

MAHATMA GANDHI UNIVERSITY

PRIYADARSHINI HILLS, KOTTAYAM – 686 560



**CHOICE BASED COURSE CREDIT SEMESTER
SYSTEM AND GRADING**

Scheme & Syllabi

For

**BACHELOR OF FASHION TECHNOLOGY
PROGRAMME**

2009

Acknowledgement:

As per Order No.AC AIII2585/AIII/ Acad. /2009 dated19.06.09 of the MG university, an expert committee in Bachelor of Fashion Technology was constituted with the task of implementing Choice Based Credit Semester System in the affiliated colleges from 2009 admission onwards. As instructed by the university, a five day workshop was convened including the expert committee members, teachers handling subjects and subject experts from universities outside Kerala. The members carefully examined the syllabi of various universities during the workshop and formulated an outline for the curriculum. The participants worked in groups on each specialization under the guidance of the subject experts. The views, ideas and suggestions of undergraduate students were also taken in to consideration during the implementation of CBCSS curriculum designing and updating processes.

I gratefully acknowledge, at this juncture, the unstained support and guidance extended by the expert committee members and all the teachers who cooperated most willingly for the successful completion of the work.

For the Expert Committee in BFT,

Kottayam
16-2-10

Prof. Manjulin Jacob
(Convener)

MAHATMA GANDHI UNIVERSITY KOTTAYAM

The members of the Expert Committee:

1. Smt. Manjulin Jacob, Assistant Professor, Dept of Home Science, Assumption College, Changanassery (**Convener, Expert Committee**)
2. Smt. Sonia Elizabeth Thomas, Assistant Professor, Dept. of Costume Design and Fashion, Bishop Appasamy College, Coimbatore.
3. Smt. Lekha Sreenivas, Lecturer, Dept. of Fashion Design, St. Teresa's College, Ernakulam.
4. Dr. Leena Leon, Assistant Professor, Dept of Home Science, St. Teresa's College, Ernakulam.

The teachers attended the Workshop:

1. Smt. Anu Anna Koshy, Lecturer, Dept. of Fashion Technology, Assumption College.
2. Smt. Tinu Maria Thomas, Lecturer, Dept. of Fashion Technology, Assumption College.
3. Smt. Rose Mary Ancel, Lecturer, Dept. of Fashion Technology, Assumption College.
4. Smt. Liz Thankom Mathew, Lecturer, Dept. of Fashion Technology, Assumption College.
5. Smt. Anna Mary Scaria, Lecturer, Dept. of Fashion Technology, Assumption College.
6. Smt. Supriya Nair, Lecturer, Dept. of Fashion Design, St. Teresa's College, Ernakulam.

MAHATMA GANDHI UNIVERSITY KOTTAYAM
PROGRAMME IN BACHELOR OF FASHION TECHNOLOGY
UNDER
COURSE-CREDIT-SEMESTER SYSTEM & GRADING
(2009 admissions onwards)

AIMS AND OBJECTIVES OF THE PROGRAMME

Aim:

BFT is a six semester full-time programme, which employs the best methods to equip the students with the tools and techniques balanced with theory in the modern fashion/textiles, which has today taken the shape of fashion industry.

India, which has always been a centre for the traditional textile and garment trade, has in the past decade become a centre of innovation in garment and fashion design. As one of the major players in the global apparel market, the need for professionals in the field of fashion is increasing tremendously in India.

This programme equips students to pursue a wide range of career prospects as designers in apparel manufacturing, merchandising, marketing management, quality assurance, production planning & control and product engineering. The course also tunes student's entrepreneurial skills to set up their own manufacturing units and export start-ups.

Objectives:

- To develop students' aesthetic, intellectual and technological abilities through programs that integrates theory and practice.
- To offers students a rigorous and innovative curriculum taught by faculty with outstanding academic and industry experience.
- To promotes students' growth and self-development through internships, guest lectures, industry-sponsored projects, and opportunities for experiential learning.

Eligibility:

- i) A pass in plus two or equivalent examinations recognized by the university, irrespective of the streams/subjects.
- ii) Applicants should appear for an entrance examination comprising of a) General aptitude test, b) Creative aptitude test and c) Comprehension in English conducted by the university.
- iii) The mark list will be drawn on the basis of the marks secured for the qualifying examinations and the entrance test at a ratio of 30:70 respectively.

Duration of the Course:

The BFT shall be a six semester full time programme extending to three academic year consisting of 90 working days of instruction through each semester.

Programme:

Bachelor of Fashion Technology programme- is grouped under the Model III-New Generation Courses.

Course structure:

The Bachelor of Fashion Technology programme must include (a) Common Course, (b) Core Courses,(c) complementary courses,(d) Open Courses,(e) Project and (f) Field work. The students shall select any Choice based course offered by the department which offers the core courses, depending on the availability of teachers and infrastructure facilities, in the institution. Open course shall be offered in any subject and the student shall have the option to do courses offered by other department/or by the same department.

Courses:

The programme gives ample weightage to English as a communication medium. Students must develop the basic skills in English through **Common courses (2)** in the first and second semester. The **core course** includes **Fashion Design& Technology (24 courses)** and the two Complementary courses **i. Textiles (5 courses) ii. Apparel Merchandising (5 Courses)**. The programme gives impetus to practical training throughout the semesters. The students get a better understanding on the related topics through the complementary courses of the entire semesters. They are required to do a fieldwork in the form of **Craft Documentation** during **the vacation time after II**

semester. The programme lays greater emphasis on interaction with the relevant industry in the form of an **Internship (Project) and a Knit Wear module** after the **IV semester.**

COURSE SUMMARY

COMMON COURSE

1. English I
2. English II

CORE COURSE: FASHION DESIGN & TECHNOLOGY

- 1 FTO1BACO1- Introduction to Fashion Art [P]
- 2 FTO1BACO2- Sewing Fundamentals [P]
- 3 FTO1BACO3- Surface Ornamentation [P]
- 4 FTO2BACO1- Elements of Fashion and Advanced Drawing [P]
- 5 FTO2BACO2- Garment Construction [P]
- 6 FTO2BACO3- Fundamentals of Pattern Making And grading [P]
- 7 FTO2BACO4- Elements of Design and its Application [T]
- 8 FTO3BACO1- Fashion Stylization and Designing [P]
- 9 FTO3BACO2- Advanced Garment Construction [P]
- 10 FTO3BACO3- Pattern Manipulation [P]
- 11 FTO3BACO4- Western Costume [T]
- 12 FTO3BACO5- World Art Appreciation [P]
- 13 FTO3BACO6- Draping [P]
- 14 FTO4BACO1- Advanced Fashion Illustration [P]
- 15 FTO4BACO2- Garment Assembling [P]
- 16 FTO4BACO3- Advanced Pattern Making and Grading [P]
- 17 FTO4BACO4- Computer Graphics [P]
- 18 FTO5BACO1- Theatre Costume Designing [P]
- 19 FTO5BACO2- **Choice Based Course [T] OR [P]**
- 20 FTO5BACO3- Kids Wear and Men's Wear [P]
- 21 FTO6BACO1- Final Collection [P]***
- 22 FTO6BACO2- Accessory Designing [P]
- 23 FTO6BACO3- Portfolio Making [P]****
- 24 FTO0BACO1- **Craft Documentation***

COMPLEMENTARY-I: TEXTILES

1. FTO1CACO1- Textile Science [T]
2. FTO2CACO1-Traditional Indian Textiles &History of Indian Art and Costume [T]
3. FTO5CACO1- Textile Design [P]
4. FTO5CACO2- Computer Aided Textile Designing (Vision Fashion Studio) [P]
5. FTO0CACO1- **Knit Wear Module [T]****

COMPLEMENTARY-II: APPAREL MERCHANDISING

- 1 FTO1CACO2- Introduction to Fashion Business[T]
- 2 FTO3CACO1- Fashion Marketing [T]
- 3 FTO4CACO1- Fundamentals of Apparel Production[T]
- 4 FTO4CACO2- Export Merchandising[T]
- 5 FTO0CACO2- **Internship [Project]****

OPEN COURSES

- 1 FTO5DACO1- Indian Embellishment Techniques [T]
- 2 FTO5DACO1- Fashion Psychology And Grooming [T]
- 3 FTO5DACO1- Fashion Fundamentals And Concepts [T]

CHOICE BASED COURSES

- 1 FTO5BACO2- Computer Aided Pattern Making And Grading[P]
- 2 FTO5BACO2- Apparel Machinery and Quality Control[T]
- 3 FTO5BACO2- Entrepreneurship Development& Management[T]

BACHELOR OF FASHION TECHNOLOGY PROGRAMME

SCHEME OF COURSES

Model III Fashion Technology Courses and its number are as the following:

Type of programme	Course	Number
Model III	Common	2
	Core + Complementary	32
	Choice based Course	1
	Open Course	1
	Project	1

Courses with credits:

The programme of Fashion Technology consist of common courses with 8 credits, core plus complementary courses with 102 credits, open course with 4 credits, choice based courses and project with 3 credits. Semester VI is almost wholly devoted to the preparation of the Final Collection and Portfolio Making. Since the students are engaged in this significant work which leads to the culmination of the whole programme, the Final Collection carries 6 credits as compared to 4 or 3 credits given to other courses in the entire programme.

Type of programme	Course	Credits	Total credits
Model III	Common	08	120
	Core + complementary	102	
	Open Course	04	
	Choice based Course	03	
	Project[1]	03	

Course Code:

Every course in the programme should be coded according to the following criteria. The first three letters of the code indicate the programme i.e. FTO for Fashion Technology. One digit to indicate the semester. i.e. FTO1 (Fashion Technology, 1st semester) or FTO0 for '0' hour courses. One letter from the type of courses such as, A for common course, BACO for core course, CACO for complementary course and DACO for open course. The last digit indicates course number of the semester. i.e. FTO1BACO1 (Fashion Technology 1st semester core course, course number 1)

BFT COURSES WITH HOURS PER WEEK AND DISTRIBUTION OF CREDITS

Sl.No	Title of the Course	Hr/week	Credits
1	English-I	5	4
2	FTO1BACO1- Introduction to Fashion Art [P]	4	3
3	FTO1BACO2- Sewing Fundamentals [P]	4	3
4	FTO1BACO3- Surface Ornamentation [P]	4	3
5	FTO1CACO1- Textile Science [T]	4	4
6	FTO1CACO2- Introduction to Fashion Business [T]	4	4
7	English-II	5	4
8	FTO2BACO1- Elements of Fashion and Advanced Drawing [P]	4	3
9	FTO2BACO2- Garment Construction [P]	4	3
10	FTO2BACO3- Fundamentals of Pattern Making [P]	4	3
11	FTO2BACO4- Elements of Design and its Application [T]	4	4
12	FTO2CACO1- Traditional Indian Textiles and History Of Indian Art and Costume[T]	4	4
13	FTO3BACO1- Fashion Stylization and Designing[P]	4	3
14	FTO3BACO2- Advanced Garment Construction [P]	4	3
15	FTO3BACO3- Pattern Manipulation [P]	4	3
16	FTO3BACO4- Western Costume[T]	3	3
17	FTO3BACO5- World Art Appreciation [P]	2	1
18	FTO3BACO6- Draping [P]	4	3
19	FTO3CACO1- Fashion Marketing [T]	4	4
20	FTO4BACO1- Advanced Fashion Illustration [P]	4	3
21	FTO4BACO2- Garment Assembling [P]	4	3
22	FTO4BACO3- Advanced Pattern Making and Grading [P]	5	3
23	FTO4BACO4- Computer Graphics [P]	4	3
24	FTO4CACO1- Fundamentals of Apparel Production [T]	4	4
25	FTO4CACO2- Export Merchandising [T]	4	4
26	FTO5BACO1- Theatre Costume Designing [P]	4	3
27	FTO5BACO2- Choice Based Course [T] or [P]	4	3
28	FTO5BACO3- Kids Wear and Men's Wear [P]	5	3
29	FTO5CACO1- Textile Design [P]	4	3
30	FTO5CACO2- Computer Aided Textile Designing [P]	4	3
31	FTO5DACO1- Open Course [T]	4	4
32	FTO6BACO1- Final Collection [P]***	17	6
33	FTO6BACO2 - Accessory Designing [P]	4	2
34	FTO6BACO3 - Portfolio Making [P]****	4	3
35	FTO0BACO1- Craft Documentation*	0	4
36	FTO0CACO1- Knit Wear Module**	0	1
37	FTO0CACO2- Internship (Project)**	0	3
Total		150	120

COURSE DETAILS

I. Zero Hour Courses

Zero hour courses are courses done during vacation and which therefore do not take up semester hours. There are three such courses in the programme (**Craft Documentation*** (after II semester) and **Knit wear Module and Internship** [project]** (after IV semester) A separate statement of grades will be issued on these courses along with the VI semester score card.

