	1.7	1.7	1.7	2.0	1.7	2.0	1.75	1.7	1.75	1.75	1.5	1.75
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The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: BASIC OF COSMETOLOGY

Course Code: A903507

Semester: 5th

Credit-3

**L T P
2 0 0**

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand skin anatomy and its function
CO2	Understand importance of facials and their types.
CO3	Learn various types of Analysis and skin types.
CO4	Understand daily skin care regime such as cleansing, Toning moisturizing.
CO5	Understand methodology of nail care, this is essential in saloon in context of entrepreneurship.

Course Content

UNIT-I

Cosmetology: Definition of cosmetology, cosmetologist, types in cosmetology, scope in cosmetology in India and Abroad.

Professional Ethics: At reception of salon, with employees, with fellow co-workers, with employers.

UNIT-II

The Skin Structure: Study of the anatomy of skin, functions of skin, types of skin and its care, pH factor of skin.

Facials: The importance of facials, types of facial according to skin types and its benefits.

UNIT-III

DAILY SKIN CARE REGIME: Need for cleansing, toning, moisturizing, role of cleansing, toning and moisturizing, preparation of organic cleansers, toners and moisturizing.

NAIL CARE: Its structure, care of nail, shapes of the nail.

UNIT-IV

MANICURE AND PEDICURE: Meaning of manicure and pedicure, types in manicure and pedicure, procedure followed in manicure, procedure followed in pedicure, Contraindication and precautions taken while doing manicure and pedicure.

References Books:

1.Sanyal Ishita,2008, *ITI Basic of Cosmetology*,Publisher: Neelkanth Publishers Pvt. Ltd.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	2	2	2	3	2	2	3	2	1	2	2	2	-
CO2	1	2	3	1	1	2	2	3	2	-	3	1	2	2	1
CO3	1	1	2	2	2	2	2	2	1	3	2	3	1	2	2
CO4	2	3	3	2	1	2	2	3	3	2	1	1	3	1	2
CO5	2	1	2	2	3	1	1	2	2	3	2	1	2	1	1
Average	1.8	1.6	2.4	1.8	1.8	2.0	1.8	2.4	2.2	2	1.8	1.6	2.0	1.6	1.2

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Industrial Management-II
Course Code: 903508
Semester: 5th

Credit-3

L T P
3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand work of textile industry, Indian economy and the impact of economy on textile industry.
CO2	Learn about the clothing consumption and factors that affects clothing consumption.
CO3	Enhance skill global sourcing, international transactions and problem regarding these.
CO4	Learn about the industrial production management, functions and structure of management.
CO5	Manage their garments production business or import export business.

Course Content

UNIT-I



Textile Industry and Indian Economy
Clothing consumption in India and factors influencing the consumption

UNIT-II

Principles and Functions of Industrial Management; Structure of Industrial Management
Production Management – Meaning, Scope, Benefits of good production management,
Types of production process, Job batch, Assembly line, Mass production

UNIT-III

Global sourcing and marketing Steps involved in import and export of garments; problems
in export and import of textile and apparel

UNIT-IV

Changing problem in production of apparel and textile

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	3	2	2	3	2	1	2	2	2	1
CO2	1	2	3	1	1	2	2	3	2	1	3	1	2	2	1
CO3	1	1	2	3	2	2	2	2	-	3	2	3	1	2	2
CO4	2	3	3	2	1	2	2	3	1	2	1	1	3	1	2
CO5	2	1	2	2	3	1	1	2	2	3	2	1	2	1	-
Average	1.8	2.0	2.4	2.0	1.8	2.0	1.8	2.4	1.6	2.2	1.8	1.6	2.0	1.6	1.2

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Reference Books:

- 1.Bhardwaj S.K. &Mehta P.V.,2006, *Managing Quality*, New Delhi
- 2.Banga T.R.,2017 *Industrial Engineering &Management*
- 3.Khanna O.P.,2017 *Industrial Engineering &Management*, Delhi.

Course Name: History of Indian Painting

Course Code: 903509

Semester: 5th

Credit-3

**L T P
3 0 0**

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about the history of Indian Sculpture (Bharhut, Sanchi, Amaravati, Mathura, Sarnath, Ellora, Elephanta).
CO2	Understand classical Medieval Sculpture (Sarnath, Deogarh, Ellora, Elephanta, Mahabalipuram).
CO3	Get knowledge about the history of Indian Paintings and Mural Tradition (Ajanta, Bagh, Badami, Sittannaval, Ellora).
CO4	Enhance and implement skill of Miniature Painting



CO5	Understand about Eastern and Western Indian art Schools.
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Course Content
UNIT-I

History of Indian Sculpture:

Bharhut, Sanchi, Amaravati, Mathura, Sarnath, Ellora, Elephanta.