- **Craft Documentation***

All students shall do a field trip for a month during vacation time after second semester. The students are sent in groups of minimum five to a specific region and are required to study and document the traditional craft of that region. Each group have to derive and construct a collection of minimum 5 garments inspired from the craft in contemporary styling. The documentary and the collection of garments have to be presented before an internal jury during the III semester. This course will have only internal assessment based on viva-voce examination.

- **Knit Wear Module and Internship Project****

After the completion of the IV semester, the students are sent on a 1 week Knit wear module and a 40 days industry training programme (**Project**) for gaining substantial hands on experience in the apparel industry. The internship can be done individually or as a group of maximum 5 students. However the Viva on these are to be conducted individually. The report of the knit wear module and the project report of internship in duplicate should be submitted to the department and are to be produced before the external examiners during the oral examination in the VI semester.

II. Final Collection***

Each student will conceptualize and develop a collection of at least five ensembles in the VI semester, which demonstrate the student's creativity and understanding of the market. The collection will be displayed as a fashion show finale. A viva based on the collection of garments will be conducted at the end of the VI semester by an external examiner.

III. Portfolio Making****

The students have to document all their best presentable work done through all the semesters and those that portray the student's area of interest. The portfolio can be an effective means of communicating the capacities and capabilities of the students to anyone who seeks their skills and talent. A viva based on their presentation will be conducted at the end of the VI semester by an external examiner.

IV. Zero Credit Courses

Zero Credit courses shall be included in the programme to encourage advanced learners and shall be indicated in the score sheet. Permission for obtaining zero credit courses shall be in accordance with the rules and regulations of the university. The Zero Credit courses shall be done only under the supervision of a university approved permanent faculty member of the department which offers the core courses.

EXAMINATIONS

The evaluation of each course shall contain two parts such as internal or In-Semester Assessment (IA) and External or End-Semester Assessment (EA). The ratio between internal and external examinations shall be 1:3. The internal and external examinations shall be evaluated using Direct Grading system based on 5- point scale.

Internal or In-Semester Assessment (IA:)

Internal evaluation is to be done by continuous assessments on the following components. The components of the internal evaluation for theory and practical and their weights are as below.

Theory

Component	Weights
Attendance*	1
Assignment	1
Seminar/Viva-Voce	1
Best two test papers	2

***Attendance**

%age of attendance	Grade
≥ 90%	A
≥ 85 and < 90	B
≥ 80 and < 85	C
≥ 75 and < 80	D
< 75	E

Assignments:

The student has to take 1 assignment, 1 seminar/ Viva- voce per course. A minimum of two class tests are to be attended. The grades of best 2 tests are to be taken.

Different components for the evaluation of Assignment

Components	Weights
Punctuality	1
Review	1
Content	2
Conclusion	1
Reference	1

Different components for the evaluation of Seminar

Components	Weights
Innovation of topic	1
Review/Reference	1
Content	2
Conclusion	1
Presentation	2

Practical Internal:

Component	Weights
Attendance*	1
Laboratory involvement**	1
Test	2
Record/Neatness	2
Accuracy/Presentations	2
Total	8

Attendance* & Laboratory involvement**

Attendance*	Laboratory involvement**
Same as shown in theory internal	Punctuality +
	Handling Equipments +
	Skill in laboratory work+
	Group Interaction

Craft Documentation*

For craft documentation there is no external evaluation. The break up for internal evaluation of craft documentation is as follows.

Component	Weights
Presentation	2
Garment Construction	2
Record Books/Videos	3
Depth of Research	3
Total	10

Knit Wear Module**

The break up for internal evaluation of Knit wear module is as follows.

Component	Weights
Attendance	1
Test/Seminar	2
Total	3

Internship (Project)**

The break up for internal evaluation of internship is as follows.

Component	Weights
Attendance	1
Practical skill	2
Laboratory involvement	1
Total	4

Final Collection***

The break up for internal evaluation of final collection is as follows.

Component	Weights
Attendance	1
Designing	2
Pattern Making	2
Garment Construction	2
Term Submission	1
Total	8

Portfolio Making****

The break up for internal evaluation of portfolio making is as follows.

Component	Weights
Attendance	1
Punctuality	1
Design Assignment	4
Total	6

The evaluation of all components is to be published and is to be acknowledged by the candidate. All documents of internal assessments are to be kept in the institution for 2 years and shall be made available for verification by the university. The responsibility of evaluating the internal assessment is vested on the teacher(s) who teach the course.

External or End-Semester Assessment (EA:)

The external examination of all semesters shall be conducted by the university on the close of each semester. There will be no supplementary exams. For reappearance/ improvement as per university rules, students can appear along with the next batch.

Pattern of Questions & Weights of Theory Courses:

Questions shall be set to assess knowledge acquired, standard application of knowledge, application of knowledge in new situations, critical evaluation of knowledge and the ability to synthesize knowledge. The question setter shall ensure that questions covering all skills are set. He or she shall also submit a detailed scheme of evaluation along with the question paper.

A question paper shall be a judicious mix of objective type, short answer type, short essay type/problem solving type and long essay type questions. Different types of questions shall be given different weights to quantify their range.

1. The examinations has duration of 3hours.
2. Each question paper has four parts A, B, C and D.

3. Part a contains 16 objective type questions of which the candidate has to answer all. Each bunch of questions carries a weightage of 1.
4. Part B contains 8 short answer type questions spanning the entire syllabus and the candidate has to answer 5 questions. Each question carries a weightage of 1.
5. Part C contains 6 descriptive type questions spanning the entire syllabus and the candidate has to answer 4 questions. But for open courses, Part C contains short essay type questions only. Each question carries a weightage of 2.
6. Part D contains 3 essay type questions spanning the entire syllabus and the candidate has to answer 2 questions. Each question carries a weightage of 4.

Examinations (Practical):

The examinations for the practical core courses and complementary courses shall be conducted at the end of each semester by the external and internal examiners appointed by the university.

The Board of examiners constituted by the university shall have the freedom for formulating the scheme of evaluation of the concerned practical examination.

Student strength for Practical

There shall be at least one teacher to supervise a batch of not more than 15 students in each laboratory session.

Knit Wear Module **

The break up for external evaluation of Knit wear module is as follows.

Component	Weights
Record	2
Viva	2
Total	4

Internship (Project) **

The break up for external evaluation of internship is as follows.

Component	Weights
Project Report	4
Viva	2
Total	6

Final Collection***

The break up for external evaluation of final collection is as follows.

Component	Weights
Theme	2
Interpretation	7
Choice of fabric	5
Garment Construction	5
Presentation	5
Total	24

Portfolio Making****

The break up for external evaluation of portfolio making is as follows.

Component	Weights
Layout and Presentation	2
Design Assignments	6
Creativity	4
Total	12

Evaluation of practical examinations:

The Board of examiners constituted by the university shall have the freedom for formulating the scheme of evaluation of the concerned practical examination.

Student strength for Practical

There shall be at least one teacher to supervise a batch of not more than 15 students in each laboratory session

Final Grade Card:

The final Grade Card issued at the end of the final semester shall contain the CGPA of the Core courses and allied courses of the entire Programme. The CGPA shall contain the awarded GRADE LETTER and the corresponding GRADE POINT in two decimal places.

INFRASTRUCTURE REQUIREMENT FOR THE PROGRAMME

1. The Fashion Art Room with drawing table per student.
2. Theory Class rooms with Audio Visual aids like OHP/LCD/TV/DVD etc.
3. The Garment Construction Lab with
 - One Industrial single needle lock stitch machine per student.
 - Vacuum Suction ironing table and steam iron.
 - Industrial Five- Thread Over lock M/c.
 - Button Holing M/c.
4. The Pattern Making Lab with
 - One Dress form per student with size UK-12.
 - One Leg- form, men's form-2, kids form-2, dress form UK10-1& dress form Uk14-1
 - One Cork Topped Pattern making table per student.
5. Well- equipped Library & resource center with regular subscription of Indian & International fashion magazines.
6. Advanced Textile Designing software.
7. Advanced Pattern Making and Grading software.
8. Light Tables.
9. Dyeing/Printing Lab.

Semester wise distribution of Credits of different Courses, Contact hours, Exam Duration and Weightage ratio of Bachelor of Fashion Technology Programme

Semester	Title of the Course	Number of hours per week	Number of Credits	Total Credits	Total Hours/ semester	UTY Exam duration	Weightage ratio	
							IA	EA
1	English-I ENCNOI	5	4	4	90	3	1	3
	FTO1BACO1- Introduction to Fashion Art [P]	4	3	3	72	3	1	3
	FTO1BACO2-Sewing Fundamentals [P]	4	3	3	72	3	1	3
	FTO1BACO3-Surface Ornamentation [P]	4	3	3	72	4	1	3
	FTO1CACO1-Textile Science [T]	4	4	4	72	3	1	3
	FTO1CACO2- Introduction to Fashion Business [T]	4	4	4	72	3	1	3
Total		25		21				

Semester	Title of the Course	Number of hours per week	Number of Credits	Total Credits	Total Hours/ semester	UTY Exam duration	Weightage ratio	
							IA	EA
II	English-II ENCNO3	5	4	4	90	3	1	3
	FTO2BACO1-Elements of Fashion and Advanced Drawing [P]	4	3	3	72	4	1	3
	FTO2BACO2-Garment Construction [P]	4	3	3	72	4	1	3
	FTO2BACO3-Fundamentals of Pattern making [P]	4	3	3	72	3	1	3
	FTO2BACO4-Elements of Design and its Application [T]	4	4	4	72	3	1	3
	FTO2CACO1- Traditional Indian Textiles and History of Indian Art and Costume [T]	4	4	4	72	3	1	3
Total		25		21				

Semester	Title of the Course	Number of hours per week	Number of Credits	Total Credits	Total Hours/ semester	UTY Exam duration	Weightage ratio	
							IA	EA
III	FTO3BACO1-Fashion Stylization and Designing[P]	4	3	3	72	5	1	3
	FTO3BACO2-Advanced Garment Construction [P]	4	3	3	72	4	1	3
	FTO3BACO3-Pattern Manipulation[P]	4	3	3	72	4	1	3
	FTO3BACO4- Western Costume [T]	3	3	3	54	3	1	3
	FTO3BACO5-World Art Appreciation [P]	2	1	1	36	4	1	3
	FTO3BACO6–Draping [P]	4	3	3	72	5	1	3
	FTO3CACO1-Fashion Marketing [T]	4	4	4	72	3	1	3
Total		25		20				

Semester	Title of the Course	Number of hours per week	Number of Credits	Total Credits	Total Hours/ semester	UTY Exam duration	Weightage ratio	
							IA	EA
IV	FTO4BACO1–Advanced Fashion Illustration [P]	4	3	3	72	5	1	3
	FTO4BACO2-Garment Assembling [P]	4	3	3	72	5	1	3
	FTO4BACO3-Advanced Pattern Making and Grading [P]	5	3	3	90	4	1	3
	FTO4BACO4-Computer Graphics[P]	4	3	3	72	5	1	3
	FTO4CACO1-Fundamentals of Apparel Production[T]	4	4	4	72	3	1	3
	FTO4CACO2-Export Merchandising [T]	4	4	4	72	3	1	3
Total		25		20				

Semester	Title of the Course	Number of hours per week	Number of Credits	Total Credits	Total Hours/ semester	UTY Exam duration	Weightage ratio	
							IA	EA
V	FTO5BACO1- Theatre Costume Designing [P]	4	2	3	72	4	1	3
	FTO5BACO2- Choice Based Course	4	3	3	72	4	1	3
	FTO5BACO3- Kids Wear and Men's Wear [P]	5	3	3	90	5	1	3
	FTO5CACO1- Textile Design [P]	4	3	3	72	5	1	3
	FTO5CACO2- Computer Aided Textile Designing[P]	4	3	3	72	3	1	3
	FTO5DACO1- Open Course	4	4	4	72	3	1	3
Total		25		19				

Semester /Courses	Title of the Course	Number of hours per week	Number of Credits	Total Credits	Total Hours/ semester	University Exam duration	Weightage ratio	
							IA	EA
VI	FTO6BACO1- Final Collection [P]	17	6	6	306	Viva-Voce	1	3
	FTO6BACO2- Accessory Designing[P]	4	3	3	72	Viva-Voce	1	3
	FTO5BACO3- Portfolio Making [P]	4	2	2	72	Viva-Voce	1	3
Total		25		11				
'0' Hour Courses	FTO0BACO1- Craft Documentation*	0	4	4	One month During Vacation	Viva-Voce	Internal Assessment Only	Nil
	FTO0CACO1- Knit Wear Module *	0	1	1	One Week During Vacation	Viva-Voce	1	3
	FTO0CACO2- Internship(Project)*	0	3	3	40 days During Vacation	Viva-Voce	1	3

SEMESTER I

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO1BACO1- INTRODUCTION TO FASHION ART [P]

Credits-3 (Practical 4)

No.of Contact hours-72

Objectives

To introduce students to

- Basic sketching techniques.
- Aspects of human anatomy & importance of fashion illustration.
- Drawing a fashion figure or a croqui with proportion & body movements.
- Various poses required for fashion illustration.
- Various mediums for sketching and rendering life forms.

Contents

Module 1 10 hrs

- Different types of Lines-vertical, horizontal, diagonal, wavy, zig-zag, dotted, dashed, spiral etc.
- Free hand drawing techniques & related exercises.

Module II 14 hrs

- Two & three dimensional forms, its composition, perspective & Object shading.
- Still life drawings (about 50).
- Free hand practice of brush & pencil, introduction to poster paints, watercolors, staedlers, pastels, dry chalks & rotoring ink or indian ink.

Module III 12 hrs

- Stick figures & different body actions.
- Developing blocks for block figure.
- Brief idea about face block.

Module IV **14hrs**

- Basic 8 head croqui.
- Basic 10 head croqui.
- $\frac{3}{4}$ pose, side pose & back poses.

Module V **12 hrs**

- Face block
- Fashion frontal face-eyes, ears, nose, mouth & head.
- Croqui analysis-analyzing figures from fashion magazines & life.

Module VI **10 hrs**

- Lingerie drawings on fashion figures & its rendering.
- Step by step application of different mediums.

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Human figure, John .H.Vanderpoel Island, Printer C, Chicago Art students academy, Edmond. J.Farris, Dover publications, NewYork.
- Book of hundred Hands, George Brant, Bridgeman, Dover publications, New York.
- Human Machine-The Anatomical Structure & Mechanism of the Human Body, George Brant, Bridge man.
- Fashion Rendering with Colour- Bina Abling.
- Fashion Illustration basic techniques-Julian Seaman.
- Illustrations in Vogue.
- Fashion Illustration-Collin Barnes.
- Erte's Fashion Designs-218 illustrations from Harpers Bazaar.
- Foundation in Fashion Design & Illustration, Julian seaman, Chrysalis Books.
- Essential Fashion Design.
- Portfolios-Janet Boyes, Dullus.

SEMESTER I

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO1BACO2- SEWING FUNDAMENTALS [P]

Credits-3 (Practical 4)

No.of Contact hours-72)

Objectives:

- To introduce students to various Industrial Machineries.
- To acquire basic skills of operating industrial sewing machines.
- To understand basic sewing techniques.

Contents

Module I

23 hrs

- Introduction to Industrial Sewing machine – machine parts, terminology, safety rules, care and maintenance.
- Survey on different sewing machines.
- Industrial Machine practice – stitching on executive bond paper – parallel lines, broken lines, cornered lines and waves.
- Pressing Equipment – application, machine parts and terminology, safety rules, care and maintenance.
- Over lock Machine –its application.

Module II

20 hrs

- Study of different types of needles and threads. (Can be given as self study assignment to students).
- Threading the machine, setting the needle, adjusting stitch length regulator, thread tension, adjusting knee lift, presser foot and functions of all machine parts.
- Cutting muslin rectangles (10” X 12” size), Stitching practice on muslin – straight lines, broken lines, cornered lines and waves.

Module III **5 hrs**

- Basic hand stitches and their classifications :- (i) Temporary stitches: basting-even, uneven and diagonal. (ii) Permanent stitches: hemming, slip stitching, blanket, and fagoting.

Module IV **11 hrs**

- Different types of seams:- super imposed, lapped, bound, self enclosed-French seam, mock French, flat felled, self bound seam and decorative seams.
- Seam finishes- pinked seam, hand overcast, over locked, bias bound, edge stitch etc.

Module V **5 hrs**

- Hem Finishes: Hand hemming- visible and invisible hemming, decorative hem-piped, faced hem and ruffled hem.

Module VI **8 hrs**

- Introducing fullness: - Tucks -blind, spaced and pin tucks, Pleats - knife, box, inverted, pleat with separate underlay, gathering, shirring, Ruffles -straight and circular ruffle, and godets.

The Record should be submitted at the time of External Evaluation.

Suggested readings:

- Readers Digest, Guide to Sewing and Knitting.
- Sewing for the Apparel Industry – Claire Shaeffer, Prentice Hall.
- Garment Technology for Fashion Designers – Gerry Cooklin, Book Link, USA.
- Sewing for Fashion Design- Nurie Relis/Gail Strauss-Reston Publishing Co.

SEMESTER I

CORE COURSE - FASHION DESIGN AND TECHNOLOGY

FTO1BACO3 - SURFACE ORNAMENTATION [P]

Credits-3(Practical 4)

No.of Contact hours-72

Objectives

- To teach the basic hand embroidery techniques, surface designing and other ornamentation techniques.
- To introduce them to various traditional embroidery techniques of India.

Contents

Module I 4 hrs

- Embroidery-Embroidery tools and techniques, embroidery threads and their classification, selection of threads, needle and cloth, tracing techniques, ironing and finishing of embroidered articles.

Module II 25 hrs

- Basic Hand Embroidery, their technique, variations and applications. Basic and two variations of running stitch, back stitch, stem stitch, chain stitch, lazy daisy stitch, buttonhole stitch, feather stitch, herringbone stitch, knot stitch, satin stitch and cross stitch.

Module III 23 hrs

- Traditional Embroidery- Origin, application & colours. Kantha, Chikan, Kasuti, Zardosi (Four variations), Kutch and Mirror work (Two variations).

Module IV 20 hrs

- Special embellishment techniques: Batik - splash, t-janting, crackled, Tie and dye - lehariya, bandini, shibori, sunray and marbling, Block printing - vegetable block and wooden blocks, Applique (2 methods), quilting (2 methods), Smocking - Chinese smocking (2 methods), honey comb, gathered with embroidery, Fabric painting (4 methods), hand, Stencil-dabbing and spraying.

Term Submission:

- Embroidery folder which contains work of entire semester.
- Submission of one or two articles using embroidery or other surface embellishment technique.

(Any one option shall be selected)

Yoke-1, Dupatta- 1, Table Cloth -1, Bed Cover-1, Pillow cover or Cushion cover-2, Handkerchief-12, Kurta-1, Short top-1 or Saree-1.

The Record and the article should be submitted at the time of External Evaluation.

Suggested readings:

- Surface design for fabric, Richard M Proctor/Jennifer F Lew, University of Washington Press.
- Art of embroidery : History of style and technique, Lanto Synge, Woodridge
- The Timeless Embroidery, Helen M, David & Charles.
- Readers Digest, Complete guide to Sewing, 1993, Pleasant ville-Nu Gail L, Search Press Ltd.
- Barbara .S, Creative Art of Embroidery, London, Numbly Pub.group Ltd.
- Shailaja N, Traditional Ebroideries of India., Mumbai APH Publishing.

SEMESTER I
COMPLEMENTARY COURSE I - TEXTILES
FTO1CACO1- TEXTILE SCIENCE [T]

Credits-4(Theory 4)

No.of Contact hours-72

Objectives

- To gain knowledge about Textile fibres and their uses.
- To develop an understanding about various kinds of fabrics, their structure and the utility.
- To impart knowledge about Textile dyeing and printing.
- To develop skill in understanding textiles available in the market.

Contents

Module I **14 hrs**

- Introduction to Textiles and classification of fibres according to source – Natural and Man made.
- Identification and properties of Textile fibres- Cotton, Silk, Wool, Linen, Rayon (regenerated), Acetate, Polyester, Nylon and Acrylic.

Module II **10 hrs**

- Process of yarn formation – hand spinning, mechanical – ring spinning and modern- open end spinning.
- Yarn classification – blended and union fiber, simple and novelty yarns, characteristics, properties and uses of different yarn.

Module III **14 hrs**

- Method of fabric construction: Weaving-.Basic weaves- plain, satin, twill and their variations. Fancy weaves- pile, dobby, jacquard, extra warp and weft figure, leno, crepe and double cloth.
- Other method of fabric construction- knitting, braiding, lace and felt.
- Non woven fabrics and their applications.

Module IV

16 hrs

- Finishes- definition, importance to the consumer, classification according to durability and function. singeing , scouring, bleaching, mercerization calendaring, sizing, de-sizing, brushing, carbonizing, crabbing, fulling, heat setting, shearing, weighting, tentering, napping and emerizing.
- Special Finishes and Treatments- water repellent and water proof finishes, antistatic finish, anti-slip finish, flame retardant finishes, crease resistant finishes, durable press and shrink resistant finishes.
- Factory Finishing- checking for cloth defects, viewing, burling, darning, cropping, brushing and boiling.