UNIT-II

Classical Medieval Sculpture:

Sarnath, Deogarh, Ellora, Elephanta, Mahabalipuram

UNIT-III

History of Indian Painting:

Mural Tradition: Ajanta, Bagh, Badami, Sittannavasal, Ellora.

UNIT-IV

Beginning of Miniature Painting: Early palm-leaf Manuscripts

Eastern Indian School.

Western Indian School.

References books

1.Sayeed Ausaf,2012 *Indian art & culture*

2.Bawa Seema,2013 *Gender & Sexuality in early Indian art*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	3	2	2	3	2	1	2	2	2	-
CO2	1	2	3	1	1	2	2	3	2	-	3	1	2	2	1
CO3	1	1	2	3	2	2	2	2	1	3	2	3	1	2	2
CO4	2	3	3	2	1	2	2	3	1	2	1	1	3	1	2
CO5	2	1	2	2	3	1	1	2	2	3	2	1	2	1	1
Average	1.8	2.0	2.4	2.0	1.8	2.0	1.8	2.4	1.8	2	1.8	1.6	2.0	1.6	1.2

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation

Course Name: Internet Applications

Course Code: CB100323

Semester: 5th

Credit-3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Get knowledge about working of WWW, Hypertext and Hypermedia, URL,



	Searching the WWW. Be able to get a job in industry area.
CO2	Learn about web page and web site and create own web site in html.
CO3	Understand importance of internet application in employability.
CO4	Understand functionalities of Electronic Mail and Telnet.

Course Content

UNIT-I

Introducing the Internet

Overview: Internet - working and development, Architecture, internet, intranet and extranet, Design goals, issues and related aspects, Internet Domain Names and IP addresses, connecting LAN to Internet.

Internet Connectivity: Connection concepts, FDDI, ISDN, ADSL, PPP and ATM, web servers And browsers

UNIT-II

Electronic Mail and Telnet

Overview: Working of email, Advantages of email, Understanding of Internet email addresses

Using Telnet to access a remote machine.

FTP

Connecting to an Anonymous FTP site using FTP to retrieve a file, common FTP commands.

UNIT -III

Search Engines

Introduction to usenet, organization of usenet articles, reading, saving, mailing, writing and Posting of an article. Basic gopher commands, accessing virtual reference desk through gopher

UNIT-IV

WWW-World Wide Web

Working of WWW, Hypertext and Hypermedia, URL, Searching the WWW.

References Books:

- 1.Ernest Ackerman,2002,*Learning to use the Internet*, Published: Beedle Associates Inc.
- 2.Kris Jony & Ken Cope,2007,*Internet Programming*,Published: Galgotia Publications,

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	1	2	1	3	1	2	2	1	2	1	1	2
CO2	1	2	3	2	1	2	2	1	1	2	3	1	3	3	-

CO3	2	1	1	3	3	3	1	3	2	3	2	3	1	2	3
CO4	3	3	2	1	1	1	2	2	3	-	1	1	2	1	2
Average	1.7	2.0	1.7	1.7	1.7	1.7	2.0	1.7	2.0	1.75	1.7	1.75	1.75	1.5	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation

Course Name: Basic Food Science

Course Code: CB100327

Semester: 5th

Credits - 3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand required knowledge of food micro biology and food processing.
CO2	Enhance skill of principle behind analytical techniques associated with food.
CO3	Understand the role, significant and microbial in adaptation and environmental factors (i.e. heat, acid, and alkali) on food constants.
CO4	Gain knowledge about the source and variability of raw food material and their impact on food processing.
CO5	Gain and apply knowledge about carbohydrates and portions present in foods and their user in different food preparation.

Course Content

UNIT -1

Definition and scope of food science and it's inter-relationship with food Chemistry, food microbiology and food processing.

CARBOHYDRATES: Introduction, Effect of cooking (gelatinization and retro Gradation), Factors affecting texture of carbohydrates (Stiffness of CHO gel & Dextrinization, Uses of carbohydrates in food preparations

UNIT -II

PROTEINS: Basic structure and properties, Type of proteins based on their origin (plant/animal), Effect of heat on proteins (Denaturation, coagulation), Commercial uses of proteins in different food preparations (like Egg Jells, Gelatin gels, Cakes, Confectionary items, Meringues, Soufflés, Custards, Soups, Curries etc.)