Module V

13 hrs

- Dyeing- Stages of dyeing- fiber stage, yarn dyeing, fabric, cross, union dyeing and product stage. Method of dyeing- batch dyeing, reel dyeing, jig dyeing and package dyeing.
- Printing- Direct roller printing, block printing, duplex printing, discharge printing, screen printing- flat and rotary, resist, batik and tie-dye.

Related Experience

- Study of fabric count using a pick glass.
- Identification of fibres- cotton, wool, silk, rayon, polyester, acrylic and blends through visual, microscopic burning and chemical.
- Swatch folder- Collection of samples for fibres, yarns, weaves and finishes.

Suggested Readings:

- Fiber to fabric., B.T.Corbman, Mc.Graw Hill
- From fiber to fabrics, E.gale,Allman& Sons Ltd.
- Fiber Science and their selection., Wingate, Prentice hall
- Encyclopedia of textiles., Editors of American fabric magazine.
- Textiles., Hollen.N., Macmillan publishing company.
- The complete Technology Book on textile processing with Effluent Treatment., NIIR Board, Asia Pacific business Press Inc; Delhi.
- Murphy.W.S.,Textile Finishing, Abhishek Publications, Chandigarh.
- Seminar/ project/assignment on technical textiles and Textile trends.
- Eco-friendly textiles.

SEMESTER- 1

COMPLEMENTARY COURSE II-APPAREL MERCHANDISING

FTO1CACO2- INTRODUCTION TO FASHION BUSINESS [T]

Credits-4 (Theory 4)

No.of Contact hours-72

Objectives

- To introduce students to growth of fashion industry.
- To familiarize students with all major international and Indian Fashion designers and their styles of work.
- To create awareness amongst students about the domestic and export garment industries and the various career opportunities and diversification possibilities in the field of fashion.

Contents

Module I

12 hrs

- Purpose of clothing-protection, communication and decoration.
- Fashion Terminologies-accessories, advertising, alta moda, apparel, balance, boutique, classic, collection, CAD, CAM, CIM, consumer, couture, custom made, designer, fad, fashion, fashion retailing, grading, market, silhouette and texture.
- Fashion Cycles.
- Adoption Theories of fashion.

Module II

22 hrs

- Growth of Couture- Evolution of the international fashion industry, designers of the 20th century, factors leading to mass production of clothing and development of Ready to wear industry.
- Factors affecting fashion – effects of social, cultural, political, artistic, economic, global and technological changes on fashion. Industrial revolution, growth of middle class, growth of leisure activities, women at work, world war I, great depression, Hollywood influence on fashion, World war II, ethnic fashion, physical fitness, globalization , recession etc.

- Indian & international trendsetting fashion designers (To be covered as presentations by individual students).

Module III **18 hrs**

- Fashion Forecasting.
- Seasons of Fashion.
- Fashion services and resources.
- Design Sources.
- International Fashion centers.
- Fashion Markets.

Module IV **10 hrs**

- Fashion Advertising-kinds & medias of advertising.
- Special events-fashion shows, exhibitions, trade fairs.
- World Trade Organization, GATT, MFA, NAFTA.
- Demographic and psychographic trends.
- Consumer buying behavior.

Module V **10 hrs**

- Clothing categories in Men's wear, Women's wear & Kids wear.
- Fashion Accessories-footwear, handbags, belts, gloves, hats, scarves, hosiery, jewelry, watches (To be covered as presentations by student groups).

Suggested Readings

- Fashion From Concept To Consumer.,Gini Stephens Frings, Prentice Hall.
- A Century of Fashion., Francois Baudot, Thames & Hudson.
- Inside the Fashion Business.,Jeannette A. Jarrow.
- Fashion Buying., Helen Gowork.
- Fashion Kaleidoscope.,Mehr Castellino.
- Fashion Design and Product Development., Harold Carr, Blackwell.
- Science Inc Individuality in Clothing Selection and Personal Appearance-Fifth Edition.

SEMESTER II

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO2BACO1-ELEMENTS OF FASHION AND ADVANCED DRAWING [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objectives

- To strengthen the croqui & drawing skills.
- To familiarize students with various fashion poses required for fashion illustration.
- Give inputs in clothing details & terminology as a universal vocabulary for communication about garments.

Contents

Module I	25 hrs
<ul style="list-style-type: none">• Introduction to fashion details-various silhouettes.• Construction Details:-necklines,collars, sleeves, waists& hemlines, tops, skirts, pants, coats, dresses and lingerie/lounge wears.	
Module II	15 hrs
<ul style="list-style-type: none">• Different fashion poses, 3/4 face, side profile.	
module III	10 hrs
<ul style="list-style-type: none">• Various Hair styles & foot wear.	
Module IV	12 hrs
<ul style="list-style-type: none">• Art plates-collection of croqui /fashion plates	
Module V	10 hrs
<ul style="list-style-type: none">• Introduction to design development-Inspiration board, mood board, colour board and swatch board.	

The Record should be submitted at the time of External Evaluation.

Suggested Readings

- Figure drawing for fashion design-Elizabetta Drudi,Tiziana Paci,Fashion Source Book,
- Encyclopedia of fashion details-Patrick John Ireland.
- Fashion Sketching., Alferd.D. D'ortennzio, Delmer Publishers.
- Fashion Sketch Book, 4th edition 2004.,Beena Abling , NewYork.
- Fashion Sketch Book, 2nd edition 2004.,Beena Abling , NewYork..

SEMESTER II
CORE COURSE – FASHION DESIGN AND TECHNOLOGY
FTO2BACO2- GARMENT CONSTRUCTION [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objective

- To teach students the construction methods of different neck lines, sleeves, collars, cuffs and finishes.

Contents

Module I **16 hrs**

- Neck lines:-round and jewel, scoop, square and glass, ‘V’ shaped, straight and curved, scalloped, sweet heart, key hole, boat neck and asymmetrical.
- Neck line finishes:-shaped facing, corded or piped neck line, bias facing-single layer binding, double layer binding, banded neckline and placket bands.

Module II **18 hrs**

- Collars:-how to assemble a collar, Types of collars-flat collar, rolled collar, stand collar, tie collar, turtle neck collar, shirt collar, peter-pan collar, one piece convertible collar and shawl collar.

Module III **18 hrs**

- Sleeves:-sleeveless - with facing, set-in-sleeve, half sleeve, puff sleeve, flared sleeve, full sleeve, petal sleeve, leg-o-mutton sleeve, bishop sleeve, cap sleeve raglan sleeve and kimono sleeve.

Module IV **10 hrs**

- Sleeve finishes:-self hem, faced hem, double binding and casing.

Module V **10 hrs**

- Cuff application;-basic shirt cuff, French cuff and continuous cuff.

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Readers Digest, Guide to Sewing and Knitting.
- Sewing for the Apparel Industry., Claire Schaeffer, Prentice Hall.
- Garment Technology for Fashion Designers.,Gerry Cooklin, Book Link, USA.
- Sewing for Fashion Design.,Nurie.Relis/Gail Strauss-Reston Publishing Co.

SEMESTER II

CORE COURSE – FASHION DESIGN AND TECHNOLOGY FTO2BACO3- FUNDAMENTALS OF PATTERN MAKING [P]

Credits-3 (Practical- 4)

No.of contact hours-72

Objectives

- To familiarize students with tools and methodologies of pattern making.
- To understand the language of pattern making and develop the ability to create designs through the flat pattern method.
- To enable the students to draft basic bodice block, skirt block and sleeve block.

Contents

Module I 12 hrs

- Basic principles of flat pattern making – tools, industrial dress form, workroom terms and definitions.
- How to take body measurements.

Module II 25hrs

- Draft basic bodice blocks- front and back.
- How to test fit.
- One dart and two dart slopers.
- Variations of the basic bodice.

Module III 25 hrs

- Draft basic sleeve block
- Fitting sleeve into the armhole.
- Variations of the basic sleeve- set-in-sleeve, cap sleeve, puff sleeves & variations, circular sleeve, petal sleeve, lantern sleeve, leg-o-mutton sleeve, cowl sleeve, shirt sleeve, bishop sleeve, kimono sleeve, raglan sleeve and sleeve cuffs.

Module IV

10 hrs

- Draft basic skirt block – A-Line front and back.

The Record should be submitted at the time of External Evaluation.

Suggested Readings

- Pattern making for Fashion Design .,Armstrong & Joseph.H., Harper & Row Publications.
- Designing Apparel Through the Flat Pattern ., E. Rolfo Kopp & Zelin., Fairchild Publications.
- How to Draft Basic Patterns ., E. Rolfo Kopp & Zelin ., Fairchild Publications.
- New Fashion Areas for Designing Apparel Through the Flat Pattern., E. Rolfo Kopp & Zelin ., Fairchild Publications.
- Garmnet Technology for Fashion Designers ., Gerry Cooklin, Book Link.

SEMESTER II

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO2BACO4- ELEMENTS OF DESIGN AND ITS APPLICATION [T]

Credits-4 (Theory 4)

No.of contact hours-72

Objectives

- To familiarize students with the design elements and principles and its application in fashion designing.
- To induce an organized methodology in developing a successful collection / line of garments.

Contents

Module I

15 hrs

- Types of Design-structural and decorative.
- Design elements-form, shape, space, line, colour and texture.
- Principles of design-balance-formal, informal and radial, proportion, emphasis, rhythm and harmony.

Module II

20 hrs

- Functions of Lines.
- Silhouettes.
- Different types of lines & its characteristics.
- Use of line in clothing according to body shapes.
- Optical illusions created by various combination of lines.

Module III

27 hrs

- Colour theory- Prang colour system & Munsell.
- Colour wheel- primary, secondary and tertiary.
- Colour Dimensions-Hue, Value and Chroma.
- Colour harmony- Related & contrasting colour harmonies & its sub divisions.
- Application of colour in clothing.
- Seasonal colours.

Module IV

10 hrs

- Trimmings & Decorations.

Related Experiences

A creative Non textile Exhibition should be conducted in which the students are supposed to make a garment using the textures developed from the non textile materials.(E.g. wire, paper, clay ,metal, glass etc.)

OR

A project based on exploration of textures & design development.

Suggested Readings:

- Individuality.
- Elements of design and apparel design., Sumathy. G. New Age International Pvt. Ltd, 2002.
- Art and Fashion in Clothing Selection, M.C. Gimsely and Harriot. T., Nova State Uty. Press, New York.

SEMESTER II
COMPLEMENTARY COURSE I –TEXTILES
FTO2CACO1- TRADITIONAL INDIAN TEXTILES AND HISTORY OF
INDIAN ART AND COSTUME [T]

Credits-4 (Theory 4)

No.of contact hours-72

Objectives

- To study the different traditional textiles and their origin.
- To study costumes through the ages in relation to art, fabric, footwear, head dress & other accessories during different periods.

Traditional Indian Textiles

Module I 12 hrs

- History of Indian textile production.
- Techniques of textile decoration- brief study on traditional woven fabrics, dyed fabrics, printed fabrics and embroidered fabrics.

Module II 15 hrs

- Textiles of Western region- brocade weave, embroidery style, Mochi, Kutch work, appliqué, bead work, block Printing, screen Printing, Tie & Die-bhandini, laharia and patola.
- Textiles of Southern region- Ikats, Kalamkari, Kancheepuram silk, fabrics of Kerala, Karnataka, Goa and Banjara Embroidery.

Module III 15 hrs

- Textiles of Eastern region- Dacca sarees, Baluchar buttedar, and Kanthas.
- Textiles of Northern region- Brocades of Varanasi, phulkari, Kashmiri Embroidery, chemba Roomals, chikan work, block Printing, Himrus, Amrus, pithani, pitabar, carpet & shawl weaving.

History of Indian Art & Costumes

Module IV 15 hrs

- Costumes and accessories during-Indus valley, Vedic period, Mauryan & Sunga Period and Satavahana period

Module-V 15 hrs

- Costumes and accessories during-Kushan period, Guptha period, Mugal Period and British Period.

Suggested Readings:

- Indian Tie-Dyed Fabrics., Volume IV of Historic Textiles Of India., Merchant: Celunion Shop
- Traditional Indian Textiles., John Gillow/Nocholas Barnard, Thames & Hudson.
- Indian Costume, Coiffure And Ornament., Sachidhanand Sahay, Coronet Books.
- Fashion Styles of Ancient India, R O Mohapatra, B.R.Publishing Corporation.
- Costumes Of The Rulers Of Mewar, Pushpa Rani Mathur, South Asia Books.
- Costumes And Ornaments Of Chamba, K P Sharma/S M Sethi, Indus Publishing Co.
- Indian Costume, G S Ghurye, Popular Prakashan
- Textiles , Costumes And Ornaments Of The Western Himalaya. O. C Handa, Vedams ebooks, New Delhi.

SEMESTER III

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO3BACO1- FASHION STYLIZATION AND DESIGNING [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objectives

- Refining the student's illustration skills with special emphasis on developing a signature style of sketching by providing appropriate inputs through exposure to various artists styles of illustration.
- Introduction to various medium for stylization of croquis.
- To train students in color rendering in different media keeping fabric qualities.

Contents

Module I **14 hrs**

- Principles of draping garments on croquis

Module II **14 hrs**

- Stylization of croquis using different kinds of paper for different assignments

Module III **15 hrs**

- Stylization of croquis using different kinds of media for different assignments.

(Each student is encouraged to explore his/her own individual style of illustration)

Module IV **14 Hrs**

- Introducing color rendering for the following:
Solids, Prints, Checks, Stripes, Florals, Dots

Module V **15 hrs**

- Color rendering for the following fabrics:
Denim, Fabric with sheen-Satin, Napped fabrics-Velvet, Leather, Suede, Chiffon and Lace.

Suggested Readings:

- Illustrations in Vogue
- Fashion Illustration- Colin Barnes
- Portfolio Presentation for Fashion Designers- Linda Tain, Fair Child Books
- Foundation in Fashion Design and Illustration- Julian Seaman, Batsford
B.T. Ltd
- Fashion Rendering with color- Bina Abling

SEMESTER III

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO3BACO2- ADVANCED GARMENT CONSTRUCTION [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objectives

- To teach students various techniques and application of plackets, fasteners, zippers and pockets
- To enable students to learn the aspects of garment construction and to know the concept of garment making.

Contents

Module I 10 hrs

- **Plackets:** Inseam placket, Hemmed placket, Continuous placket, Bound placket, Face placket, Kurtha placket, Zipper placket

Module II 12 hrs

- **Fasteners:** Hooks and eyes-hand & metal, Press studs, Touch and close, Positioning buttons and button holes – hand made & bound button hole.

Module III 12 hrs

- **Fasteners:** Fly zipper, Centre standard zipper, Lapped zipper, Concealed zipper, .Open ended zipper.

Module IV 22 hrs

- **Pocket making and application of out side pockets :** Patch pocket -Unlined patch pocket, Curved patch pocket, Lined patch pocket, Patch pocket with separate flap, Patch pocket with self flap, Patch pocket with pleats, Pouched patch pocket.

Module V 16 hrs

- **Pocket making and application of inside pockets:** Inseam pocket-Hip pocket, Slashed pockets, Welt pocket, Welt pocket with separate flap, Welt pocket with flap, Bound pocket, Bound pocket with flap.

Record submission: submit above articles for external exam as a record

Suggested Readings:

- Reader's digest guide to sewing and knitting.
- Sewing for the apparel industry – Claire Shaeffer, Prentice hall.
- Garment technology for fashion designers, Gerry Cooklin, Book Link, USA.
- High fashion sewing secrets from the world's best designer's –Claire. B. Shaeffer, Rodale.

SEMESTER III

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO3BACO3- PATTERN MANIPULATION [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objective

- To teach the students more advanced methods of pattern making.

Contents

Module I 15 hrs

Darts

- Dart into – pleats, flares , gathers, tuck.
- Darts into style lines –classic and armhole princess line.
- Dart into fullness – blouson, yokes, pleat, tucks.

Module II 18 hrs

Skirts

- Skirt variations :- A- line flared skirt, Basic flared skirt, One dart skirt, added flare skirt, Flared skirt with gathered waist line, Gored skirt- 4 gore and 6 gore, Pegged skirt with pleats, Skirt with yoke. Circular skirts :- Full circle skirt, Warp skirt with side seam.

Module III 16 hrs

Pleats

- Types of pleats – knife pleats, box pleats , inverted pleats.
- Types of Godets – basic godet, any variations

Module IV 10 hrs

Collar

- Collar – Basic shirt collar. Flat collars: Peter pan, Sailor, Mandarin collar/ Chinese. Roll collar: Turtle neck.

Module V

13 hrs

Pants

- **Pants foundation : Culotte , Trouser. Design variations – pleated trouser, baggy pant, pant with flares, shorts- bermudas.**

Prepare a pattern for end semester garment.

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- **Designing apparel through the flat pattern: E. Rolfo Kopp,& Zelin, Fairchild publications.**
- **How to draft basic patterns: E. Rolfo Kopp,& Zelin, Fairchild publications.**
- **Patternmaking for fashion design : Armstrong, Helen Joseph, Harper& Row Publications.**
- **Garment technology for fashion designers: Gerry cooklin, Book link.**

SEMESTER III
CORE COURSE – FASHION DESIGN AND TECHNOLOGY
FTO3BACO4- WESTERN COSTUME [T]

Credits-3 (Theory- 3)

No. of contact hours-54

Objectives

- To help the students to trace the evolution of clothing, right from the obscure beginnings of the Paleolithic Age right to the modern age, with cross references in clothing between diverse civilizations in different centuries.
- To teach the students the creative use of research and inspirational library sources to co-ordinate the artwork in the development of current designs based on historic period.

Contents

Module I

10 hrs

- Beginning of costumes- Body decoration, Body ornamentation, Dress for Protection, Invention of the needle, Development of sewing, Development in spinning, Development in weaving, Discovery of natural fibers and development of garment styles
- Primitive and Aboriginal peoples-Dresses-Garments, Hair, Headdress, Footwear, Accessories, Jewelry, Typical colors, Typical materials & Make – up.

Module II

10 hrs

- Mesopotamian, Sumerian, Assyrian, Babylonian-Dresses-Garments, Hair, Accessories, Jewelry & Typical materials.
- Ancient Egyptian Costumes-Dresses-Garments, Typical materials, Headdresses, footwear, colors & ornaments.

Module III

10 hrs

- Ancient Greek-Dresses-Garments, Headdresses, Footwear's, Jewelry, Colors, Fans & shades & Typical materials used for the costumes.

- Ancient Roman-Dresses-Garments, Materials used, Typical colors, Hair dresses, footwear's, Jewelries & Accessories

Module IV

10 hrs

- Byzantine-Dresses-Garments, Headdress, Footwear, Typical colors, Materials Accessories & Jewelry.
- China & Japan-Dresses-Garments, Typical materials, Headdresses and footwear's.

Module V

14 hrs

- Europe in Middle ages (5th to 15th century)
- Renaissance- French costumes in Renaissance (1500-1700)
- Twentieth Century (1901-1940),(1940-1960),(1960-till present)

Project:

Students do an individual research study on any designer and a group study on each decade starting from 1930. This is presented on the last class. The objective is to familiarize the students with fashion in the 20th century with particular focus on designers and design houses, which influence global fashion today.

Suggested Readings:

- Fashion in the western world, Doreen Yarwood, Trafalger Square.
- A history of Fashion-Kenneth, Black and Garland.
- Western World Costume-An outline history-Carolyn G. Bradley, Dover Publications.
- Historic Costume-From Ancient Times to Renaissance-Dover Publications.
- A Pictorial History of Costume-Pepin Press.

SEMESTER III

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO3BACO5- WORLD ART APPRECIATION [P]

Credits-1 (Practical- 2)

No.of contact hours-36

Objectives

- To induce the students an appreciation of art through ages & its impact upon lifestyle & fashion.
- To create innovative paintings inspired by the characteristics of world art & application of art in fashion.

Contents

Module I

9 hrs

Ancient World

- Pre Historic art-Paleolithic age
- Egyptian art
- Greece & Roman-Classical Art.

Module II

9 hrs

Middle Ages

- Early Christian & Byzantine Art.
- Medieval European art-Gothic.
- Renaissance.

Module III

18 hrs

Modern Art

- Neo- Classicism & Romanticism
- Realism
- Impressionism
- Post impressionism
- Pointillism
- Cubism

- Surrealism
- pop art
- op art
- Abstract art
- Fauvism & Expressionism.
- Contemporary art.

Select a painting or a photograph of any object & render the same object according to the attributes (Rendering style, colour palette, concept & characteristics)of the above world arts.

Exhibition of the innovative paintings should be conducted at the end of the semester.

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- History of art(Sixth Edition) H.W,Janson /Anthony. F.Janson, Abrams.
- Gustav Klimt-One Hundred Drawings.
- Art of the Renaissance, Peter Murray, Thames & Hudson.

SEMESTER III

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO3BACO6 - DRAPING [P]

Credits-3 (Practical- 4)

No.of contact hours-72

Objectives

- To teach the basic principles of draping.
- To train the students eye to see proportion and design detail in relation to the human body.
- To interpret and analyze more complex drapes.

Contents

Module I	5 hrs
<ul style="list-style-type: none">• Introduction to draping and dress forms.• Preparation of fabrics.	
Module II	16 hrs
<ul style="list-style-type: none">• Basic bodice – marking and trueing• Bodice variations- surplice front, halter• Princess bodice and variation.	
Module III	15 hrs
<ul style="list-style-type: none">• Dart manipulation – underarm dart, French dart, double French dart and variations	
Module IV	15 hrs
<ul style="list-style-type: none">• Cowls – basic front and back cowl, butterfly twist.• Yokes and midriffs- bodices yoke, hip yoke, fitted midriff.	
Module V	15 hrs
<ul style="list-style-type: none">• Basic skirt and variations – flared skirt, peg skirt.• Princess dresses – joining skirt to the bodice.	
Module VI	6hrs
<ul style="list-style-type: none">• Design and construct a final garment applying draping method.	