UNIT-III

FOOD PROCESSING: Definition, Objectives, Types of treatment, Effect of Factors like heat, acid, alkali on food constituents

UNIT-IV

EVALUATION OF FOOD: Objectives, Sensory assessment of food quality, Methods, Introduction to proximate analysis of Food constituents, Rheological Aspects of food.

References Books:

1. Nestle Marion, 2005 *The Atlas of Food Enk Millstone*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	3	2	2	3	2	1	2	2	2	1
CO2	1	2	3	1	1	2	2	3	2	-	3	1	2	2	1
CO3	1	1	2	3	2	2	2	2	1	3	2	3	1	2	2
CO4	2	3	3	2	1	2	2	3	1	2	1	1	3	1	2
CO5	2	1	2	2	3	1	1	2	2	3	2	1	2	1	-
Average	1.8	2.0	2.4	2.0	1.8	2.0	1.8	2.4	1.8	2	1.8	1.6	2.0	1.6	1.4

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: FUNDAMENTALS OF BUSINESS ENVIRONMENT

Course Code: CB100330

Semester: 5th

Credits - 3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Learn about factors of business environment and their effect on business.
CO2	Understand concept, Nature, Scope, Elements and features of business environment.
CO3	Understand Legal, Social and technological aspects in context of Employability.
CO4	Learn about political and economic environment.

Course Content

UNIT-I

Business Environment:-Concept, Significance, Nature & Scope of business environment; Elements of business environment- micro & macro, Environmental scanning: Concept and techniques of scanning the business environment.

UNIT-II

Political Environment: Constitutional hierarchy - Legislature, Executive and Judiciary.
Fundamental rights and Directive Principles of state policy, Rationale and extent of state intervention.

UNIT-III

Economic Environment: Concept and Salient features of various economic systems, New Industrial policy, new economic policy, Business cycle, Aspects of economic reforms and its effects on business.

UNIT -IV

Legal Environment: Company Regulatory Legislations in India.
Social Environment: - Corporate social responsibility, Business ethics, Cross culture Environment, Consumer Act; Environmental Protection act.
Technological Environment, Impact of new technology, Problem of technology transfer.

Reference Books:

Ghosh P.K, 2008, *Economic Environment for Business*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	1	2	1	3	1	2	2	1	2	1	1	2
CO2	1	2	3	2	1	2	2	1	1	2	3	1	3	3	-
CO3	2	1	1	3	3	3	1	3	2	3	2	3	1	2	3
CO4	3	3	2	1	1	1	2	2	3	-	1	1	2	1	2
Average	1.7	2.0	1.7	1.7	1.7	1.7	2.0	1.7	2.0	1.75	1.75	1.75	1.75	1.5	1.75

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Merchandising

Course Code: A903601

Semester: 6th

Credit-5

L T P

1 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Gain knowledge of the industry, industry specifications, non- discrimination and diversity in the workplace.
CO2	Understand Applied managements topic to manage, control and improve industry environment.
CO3	Understand concept such as Critical thinking math, science skills for problem solving.
CO4	Understand organization and structure of global textile/apparel complex.

Course Content

UNIT-I

Define merchandising and its application to the Fashion industry.
Explain target market and describe in terms of fashion market.
Demographics and psychographics.

UNIT-II

Describe merchandising policies according to:
Fashion cycle.
Quality of product.
Price of product.
Depth and breadth of brand.

UNIT-III

Demographics, psychographics and global impacts.
Merchandising policies.
Planning and Preparation.
Strategies & terminology.

UNIT-IV

Fashion visual merchandising
Element and function of visual merchandising
Store exterior
Role of merchandising in fashion industry

Reference Books:

1. Pooja Chately, 2005 *Fashion Merchandising & Marketing*, Publisher Kalyani Publisher.
2. Dickerson, 2007 *Fashion from Concept to Consumer* Publisher Pearson

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	1	2	1	3	1	2	2	1	2	1	1	2
CO2	1	2	3	2	1	2	2	1	1	2	3	1	3	3	-
CO3	2	1	1	3	3	3	-	3	2	3	2	3	1	2	3
CO4	3	3	2	1	1	1	2	2	3	1	1	1	2	1	2
Average	1.7	2.0	1.7	1.7	1.7	1.7	1.75	1.7	2.0	2.0	1.75	1.7	1.75	1.5	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Personality & Clothing
Course Code: 903602
Semester: 6th

Credit-5

L T P
5 0 0

Course Outcomes: On Successful completion of this course, the students will be able to:

CO	Statement
CO1	Understand personality & clothing, to design their career
CO2	Learn research and relate fashion design to a broader social, economic and environmental context.
CO3	Propose and apply various techniques related to drafting draping, designing of garments.
CO4	Implement their ideas verbally required for designing.