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Draping for fashion design: Nurie Relis/ Hilde Jaffe, Reston publishing co.
- Designs cutting and draping for special occasion clothes : for evening wear and party
- Wear, Drawn Cloak, Chryssalis

SEMESTER III

COMPLEMENTARY COURSE – APPAREL MERCHANDISING

FTO3CACO1- FASHION MARKETING [T]

Credits-4 (Theory 4)

No.of contact hours-72

Objective

- To introduce students to aspects of Domestic Marketing & Retail Merchandising

Contents

Module I 15 hrs

- Retailing-Retail Strategies, Store based retailers, Retail organization Multiple unit stores, Types of ownership, Non store retailing

Module II 20 hrs

- Role of a fashion buyer, Fabric sourcing, Garment sourcing, Local sourcing, National sourcing & International sourcing. Range Planning

Module III 15 hrs

- Marketing- Functions of marketing, Marketing calendar, Marketing Mix- Product, Price ,Promotion & transportation, Strategy planning

Module IV 22 hrs

- Consumer Behavior, Costumer Profile Defining the consumer by: Sex, Age, Size, Season, Economic Status, Location and others
- Market research- Methods & data analysis
- Visual Merchandising-Store planning, Seasonal visual merchandising, Windows, Interior and exterior visual merchandising, Departments

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Fashion Buying-Helen Goworek, Blackwell Science
- Retail Buying-Jay Diamond, Gerald Pintel, Prentice Hall
- Fashion Theory-The journal of dress, Body and Culture and FIT.
- The Fashion Business-Theory, Practice, Image,-Nicole White, Ian Griffiths

SEMESTER IV

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO4BACO1- ADVANCED FASHION ILLUSTRATION [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objectives

- To teach the students to explore the components that form the cohesiveness of a collection as well as elements that introduce individual creativity & diversity.
- To familiarize the students to design on full figure croiques to detailed specification drawings with swatches, trimmings & stitch details on the basis of research & innovative experiment on fabric & function for any specialized apparel category.
- To enable the students to work outward from a point of focus or inspiration to develop a complete collection.

Contents

Module I	15 hrs
• Introduction to male figure, men's casual /formal wear, both for the export as well as domestic market.	
Module II	15 hrs
• Development of kid's figure, kid's play wear/school uniforms	
Module II	10 hrs
• Introduction to flat sketches	
Module II	12 hrs
• Women's wear designs (Formal, Casual & Ethnic with special emphasis on innovative surface ornamentation techniques.	
Module II	20 hrs
• Using an inspiration to conceptualize & design a collection.	

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Abling, Bina-Fashion Rendering with color
- Abling, Bina-Fashion Sketch Book-Third Edition.
- Fashion Design –Process, innovation & practice, Kathryn Mckelvey & Janine Munslow. Black well Publishing

SEMESTER IV
CORE COURSE – FASHION DESIGN AND TECHNOLOGY
FTO4BACO2- GARMENT ASSEMBLING [P]

Credits-3 (Practical 4)

No.of contact hours-72

Objectives

- To develop the skill of designing fashionable garments.
- To enables the student to execute complete garments.
- To teach various methods by which Indian garments are manufactured.

Contents

Module I	4 hrs
• An introduction to Layout marking, spreading, cutting the fabric and Finishing- trimming & ironing.	
Module II	8 hrs
• Assembling a shirt	
Module III	8 hrs
• Assembling a trouser	
Module III	20 hrs
• Assembling a jacket	
Module III	32 hrs
• Construction of Indian garments: Salwar Kurtha, Kalidhar Kurtha, Choli and Churidhar.	

Term Garment –Design and construct a variation of any one garment mentioned except jacket as an assignment.

**The Record and the article should be submitted at the time of
External Evaluation.**

Suggested Readings:

- Readers Digest, Guide to Sewing and Knitting.
- Sewing for the Apparel Industry – Claire Shaeffer, Prentice Hall.
- Garment Technology for Fashion Designers – Gerry Cooklin, Book Link, USA.
- Sewing for Fashion Design- Nurie Relis/Gail Strauss-Reston Publishing Co.

SEMESTER IV

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO4BACO3- ADVANCED PATTERN MAKING AND GRADING [P]

Credits-3 (Practical 5)

No. of contact hours-90

Objectives

- To provide more advanced and complex concepts to the pattern-making discipline.
- To enable the students to produce marker patterns for any garment.
- To make student proficient at grading the pattern to different sizes using nested grading.
- To each industrial methods of pattern grading.

Contents

Module- I 18 hrs

- Contour guide pattern, Basic Torso Foundation.
- Dress categories: The three basic dress foundation, Princess-line foundation, A- line princess, Panel dress Foundation, Empire Foundation, Tent Foundation, Over sized Dress.
- Jacket & coat foundation.

Module- II 18 hrs

- Hoods & capes : A- line cape foundation, Flared cape foundation, contoured Hood foundation, loose hood foundation, The classic Empire: Empire with shirred midriff, Surplice or warp design, off-shoulder designs, Halter.

Module-III 18 hrs

- Cowls: Front cowl-High relaxed cowl, Mid- Depth cowl, low cowl, deep cowl. Back cowl-High back cowl, mid back cowl, low back cowl

Prepare Pattern for end semester garment.

Section II-Grading

Module IV

16 hrs

- History of Grading, sizing survey of the market (Anthropometrical Research), body analysis, grading terminology.
- Principles of Grading, Introduction to Nested & Track grade, Grading Applications, Basic Bodice Grading-Back & Front.

Module V

20 hrs

- Grading the Basic sleeve, Grading the Basic collar, Grading skirts & Trousers.

Note : The above mentioned patterns should be done for 3 sizes up to 1 size down. Accuracy of pattern and neatness of execution are of great importance.

The Record and the End semester garment should be submitted at the time of External Evaluation.

Suggested Readings:

- Grading for the fashion Industry – Patrick.J.Taylor & Martin Shobhen, Neson Thomas
- Pattern Grading for women's clothes – Gerry cooklin, Black well science
- Pattern Grading for men's clothes – Gerry cookion, Black well science
- Pattern grading for children's clothes – Gerry cooklin, Black well science.

SEMESTER IV

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO4BACO4- COMPUTER GRAPHICS [P]

Credits-3 (Practical 4)

No. of contact hours-72

Objective

- To teach the students graphic software that can prove useful and essential for design needs.

Contents

Module I 16 hrs

Windows Office 2000

- **Microsoft Word**-Introduction to Microsoft Word, Familiarizing with Microsoft word -Typing , editing & designing the document.

Module II 16 hrs

- **Microsoft PowerPoint**-Working in Microsoft PowerPoint, Creating a presentation using Auto content wizard, Creating presentation using Design Template, Adding animation in slides

Module III 10 hrs

- **Learning the Internet**-Internet & its scope, Connecting to internet, Opening an Email account, sending & receiving Emails, Browsing the WWW

Module IV 26 hrs

- **Adobe Photoshop:** Getting started with Adobe Photoshop, working with adobe Photoshop to create Mood & Trend Presentation Boards, Creating textile patterns with Photoshop, Creating women's wear, kids wear & men's wear illustrations using pen tool, Creating invitation card, visiting cards and greeting cards.

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Photoshop 6 color, Randy Morgan/Jim Rich, New Riders Publishing.
- Fundamental Photoshop 5.5, Adele Droblas, Greenberg & Seth, Mcgraw Hill
- Adobe Photoshop 5.5 and Adobe Illustrator 8.0: Advanced classroom in a Book,
- Adobe Creative Team, Adobe press

SEMESTER IV

COMPLEMENTARY COURSE – APPAREL MERCHANDISING

FTO4CACO1- FUNDAMENTALS OF APPAREL PRODUCTION [T]

Credits-4 (Theory 4)

No.of contact hours-72

Objective

- To enable the students to familiarise with the functions and procedures within an apparel production unit.

Contents

Module I

10 hrs

The Clothing Industry

- History, growth and structure of the clothing industry
- Product categories, different sectors of the industry
- Infrastructure and profile of a clothing factory.

Module II

14 hrs

Pre-production sampling

- Importance of design in production (economical & uneconomical)
- Process involved in making a design sheet and development of a collection for each season.
- Development of fabric - Analysis of desk-loom and strike off.
- Sample analysis and approvals – Counter samples

Module III

14 hrs

Production process

- Fabric inspection and cutting room – inspection of fabric and its control, various methods of spreading fabric, use and importance of marker, understanding of pattern and methods of laying patterns, yardage control in cutting room, types of cutting machine.
- Types of fusing, operation of fusing machine, quality aspects in fusing.
- Method of bundling and ticketing.

Module IV **10 hrs**

Sewing room

- Machines – types, uses and application
- Use of attachments
- Sewing – stitch type, uses ,type and application
- Thread types

Module V **12 hrs**

Trims

- Details of various types of trims used (interlining, shoulder pads, buttons, thread, labels, hang tags, size disc, hanger, hook and bar, zippers, lining, pocketing), significance of each trim, sources
- Various techniques machine embroidery – satin stitch, chain stitch, eyelets, schiffli

Module VI **12 hrs**

- Finishing room
- Pressing equipment.
- Trimmings, packing, warehousing and shipping.
- Quality control – from fabric to warehousing stage.

Suggested Readings:

- Introduction to Clothing Manufacture – Gerry Cooklin, Blackwell Science.
- Inside Fashion Design – Sharon Lee, Tate, Prentice Hall.
- Apparel Manufacturing: Sewn product analysis, Ruth E Glock, Prentice hall.
- Fashion Apparel and Accessories – Jay Diamond, Delmar Thomson Learning.
- Stitch in Time: Learn Retailing & the Transformation of Manufacturing – Lessons. from the Apparel and Textile Industry, Frederich Albernathy, John T Dunlop, David Weil, Atticus Books.

SEMESTER IV

COMPLEMENTARY COURSE – APPAREL MERCHANDISING

FTO4CACO2- EXPORT MERCHANDISING [T]

Credits-4 (Theory 4)

No.of contact hours-72

Objectives

- To develop an understanding of the definition and role of the merchandiser, and merchandising department in the apparel industry.
- Understanding the potential and limitations of textile industry from a fashion designers point of view.
- Developing the expertise for appropriate selection of fabrics, trims and other materials keeping the design/style/market in perspective.

Contents

Module I

12 hrs

- Introduction to merchandising-definition and objectives of merchandising, role of a merchandiser, requirements of a merchandiser, responsibilities of a merchandiser
- communication skills-communication with buyer and coordination with different departments of a factory

Module II

15 hrs

- Organizational structure & functions of various departments of a manufacturer Export house
- Buying house-store owned buying house & independent buying house.
- An overview of textile industry
- Different sectors of Indian textile industry-mill sector/organized sector, power loom sector/semi organized sector, hand loom sector/unorganized sector /co-operatives

Module III **15 hrs**

- Forecasting and significance in product planning, sampling, specification sheet, order sheet, line development, lead time , line presentation, minimum length and width
- Costing-techniques of costing-forward costing and backward costing, cost control, cost sheet.

Module IV **15 hrs**

- Organizing the showroom, showroom vocabulary
- Eco friendly textiles and significance of green labelling
- Quality control of garments
- Care labelling of garments and its types.

Module V **15 hrs**

- Export, trade procedures & documentation.
- Mode of shipments.
- Transport documents.
- Made of payment-letter of credit & Bill of exchange.
- Globalization and its impacts on Indian textile industry.

Suggested Readings:

- Management Gurus and Management Fashions, Brad Jackson, Routedledge.
- Fashion Victims, Sophie Dunbar, Intrigue Press.
- Inside the Fashion Business, Jeanette Jarnow, Rizzoli International Publications
- Essential Fashion Design, Anet Boyes, Burch
- The Style Engine: Spectacle, Identity, Design and Business: How the Fashion Industry Uses Style to Create Wealth, Giannino Manacelli Press.
- Fashion Marketing, Micheal Easey, Thompson, Sharon, Willans, John, Blackwell Scientific Publications.
- Marketing Today's Fashion, carol Mueller, Similey, Eleanor Lewitt, Prentice Hall.