Course Content

UNIT-I

Definition of Personality.
History and theories of clothing.

UNIT-II

Factors affecting selection of clothing-age, season, income, fashion, occasion, culture, religion, Figure, Profession.
Clothing psychology-sloppy, Designer, Skimpy, Business, Flashy, Drab, Athletic, Goth, Casual.

UNIT-III

Clothing according to personality-Dainty, Sturdy Dramatic, Demure, Dignified, vivacious.

UNIT-IV

Relation of clothing to physical and mental health of wearer.
Impact of clothing on personality and vice versa
First impression, motivation in clothing selection and choice, personality & self concept
Clothing and social behavior, conformity in clothing

Reference Books

- 1.Elizabeth Rouse, 1989, *Understanding Fashion*, Blackwell Scientific Publication, Oxford.
- 2.Churye G.S, 1995,,*Indain Costume*, Ramdas Bhatkal for popular Parkashan pvt.Ltd.Bombay

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3

CO1	1	2	1	1	2	1	3	1	2	2	1	2	1	-	2
CO2	1	2	3	2	1	2	2	1	1	2	3	1	3	3	1
CO3	2	1	1	3	3	3	-	3	2	3	2	3	1	2	3
CO4	3	3	2	1	1	1	2	2	3	1	1	1	2	1	2
Average	1.7	2.0	1.7	1.7	1.7	1.7	1.75	1.7	2.0	2.0	1.7	1.75	1.75	1.5	2.0

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation

Course Name: HUMAN VALUES AND PROFESSIONAL ETHICS

Course Code: 100303

Semester: 6th

Credits-03

**L T P
3 0 0**

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statement
CO1	Recognize importance of human values, Harmony and ethical behaviour in real life situations.
CO2	Enhance skill and somehow be sensitive to value system in real life situations.
CO3	Understand the difference between ephemeral and internal values.
CO4	Understand about difference essence and form

Course Content

UNIT-I

Course Introduction: Need, Basic Guidelines, Content and Process for Value Education
Understanding the need, basic guidelines, content and process for Value Education.
A look at basic aspirations: Self Exploration, Happiness and Prosperity* Fulfilment of human aspirations and harmony

UNIT-II

Understanding the Harmony: Thoughtful human being harmony, sentient, attitude and its importance in relationship* Significance of restraint and health (Yama and Niyama).
Human goal settings and life management techniques, existence and co-existence, trust, respect in universal order

UNIT-III

Understanding professional Ethics: Harmony at various levels and understanding professional ethics. Creating environmental aware engineers. Humanistic universal education, natural acceptance of human values, ethical human conduct

UNIT-IV



Competence of professional ethics: Management models for present technologies, strategies for integrating humans in family and at all levels of existence* Relevance of the above strategies in becoming responsible engineers, technologists and managers.
 Motivation: Contribution of ancestors in science and technological development to raise self-esteem in Indian context.

Reference Books:

- 1.R R Gaur, R Sangal, G P Bagaria, 2009, *A Foundation Course in Value Education*,
2. A Nagraj, 1998, *Jeevan Vidya ek Parichay*,

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	1	3	1	1	2	2	1	3	1	2	3	1	1
CO2	3	2	3	1	3	3	1	1	3	2	3	1	1	2	3
CO3	1	3	1	2	1	2	1	2	1	2	2	3	1	2	-
CO4	1	1	2	1	2	3	1	1	-	1	1	1	2	1	2
Average	2	2	1.7	1.7	1.7	2.2	1.2	1.5	1.2 5	2	1.7	1.7	1.7	1.5	1.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Show
Course Code: A903603
Semester: 6th

Credit-3

L T P
0 0 6

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statement
CO1	Understand sustainability in their design development.
CO2	Plan, produce exact style and evaluation professional fashion show.
CO3	The requirements of fashion show and how to walk on ramp.
CO4	Learn about planning of fashion show.

Course Content

UNIT-I

Fashion show rules.
 Aims and objectives of fashion show.

UNIT-II

Finding models for your event.
 Fashion show model instructions.

UNIT-III



Planning of fashion show.
 Selection of theme according to season (spring, summer, autumn, winter).
 Ramp walks techniques.

UNIT-IV

Making of fashion show model profile.
 Designing & construction of garments according to theme for the Fashion show.

Reference Books:

1. Ellen Elaine *Dynamics of Fashion*, Publisher Fairchild.
2. Gini Stephens, 1999 *Fashion Concept to Consumer*, Prentice Hall International, New Jersey Stone, Elanie & Samples, Jean. A., *Fashion Merchandising*, McGraw Hill, New York.
3. Sengupta., Hindol., 2005. *Indian Fashion*, Pearson Education, New Delhi
 Jain, Payal. 2004, *Fashion Studies: An Introduction*, Har Anand Publication.
4. Frings 1991., *Fashion Concept to Consume*, 3rd Edition, Prentice Hall International, New Jersey

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	1	1	2	3	1	3	1	-	2	3	1	3	1
CO2	1	3	2	1	2	2	1	3	3	3	1	2	3	1	1
CO3	3	2	1	3	2	1	3	2	1	2	3	3	2	1	2
CO4	3	2	1	2	1	2	1	3	3	1	1	3	1	2	-
Average	2.2	2.5	1.2	1.7	1.7	2	1.5	2.7	2	1.5	1.7	2.7	1.7	1.7	1

levels The correlation are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Portfolio

Course Code: A903604

Semester: 6th

Credit-5

**L T P
0 1 0**

Course Outcomes: On Successful completion of this course, the Students will able to :

CO	Statement
CO1	Produce original designs and develop collections (for their portfolio).
CO2	Have the opportunity to work in teams to create unique designs.
CO3	Learn how produce original designs and dynamic illustration (for their portfolio).
CO4	Understand importance of Portfolio Fashion Model, this creates employability.

Course Content

Students will organize their best work in a single designer lodge.

Reference Books:

- Kiper Anna, 2014 *Fashion Portfolio: Design & Presentation*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	1	2	2	2	1	1	2	3	2	1	2	1	2	-
CO2	3	2	3	1	2	2	2	3	2	2	3	1	2	3	2
CO3	1	1	2	2	2	1	2	2	3	1	2	3	2	2	1
CO4	2	2	3	2	3	1	2	-	3	2	1	1	3	1	2
Average	1.7	1.5	2.5	1.7	2.2	1.2	1.7	1.75	2.7	2.7	1.7	1.7	2	2	1.25

levels The correlation are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Industrial Training

Course Code: 903605

Semester: 6th

Credit-4

**L T P
0 0 0**

Course Outcomes: On Successful completion of this course, the Students will able:

CO	Statement
CO1	Demonstrate practical and professional skills to operate the industrial machinery and equipments of garment construction and will be able to manage work. That will help throw out their careers in fashion industry.
CO2	Gain knowledge of report writing techniques by making a report of their training.
CO3	Implement the techniques and process to prepare and give a presentation.
CO4	Learn how to work in the garment production industry.

Course Content

Students will make the report of their industrial visit, which they had done in the break of 5th and 6th semester and will make the presentation.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	1	1	1	3	1	1	2	3	1	3
CO2	2	3	1	2	3	1	2	3	2	1	3	1	3	2	-
CO3	1	2	3	1	2	3	1	2	3	3	2	3	1	3	1
CO4	1	2	1	2	1	2	1	2	-	2	1	1	2	1	2
Average	1.7	2.2	2	2	2	1.7	1.2	2	2	1.7	1.7	1.7	2.2	1.7	1.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Fashion Retailing and Merchandising

Course Code: 903606

Semester: 6th

Credit-3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the Students will able to:

PO/PSO/CO	Statement
CO1	Know process of basic buying/purchasing/selling management methods to meet the needs of a simulated retail market.
CO2	Understand appropriate retail formats and structures for different type of retail outlets.
CO3	Gain knowledge about selling, purchasing, and buying activities and stock in retailing.
CO4	Understand importance of fashion retailing business or fashion store, this creates employability.

Course Content

UNIT-I

Retail Formats, Retail Organizational Structure; Line and Staff Structure.

Buying and Selling, Role and Responsibilities of a Buyer, Vendor Relations, Vendor Matrix,

Customer Identification, Customer Classification.

UNIT-II

Product and Line Development, Sample Production.