- The End of Fashion: How Marketing Changed the Clothing Business Forever, Teri Agins, Harper Collins.
- Fashion Merchandising & Marketing, Marian H. Jernigan, Easterling, & Cynthia R, Prentic Hall
- Fashion Design and product Development, Harold Carr, John Pomeroy, Blackwell science.
- Made in America : The Business of Apparel and Sewn Products Manufacturing, Gary, Pekarsky, Ulasewicz & Connie, Garmento Speak.
- Rags and Riches :Implementing Apparel Quotas Under the Multi-Fiber Arrangement, Kala Krishna, University of Michigan Press.
- The Fashion Business: Theory, Practice, Image, Nicola White Berg.

SEMESTER V

CORE COURSE – FASHION DESIGN AND TECHNOLOGY

FTO5BACO1- THEATRE COSTUME DESIGNING [P]

Credits-3 (Practical 4)

No. of contact hours-72

Objectives

- To enable the students to take up costume for the movie, theater and advertisement industry.
- Prominent costume designers from the movie and theatre industry are invited for providing training for the students.

Contents

Module I 15 hrs

- Introduction to evolution of theater costume with examples of Greek Theatre costume.

Module II 15 hrs

- Study of selected theatre costumes around the world- Greek, Roman, India, Egyptian, Elizabethan Theatre, Halian Theatre, Chinese Theatre, 19th Century Theatre, Japanese Theater.

Module III 16 hrs

- Sketch and colour: Costume, Mask, Footwear's, Accessories and Jewelry of the following theatres. Greek, Egypt, Roman, China, Japanese and 19th century. (One Each)

Module III 10 hrs

- The difference in theater costume from that of everyday costume/ Fashion costume.

Module III 16 hrs

- Study and preparation of any one variety of theatre costume based on Movie or book.

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- The complete History of costume and Fashion: from ancient Egypt to the present Day, Bronowyn cosgrave, Facts on file.
- Fashion in Film, Regine Engel Meier, Peter.W Barbara Einzing, Prestel publishing.
- Stage costume: Step – By Step: The complete guide to designing and making stage.
- Costumes for all major drama periods and Geness from Cl, Mary.T.Kidd, F&W Publications.

SEMESTER V

CHOICE BASED COURSE- 1 – FASHION DESIGN AND TECHNOLOGY FTO5BACO2- COMPUTER AIDED PATTERN MAKING AND GRADING [P]

Credits-3 (Practical 4)

No: of contact hours - 72

Objective

- To teach the students basics of computerized pattern making and grading which is useful in industrial garment production.

Contents

Module I **10 hrs**

- Introduction to computerized pattern making and grading.

Module II **18 hrs**

- Pattern Preparation – The Basic Pattern Set
 1. Basic Front Bodice
 2. Basic Back Bodice
 3. Basic Sleeve
 4. Basic Front Skirt
 5. Basic Back Skirt

Module III **18 hrs**

- Pattern Preparation – Garments
 1. Bib
 2. A-Line Frock
 3. T-Shirt

Module IV **26 hrs**

- Pattern Grading
 1. Basic Front Bodice
 2. Basic Back Bodice
 3. Basic Sleeve
 4. Basic Front Skirt
 5. Basic Back Skirt

The Record should be submitted at the time of External Evaluation.

Suggested Readings:

- Computer-aided Pattern Design and Product Development, Alison Beazley and Terry Bond, Blackwell publishing Ltd.www.blackwellpublishing.com
- The comparison of the Manuel and CAD systems for pattern making grading and marker making processes, Ziyet Ondogan, Celin Erdogan, 35100 Bomova-Iznar, Turkey.
- GOYMAR/Computer aided pattern Making- Gerber Technology.
- Telestia Creator Pattern Grading CAD software.
- Assyst-Bullmers software for patter making, grading and marker maker.
- Fashion CAD-Accurate pattern making software for perfect fitting garments.
- TUKCAD, pattern making software for Fashion design.
- Reach CAD software.

SEMESTER V

CHOICE BASED COURSE-2 – FASHION DESIGN AND TECHNOLOGY

FTO5BACO2 - APPAREL MACHINERY AND QUALITY CONTROL [T]

Credits-3 (Theory- 4)

Teaching hours-72

Objectives

- To develop an understanding of the definition latest technological developments in the apparel industry.
- Understanding the quality control parameters of apparel industry.

Contents

Module I 10 hrs

- Introduction to quality -Key aspects of quality system, objectives of a quality system, Total Quality Management, Role of ISO in quality assurance.

Module II 20 hrs

- Quality control:- principles of quality control -SQC, Quality department, Quality audit, quality monitor, Quality circles, Quality control for exports, operation of quality control systems, design, Standard, levels of standard. Functions of Quality Assurance department, quality check and final inspection, methods of checking, and consignment at final inspection and measurement tolerances in garments.

Module III 15 hrs

- Introduction to Apparel testing and quality control:-
- Apparel testing equipments- GSM, Tensile tester, Bursting strength tester, Tear strength tester, fabric stiffness tester, crock meter, colour matching cabinet.

Module IV 15 hrs

- Quality parameters – (Defects found in yarns, greige fabric, dyeing, printing, bleaching, shearing, mercerization...)

- Components of quality parameters- (Placket, Collar, pocket, vent, Label attachment)
- Terminologies- C.M.T, Defect, Minor Defect, Major Defect, Critical Defect, AQL, 4
- points system, DIA, G.S.M, Shrinkage, Breaking strength, Color bleeding,
- Puckering, Pilling. Pilling resistance, Grain seam, batching up, Color smear, patches

Module V

12 hrs

- Technological advancements: -Introduction to CAD & CAM systems, - Computer controlled fabric checking machine & laying machines, advanced cutting machines, water jet cutting machines, air jet cutting machines and laser cutting machines, computer controlled sewing machines, advanced embroidery & sequence fixing machines.

Suggested Readings:

- Quality assurance for Textile and Apparel, Sara J.Kadolf, Fairchild publication.
- Introduction to clothing Manufacture, Gerry Cooklin. Blackwell science.
- Quality control in apparel manufacturing, Dr.Bharadwaj.
- Juran' quality control hand book.

SEMESTER V

CHOICE BASED COURSE-3 – FASHION DESIGN AND TECHNOLOGY FTO5BACO2-ENTREPRENEURSHIP DEVELOPMENT& MANAGEMENT [T]

Credits-3 (Theory- 4)

Teaching hours-72

Objectives

- To enable the students to develop entrepreneurial aptitude.
- Analyze the environment related to small scale industry and business.
- Understand the process and procedures of setting up small enterprises.
- Develop Management skills for entrepreneurship development.

Contents

Module I

8 hrs

- Entrepreneurship - Entrepreneur, Enterprise and Entrepreneurship - meaning, need, transition from income generation to self employment and entrepreneurship, qualities of a good entrepreneur, problems of entrepreneurs.

Module II

6 hrs

- Factors influencing entrepreneurial development - Economic, Legal, Socioeconomic, Psychological and Environmental factors.

Module III

15hrs

- Agencies supporting entrepreneurial development programme - SIDC, SSI, SIDECO, DIC, SIDO IDBI, KITCO, EDII and. TIIC.
- Schemes for assistance- current schemes and programme for individual and group support.

Module IV

15 hrs

- Small scale industries:- Definition, types, procedure for setting a small scale unit, training facilities for small scale units, problems of small scale units, steps to overcome problems.
- 6 M's of an industry-Management, money, manpower, materials, machines and marketing

Module V **8 hrs**

- Project identification and classification - Meaning of Projects, Project identification, Project Classification, internal and external constraints, Project objectives. Elements of project formulation.

Module VI **6 hrs**

- Project proposal - Proposal format and content - steps in its preparation, feasibility, testing, SWOT analysis.

Module VII **14 hrs**

- Organisation and Management:-Definition and types of organization, Definition, Functions and tools of management, techniques of effective management, energy and time management and its application in garment units

Related Experience:

- Visit to SIDCO, DIC or TIIC.
- Case study of an enterprise and two entrepreneurs.
- Preparation of a project proposal for funding.

Suggested Readings:

- Gupta C.B, and Srinivasan N.P, Entrepreneurship development in India, Sultan Chand & Sons, New Delhi, 2004.
- Chunawalla S.A, Sales Management, Himalayan Publishing House, New Delhi, 1991.
- Vasant Desai, Project Management and entrepreneurship, Himalaya Publishing House, New Delhi, (2000).
- David H.Moll, Entrepreneurship, Prentice Hall of India, New Delhi, 1999.
- Frank Jerkins, Advertising, Prentice Hall of India, New India, 2000.

SEMESTER V

CORE COURSE - FASHION DESIGN AND TECHNOLOGY

FTO5BACO3 – KID’S WEAR AND MEN’S WEAR [P]

Credits-3 (Practical 5)

No: of contact hours – 90

Objectives

- To teach the students basic fundamentals of kid’s wear and men’s wear
- The students are required to make a collection of any 3 garments in kid’s and men’s wear and make a presentation of it. And construct one complete garment for each
- To enable students to do the proper layout of paper drafts on the fabric and to make maximum usage of fabric with minimum wastage.

Contents

Module I

36 hrs

1. Pattern making for kid’s wears

a. Boys and girls block

- i. Flat body block
- ii. Flat shirt block
- iii. Flat sleeveless block
- iv. Flat over garment block
- v. Tee shirt and knitwear block
- vi. Flat trouser block
- vii. Flat pyjama block
- viii. Skirt block
- ix. Classic dress block

Module II

2. Pattern making for men’s wear.

b. Men’s block

30 hrs

- i. Basic over garment block
- ii. Basic one piece sleeve block
- iii. Classic shirt block

- iv. Casual shirt block
- v. Trouser blocks-one piece, two piece
- vi. Tee shirt & jersey fabric block
- vii. Pyjama block-jacket, trouser

Module III

- 3. Construction of one stylized kid's wear and men's wear according to recent trends
 - i. Pattern alteration (kid's wear and men's wear) **12hrs**
 - ii. Garment construction (kid's wear and men's wear) **12 hrs**

Submit above articles during external evaluation along with the record.

Suggested Readings:

- 'Creative sewing' – E. Olive pounds.
- Golla D.A. and Bark B. 'How to draft basic pattern' USA.Fairchild, 1979.
- Hayden P 'The Complete Dress Makers' Marshall Cavendish London (1976)
- Picker M.B. 'Singer Sewing Book', Singer Sewing Machine Co., 1949.
- Lewis S.D. etal. 'Clothing Construction & Wardrobe Planning', Macmillan Co. New York.
- Gut's M. 'Sewing A to Z' Mills and Boon Ltd., London 1972.
- Daksha R. 'Dacha's 'Handbook for Dress Making and Tailoring' First edition, 2004.
- Goulbown M. 'Introducing Fashion Cutting Grading and Modeling', Bats ford Pub.UK.
- Metric pattern cutting for children's wear and baby wear, 3rd edition, Winifred Aldrich, Blackwell publishing, UK
- Metric pattern cutting for men's wear, 3rd edition, Winifred Aldrich, Blackwell publishing, UK

SEMESTER V
COMPLIMENTARY COURSE- TEXTILE SCIENCE
FTO5CACO1- TEXTILE DESIGN (P)

Credits – 3 (Practical-4)

No. of contact hours – 72

Objectives

- To develop originality and creative design sensibilities.
- To teach the students to develop commercially successful textile products.