Time Flow Management: Product Scheduling, Issue Plan, Inventory Control, Plant Capacity, Time Flow, Time Estimation

UNIT-III

Purchase Terms: Discounts, Purchase Order, Payment Terms

Costing, Cost Price, Selling Price, Backward Costing, Cost Sheet, Wholesale Pricing

UNIT-IV

Brands & Labels,

Various Types of Contracting

References Books:



1. Donnellan John 2001, *Merchandise Buying & Management*, Publisher: Farechild Books,
2. Kitty G. Dickerson 2003, *Inside the Fashion Business*, 7th Edition,

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	1	3	3	-	2	3	1	3	1	2	2	2	3
CO2	1	2	3	2	2	3	3	1	2	2	3	1	3	1	-
CO3	2	3	1	2	3	2	3	1	2	3	2	3	2	1	3
CO4	2	3	1	3	1	3	2	3	2	1	1	1	3	1	2
Average	1.7	2.7	1.5	2.5	2.2	2	2.5	2	1.7	2.2	1.7	1.7	2.5	1.2	2

The correlation levels are: "1" - Low Correlation, "2" - Medium Correlation, "3" - High Correlation and "-" indicates there is no correlation.

Course Name: Quality Management
Course Code: 903607
Semester: 6th

Credit-3

L T P
3 0 0

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statement
CO1	Understand the quality management concept and techniques to control and improve quality at the different production levels and places.
CO2	Learn about the tools and techniques for the continuous improvement of quality
CO3	Get knowledge about the international standards of quality, Indian apparel quality standards and will be able to maintain these standard levels.
CO4	Learn about quality inspection at each step of production process.
CO5	Understand about production from hazards, this creates employability.

Course Content

UNIT-I

Quality: Definition, Importance and Role, Cost of Quality.
 Introduction to TQM, Concept of Six Sigma, Planning Continuous Improvement:
 Effective Team

UNIT-II

Development, Internal Customer Supply Chain.
 Leadership, Supplier Relationship.
 Quality Expectations of International Buyers and Quality of Indian Apparel in
 International Market.

UNIT-III



Inspection Procedures: Raw Material Inspection, in process Inspection, Final Inspection, How Much to Inspect, Sampling.

Care Labeling of Apparel and Textiles. Standards: Definition, Benefits, Levels of Standards, Sources of Standards: ASTM, BIS.AATCC, ANSI, BSI, ISO, ISO 9000 Series.

UNIT-IV

Clothing and Hazard: Product Liability, Drawstrings in Children’s’ Clothing, Flammability in Children’s’ Sleepwear, Small Parts Hazard.

References Books:

1. Lindsay,2008, *The Management of Control of Quality*, (7th edition), Thomsan Business Info.

The mapping of PO/PSO/CO attainment is as follows:

PO/PS O/CO	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	PO 10	PO 11	PO 12	PS O1	PS O2	PS O3
CO1	1	2	3	2	3	2	1	1	2	2	1	2	1	3	2
CO2	2	3	2	1	2	3	3	2	1	1	3	1	2	2	-
CO3	1	3	2	1	2	1	3	1	3	1	2	3	1	3	1
CO4	2	3	2	3	1	3	2	3	2	2	1	1	3	2	3
CO5	3	2	3	2	3	1	2	3	2	-	2	1	3	1	2
Average	1.8	2.6	2.4	1.8	2.2	2	2.2	2	2	1.2	1.8	1.6	2	2.2	1.6

The correlation levels are: “1” – Low Correlation, “2” – Medium Correlation, “3” – High Correlation and “-” indicates there is no correlation.

Course Name: Entrepreneurship Development

Course Code: 903608

Semester: 6th

Credit-3

**L T P
3 0 0**

Course Outcomes: On Successful completion of this course, the Students will able to:

CO	Statement
CO1	Understand about the entrepreneurship, its characteristics and management of entrepreneurship.
CO2	Plans and implement strategies to start and run a new business.
CO3	Start their own venture in textile and apparel industry.
CO4	Understand about the SSI and government policies and all the other factors to start SSI.

Course Content

UNIT-I

Entrepreneurship: An Overview; Definition of an entrepreneur, characteristics, Entrepreneurship Management and Ownership

UNIT-II

Contrast of entrepreneurship with management, Role of an entrepreneur in Industrial development, starting a new business, Business planning/Strategic planning and Strategic Management, Site selection and layout.

UNIT-III

Establishing New Venture in Textile and apparel industry:
Opportunities for Entrepreneurship, Meaning and definition of SSI, Ancillary industry, importance of SSI, Government policies for SSI.

UNIT-IV

Basic criteria for final selection of a business opportunity, Amount of investment, Nature of technology. Input requirement for setting up SSI, SMES, and Institutional support to SSI at State & National level. Product identification in various fields causes of industrial disputes, Machinery for settlement of disputes, idea of risk management

Reference Books:

1. Peggy A. Lambing (1999), *Entrepreneurship*, 2/e Prentice Hall.
2. David Carson, Stanley Cromie & Pauric McGowan (1996), *Marketing and Entrepreneurship in SME's: An innovative approach*, 1/e. Prentice Hall.

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	1	3	2	1	2	1	2	1	2	1	2	3	1	2
CO2	3	1	2	1	2	1	2	1	2	3	3	1	2	3	-
CO3	1	2	3	1	2	3	1	2	3	2	2	3	1	2	1
CO4	1	3	1	3	1	-	3	1	2	1	1	1	3	1	3
Average	1.7	1.7	2.2	1.7	1.5	1.5	1.7	1.5	2	2	1.7	1.7	2.2	1.7	1.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: BASICS OF OPERATING SYSTEM

Course Code: CB100308

Semester: 6th

Credit-3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the Students will able:

CO	Statement
CO1	Learn about Operating Systems, Main Functions and characteristics of Operating Systems, Types of Operating Systems.



CO2	Understand scheduling process of operating system.
CO3	Understand how to install window and trouble shooting..
CO4	Understand about Device Management: Dedicated devices, shared devices, virtual devices, channels, I/O traffic controller, I/O scheduler, I/o Device handlers.

Course Content

UNIT-I

Introduction to Operating Systems, Main Functions and characteristics of Operating Systems, Types of Operating Systems.

UNIT-II

Process Management: Process States, Process Control Block, Process Scheduling, Critical Regions, Race Conditions, Deadlocks.

UNIT-III

Memory Management: External fragmentation, internal fragmentation, Compaction, Paging, Segmentation, Virtual memory, Demand paging.

UNIT-IV

Device Management: Dedicated devices, shared devices, virtual devices, channels, I/O traffic Controller, I/O scheduler, I/O Device handlers.

References Books:

- 1.Peter B. Galvin,2003, *A. Silberchatz: Operating System Concepts, Addison Wesley*, 6th Edi.
2. A.C. Shaw 1976, *Logic Design of operating System*, Prentice Hall,
3. M.J. Bach,1986, *Design of UNIX Operating system*, PHI

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	1	3	1	2	3	2	3	1	2	2	3	2
CO2	2	3	2	3	1	2	2	1	1	1	3	1	2	3	-
CO3	2	3	2	3	2	2	2	2	1	1	2	3	2	1	1
CO4	2	3	2	3	2	3	1	1	-	2	1	1	3	2	3
Average	2.2	2.7	2.2	2.5	2	2	1.7	1.7	1	1.7	1.7	1.7	2.2	2.7	1.5

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: Food Nutrition

Course Code: CB100326

Semester: 6th

Credit-3

L T P

3 0 0

Course Outcomes: On Successful completion of this course, the Students will able:

CO	Statement
CO1	Understand the fundamental concept in food and nutrition.
CO2	Learn about the nutrient content of most primary food sources.
CO3	Understand function of specific nutrients in maintaining health, identifying nutrient specific foods and apply principles of the various facets of food science and related discipline to solve practical as well as real world problem
CO4	Get knowledge of basic terminology and aspects and nutrition and the functions of food in healthy life sustenance.

Course Content

UNIT-1

BASIC ASPECTS: Definition of the terms Health, Nutrition and Nutrients, Importance of Food – (Physiological, Psychological and Social function of food) in maintaining good health., Classification of nutrients.

UNIT-II

ENERGY: Definition of Energy and Units of its measurement (Kcal), Energy Contribution from macronutrients (Carbohydrates, Proteins and Fat), Factors Affecting energy requirements, Dietary sources of energy. Concept of energy balance and the health Hazards associated with Underweight, Overweight.

UNIT-III

MACRO NUTRIENTS: Carbohydrates-Definition, Classification (mono, di and Polysaccharides), Dietary Sources, Functions, Significance of dietary fiber (Prevention/treatment of diseases)Lipids-Definition, Classification: Saturated and Unsaturated fats, Dietary Sources, Functions, Significance of Fatty acids (PUFAs, MUFAs, SFAs, EFA) in maintaining health, Cholesterol – Dietary sources and the Concept of dietary and blood cholesterol, Proteins-Definition, Classification based Upon amino acid composition, Dietary sources, Functions, Methods of improving Quality of protein in food (special emphasis on Soya proteins and whey proteins).