Contents

Module I	12 hrs
• Learning motifs, layouts and styles.	
Module II	16 hrs
• Exploring designs from nature, geometry, floral, marine, juvenile, paisley, contemporary, conversational, Provencal and botanical themes.	
Module III	16 hrs
• Techniques of repeats- straight, box, half drop, five star and random.	
• Color chart preparation.	
Module IV	16 hrs
• Theme based textile designing for- kids, women's and men's.	
Module V	12 hrs
• Color combinations and color ways.	
• Presentation of designs.	

Submit a record in the time of external evaluation.

Suggested Readings:

- TEXTILES-A Hand Book For Textile Designers, Mary Paul Yates. W.W.Norton & Co. African Printed Textile Designs, Diana .V. Horne, Stemmer House. International Textile Design, Mary Schoeser, John Wiley & Sons.

- DuPont- Auberville, A. Full-Color Historic Textile Designs. New York: Dover Publications, 1995.
- The Textile design Book, Karin Jerstropand Eva kohlmark.

SEMESTER V

COMPLIMENTARY COURSE- TEXTILE SCIENCE

FTO5CACO2- COMPUTER AIDED TEXTILE DESIGNING (P)

Credits – 3 (Practical-4)

No. Of contact hours – 72

Objective

- To teach the students the use of advanced computer aided textile designing and presentation software's.

Contents

Module I	12 hrs
• Motif design, color reduction and cleaning.	
Module II	16 hrs
• Manipulation of motifs to layouts and patterns.	
• Creating designs-traditional, floral, conversational and abstract.	
Module III	16 hrs
• Horizontal stripes, vertical stripes and plaids.	
• One-way, two-way, half-drop and tossed lay outs.	
Module IV	16 hrs
• Dobby designing – Stripes, Checks, twills, satins and diamond weaves.	
Module V	12 hrs
• Color combinations and color ways.	
• Presentation of designs.	

Submit a record in the time of external evaluation.

Suggested Readings:

- CAD for Fashion Design, Renee Weiss Chase, Prentice Hall
- CAD in Clothing and Textiles : A collection of Expert Views , Winifred Aldrich, Blackwell Science
- Photoshop 6 color, randy Morgan/Jim Rich, New Riders Publishing.

Fashion Technology Programme, Mahatma Gandhi University

- Fundamentals of Photoshop 5.5, Adele Droblas, Greenberg & Seth, McGraw Hill
- Adobe Photoshop 5.5 and Adobe Illustrator 8.0: Advanced classroom in a Book,
- Adobe Creative Team, Adobe press

SEMESTER V

OPEN COURSE-1 – FASHION DESIGN AND TECHNOLOGY

FTO5DACO1- INDIAN EMBELLISHMENT TECHNIQUES [T]

Credits-4(theory 4)

No.of contact hours-72

Objectives

- To study the different traditional textiles and their origin.
- To impart knowledge on various Indian fabric embellishment techniques

Contents

Module I 12 hrs

- History of Indian textile production.
- Techniques of textile decoration-Brief study on traditional Woven fabrics, Dyed fabrics, Printed fabrics, Painted fabrics and Embroidered fabrics.

Module II 23 hrs

- Traditional Indian embroidery – origin application & colors-Kantha, Chikan, Kutch & mirror work, Kasuti, Zardosi and Bead work

Module III 15 hrs

- Printing & Paintind techniques: –origin and applications-Block printing, Kalamkari and Patachitra.

Module IV 22 hrs

- Dyeing and weaving techniques:-Ikats, Patola, Bhandini, Laharia, Shibori, Brocade weave and Carpet weaving.

Submit a record in the time of external evaluation.

Suggested Readings:

- Indian Tie-Dyed Fabrics, Volume IV of Historic Textiles Of India. Merchant: Celunion Shop
- Indian Tie-Dyed Fabrics., Volume IV of Historic Textiles Of India., Merchant: Celunion Shop
- Traditional Indian Textiles., John Gillow/Nocholas Barnard, Thames & Hudson.

SEMESTER V

OPEN COURSE-2– FASHION DESIGN AND TECHNOLOGY

FTO5DACO1- FASHION PSYCHOLOGY AND GROOMING

Credits-4(theory 4)

No.of contact hours-72

Objectives

To enable students to:

- Understand the trends in Clothing behavior
- Gain an insight on the planning process involved in Clothing selection.

Contents

Module I 10 hrs

Introduction to Clothing

- Understanding clothing, Purpose of clothing :- protection, modesty, attraction etc.

Module II 10 hrs

- i] Clothing Values, Clothing Culture, men and women clothing and ornamentation, groups, Role and status of clothing.
- ii] Clothing according to climatic conditions,- Artic region- African, Asia and Arabs etc.

Module III 12 hrs

- Modern Clothing-Youth style and fashion, teddy boy, skins modes, hippies, punks, taste of youth and their life style.
- Ancient to modern clothing, unisex, fit women, glamorous woman. Casual and formal clothing. Fashion for all, ready to wear fashion, mass marketing of fashion.

Module IV 10 hrs

- Selection of clothes:-Clothes for children, middle age, adults, Types of clothes according to human figure ,Different materials for different clothes. Colors suitable for different garments. Kids to teenage clothing.

Module V **10 hrs**

- Planning for clothing needs, Clothes for school, Clothes for parties, Clothes for sports, Clothes for resting

Module VI **8 hrs**

- Wardrobe Planning

Module VII **12 hrs**

- Social and Psychological Aspects of Fashion

Suggested Readings:

- Black A.J. (1985) , ‘ A History of Fashion’ ,USA Orbits Publishing Ltd.
- Rouse E. (1989), ‘Understanding Fashion’ ,UK, Blackwell Science.
- Wilcox T. ‘The Dictionary of Costume’,UK,- Bats ford Ltd.
- Ashelford J. ‘The Art of Dress Clothes and Society’, ISBN 1500-1914, Amazon- com.
- Beth Quinlan etal, ‘Clothing – An Introductory College Course’, Columbia
- Ed. By Benjamin R. Teaching College Columbia University.

SEMESTER V

OPEN COURSE-3 – FASHION DESIGN AND TECHNOLOGY

FTO5DACO1- FASHION FUNDAMENTALS AND CONCEPTS [T]

Credits-4(theory 4)

No.of contact hours-72

Objectives

To enable students to:

- Understand the fundamental design concepts, terminologies, elements and principle of design.
- Understand the various figure type and colour psychologies.

Contents

Module I

7 hrs

- Introduction to fashion Designing- Its scope and importance, principles of fashion
- Fashion design terms-style, basic or classics, fad, fashion forecasting, trends, Chic, Costume made, Collection, Mannequins, Fashion shows and Fashion cycle.

Module II

Elements of design

16 hrs

- Lines: straight lines and its types, curved lines and its types. shape, Colour: hue, intensity, value, Shape, silhouette: normal, bell, ruffle etc. and Texture.

Module III

Principles of design

12 hrs

- Balance, Harmony, Scale or proportion, Rhythm and Emphasis.

Module VI

12 hrs

- Explanation of the basic croquie with its various parts and measurements (8 head and 10 head croquie)

Module VI

Study of Figures **12 hrs**

- Figure types:- Average Figures-Slim, Rectangular, Triangular, Wedge and Hourglass, Deformed figures - tall and thin, short and stout, stooping figures, erect figures, corpulent figures

Module IV

Trimmings and Decorations **5 hrs**

- Fabric bows, Tassels, Fringes, Ric-rac , Appliqués and Laces

Module V

Essentials in Dress Design **8 hrs**

- Choice of material, choice of colour, design or structure and decoration.

Suggested Readings:

- Helan L.B., The Theory of fashion Design.
- Neims I.B., Fashion and clothing technology.
- Carso B.,How to look and dress.
- Rouse E. (1989), 'Understanding Fashion',UK, Blackwell Science.
- Wilcox T. 'The Dictionary of Costume.',UK,- Bats ford Ltd.

SEMESTER VI
CORE COURSE – FASHION DESIGN AND TECHNOLOGY
FTO6BAC01- FINAL COLLECTION [P]

Credits – 6 (Practical-17)

No. Of contact hours – 306

Objectives

- To develop creative designing sensibilities among students for developing ensembles through thematic presentations and interpretations.
- To introduce the students as fashion designers.

Presentation and Evaluation

- Each student will conceptualize and develop a collection of at least five ensembles which demonstrate the student creativity and understanding of the market.
- The collection will be displayed as a fashion show finale.

Submit a record based on the theme and interpretation of the collection at the time of external evaluation.

SEMESTER VI
CORE COURSE – FASHION DESIGN AND TECHNOLOGY
FTO6BACO2- ACCESSORY DESIGNING [P]

Credits –3 (Practical-4)

No. Of contact hours – 72

Objective

- To teach the students the art of accessory designing so that they can complement their garment designs with appropriate accessories.

Contents

Module I	14 hrs
<ul style="list-style-type: none">• An introduction to jewellery making:-.• Various types of jewellery, materials used for making jewellery, metals and stones,• Types of jewellery-neck lace, earrings, rings, hair ornaments.	
Module II	16 hrs
<ul style="list-style-type: none">• History of jewellery:-• Egypt, Sumerians, Greek, Rome and Indian jewellery.• Design jewelleryes on the basis of historical influences of Egypt, Sumerians , Greek and Rome.• Design jewelleryes on the basis of Indian historical influences.	
Module III	16 hrs
<ul style="list-style-type: none">• Designing of jewellery on the basis of a selective theme:-• traditional style jewellery, ethnic style jewellery, contemporary style jewellery, fusion of any above styles.	
Module IV	14 hrs
<ul style="list-style-type: none">• Material exploration- Develop a set of jewellery with any material and a set of eco friendly material.	

Module V

12 hrs

- Accessories: - Designing of accessories- hats, belts, bags, footwear's and hair accessories.
- Material exploration- Develop any accessory from the above mentioned items.

Submit the above articles during external evaluation along with the record.

Suggested Readings:

- History of Jewellery 1100-1870, Joan Evans, Faber.
- Ancient Jewellery (Interpreting the Past series), Jack Ogden, University of California Press.
- Five centuries of Jewellery: From the collection of Ancient Art Museum, Lisbon, Leornor D'Orey, Scala Books.
- A Collector's guide to Costume Jewellery, Tracy Tolkien & Henrietta Wilkinson, Firefly Books.
- Accessories, Kim Johnson Gross, Jeff Stone, Thames & Hudson, Jewelry from Antiquity to the Present, Clare Philips, Thames and Hudson.

SEMESTER VI
CORE COURSE - FASHION DESIGN AND TECHNOLOGY
FTO6BACO3 - PORTFOLIO MAKING [P]

Credits –3 (Practical- 4)

No. of contact hours – 72

Objectives

The students document all their presentable work done through all semesters and those that portray the student's areas of interest. The portfolio can be an effective means of communicating the capacities and capabilities of the students to anyone who seeks their skills and talents.

Presentation & Evaluation

- The portfolio would be done using the art software's of which the student have undergone training.
- Students should use computer aided backdrops and various innovative layouts.
- Appropriate selection of designer display folders & different design options are possible for showcasing their creative works.

Submit the portfolio as a record in the time of external evaluation.