UNIT-IV

MENU PLANNING: Planning of nutritionally balanced meals based upon the three Foods group system-Factors affecting meal planning, Critical evaluation of few Meals served at the

Institutes/Hotels based on the principle of meal planning. Calculation of nutritive value of dishes/meals.

Book References:

1. H David, 2015 *Manual of Nutritional Therapeutics*
2. D Carolyn, 2001 *Handbook of Nutrition & Food*

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	1	3	1	1	2	1	2	3	2	1
CO2	1	2	3	2	1	1	2	1	2	1	3	1	2	1	3
CO3	3	1	1	2	1	3	1	2	3	2	2	3	1	3	
CO4	1	2	3	1	3	1	3	1	3	-	1	1	3	1	3
Average	1.7	2	2.2	2	1.7	1.5	2.2	1.2	2.2	1.25	1.7	1.7	2.2	1.7	1.75

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Course Name: MARKETING MANAGEMENT

Course Code: CB100333

Semester: 6th

Credit-3

**L T P
3 0 0**

Course Outcomes: On Successful completion of this course, the Students will able to :

CO	Statement
CO1	Understand development of strategies and tactical marketing plans for different types of marketing processes and areas for an organization.
CO2	Learn marketing process relative to organizational goal
CO3	Understand the role of consumer as purchasers and users of goods and services using various theories of consumer behaviour.
CO4	Apply different marketing tools and strategies in the context of knowledge intensive markets and how to analyze and apply firm's strategies marketing designs in these markets.
CO5	Employ as promoter, promotional activities after deciding target markets, Market environment market research.

Course Content

UNIT-I

Nature and scope of marketing: corporate orientation towards marketplace; building and delivering customer value and satisfaction; retaining customers; Marketing Mix, marketing environment; marketing research and information system.

UNIT-II

Analyzing consumer markets and buyer behaviour; analyzing business markets and business buying behaviour; market segmentation, positioning and targeting; tools of product differentiation; marketing strategies in the different stage of the product life cycle; Retail Marketing Concept

UNIT-III

New product development process; product mix and product line decisions; branding and packaging decisions; pricing strategies and programmes; managing marketing channels; wholesaling and retailing.

UNIT-IV

Advertising and sales promotion; public relations; personal selling; evaluation and control of marketing effort; internet marketing; green marketing; reasons for and benefits of going international; entry strategies in international marketing.

Suggested Readings:

- Kotler Philip & Keller, 2016 *Marketing Management*, PHI, New Delhi
- Kerin, Hartley, Berkowitz and Rudelius, 1996 *Marketing*, TMH, New Delhi
- Etzel, Michael J, *Marketing: 2004 Concepts & Cases*, TMH, New Delhi

The mapping of PO/PSO/CO attainment is as follows:

PO/PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	3	1	2	3	1	2	1	3	1	1	2	3	1	2
CO2	2	2	1	3	2	2	1	2	2	2	3	1	1	2	3
CO3	3	1	2	1	2	3	1	2	1	3	2	3	1	2	1
CO4	2	3	2	1	3	1	3	-	3	2	1	1	2	1	1
CO5	2	3	1	2	3	1	2	1	1	2	2	1	-	2	3
Average	2	2.4	1.4	1.8	2.6	1.6	2	1.2	2	2	1.8	1.6	1.4	1.6	2

The correlation levels are: "1" – Low Correlation, "2" – Medium Correlation, "3" – High Correlation and "-" indicates there is no correlation.

Total Number of course	55
Number of Theory Course	37
Number of Practical Course	18
Total Number of Credits	158

Annexure-4

ACADEMIC INSTRUCTIONS

Attendance Requirements:

A student shall have to attend 75% of the scheduled periods in each course in a semester; otherwise he / she shall not be allowed to appear in that course in the University examination and shall be detained in the course(s). The University may condone attendance shortage in special circumstances (as specified by the Guru Kashi University authorities). A student detained in the course(s) would be allowed to appear in the subsequent university examination(s) only on having completed the attendance in the program, when the program is offered in a regular semester(s) or otherwise as per the rules.

Assessment of a course

Each course shall be assessed out of 100 marks. The distribution of these 100 marks is given in subsequent sub UNITS (as applicable).

Components	Internal (50)					External (50)	Total	
	Attendance	Assignment			MST 1	MST2		ETE
		A1	A2	A3				
Weightage	10	10	10	10	30	30	50	
Average Weightage	10	10				30	50	100

Passing Criteria

The students have to pass both in internal and external examinations. The minimum passing marks to clear in examination is 40% of the total marks.