
CHHATRAPATI SHAHUJI MAHARAJ UNIVERSITY
KANPUR



SYLLABUS
(B.Voc. Fashion Technology)

VOCATIONAL STUDIES

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY
SCHOOL OF ENGINEERING & TECHNOLOGY

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY
B.VOC FASHION TECHNOLOGY

Vision

The Faculty of Fashion Technology aims to be recognized as a premier center in India that provides holistic education and training in fashion and apparel technology and whose graduates emerge as highly capable professionals in the field and contribute immensely to the growth of industry and sustainable society.

Mission

- To design and technological challenges in the field.
- The department also offers need-based continuing education programmes/courses for the benefit of the society.
- To impart hands-on training to students with state-of-the-art infrastructure and to provide conducive atmosphere for teaching and learning.
- It aims to develop globally competitive graduates through comprehensive education and training that precisely meets the needs and expectations of the fashion/garment industry and business.

OFFERED PROGRAMMES

Department of Fashion Technology offers three-year programs that are affiliated to C.S.J.M. University, Kanpur and recognized by AICTE:

- Bachelor of Vocational Degree in Fashion Technology.

Program Outcomes (POs):

| | |
|------|--|
| PO-1 | Graduate of the programs will have successful career in manufacturing quality assurance, Product design and development, and technical sales and promotion of apparel manufacturing Industry. |
| PO-2 | Provide the students with the ability and skills to analyze the problems in R&D and consultancy Using the mathematical, scientific, and engineering fundamentals so as to establish themselves Practicing professionals. |
| PO-3 | To develop the ability among students to identify, conceptualize design & develop, install and Implement the appropriate solutions for real life problems in a rational manner. |
| PO-4 | To calculate administrative & communication skills, human and ethical values among the Students to develop team spirit for congenial work culture. |
| PO-5 | To generate among the students a person, a passion to pursue lifelong learning and up, Graduation to sustain their career with leadership qualities and a proactive approach. |
| PO-6 | Prepare students to undertake further study at doctoral level. |
| PO-8 | Integrate knowledge, skill and attitude that will sustain an environment of learning and create. |
| PO-9 | To provide hand work experience using a set of complex technologies for to build prototypic Problem solves current needs. |

Program Specific Outcomes (PSOs)

PSO-1: To be able to understand Develop an understanding of various trend analysis & product conceptualization.

PSO-2: To be able to Develop logical and creative thinking for the solutions for apparel manufacturing & merchandising.

PSO-2: To be able to Deep knowledge of fashion design and technology.

Semester –Wise Course Structure

Ist Year –Ist semester

| Sl.no | Course code | Course Title | L | T | P | Credits |
|-------|-------------|-----------------------------------|---|---|---|---------|
| 1. | DFT-1001 | EffectiveCommunicationSkills | 4 | 1 | | 5 |
| 2. | DFT-1002 | EssentialsofPatternMaking | 4 | 1 | | 5 |
| 3. | DFT-1003 | BasicsofTextiles | 4 | 1 | | 5 |
| 4. | DFT-1004 | IntroductionToComputer | 4 | 1 | | 5 |
| 5. | DFT-1005 | BasicsofApparelConstructionsLab-I | | | 4 | 2 |
| 6. | DFT-1006 | Computer Lab | | | 4 | 2 |
| 7. | DFT-1007 | FashionIllustrationLab | | | 4 | 2 |
| 8. | DFT-1008 | CommunicationLab | | | 4 | 2 |
| 9. | DFT-1009 | EssentialsofPatternMaking-Lab | | | 4 | 2 |
| | | Total | | | | 30 |

Ist Year – IInd semester

| Sl.no | Course code | Course Title | L | T | P | Credits |
|-------|-------------|--|---|---|---|---------|
| 1. | DFT-2001 | English | 3 | 1 | | 4 |
| 2. | DFT-2002 | French | 3 | 2 | | 5 |
| 3. | DFT-2003 | Fabric Technology | 4 | 1 | | 5 |
| 4. | DFT-2004 | ApparelMachinery&Equipment's | 4 | 1 | | 5 |
| 5. | DFT-2005 | BasicsofApparelConstructionsLab -II | | | 6 | 3 |
| 6. | DFT-2006 | FabricAnalysisLab | | | 4 | 2 |
| 7. | DFT-2007 | PatternMakingand GradingLab | | | 6 | 3 |
| 8. | DFT-2008 | EnvironmentalStudies | 3 | | | 3 |
| | | Total | | | | 30 |

IInd Year -IIIrd Sem

| Sl.no | Course code | Course Title | L | T | P | Credits |
|-------|-------------|--|---|---|-------|-----------|
| 1. | DFT-3001 | TextileWetProcessing-I | 4 | 1 | | 5 |
| 2. | DFT-3002 | FashionMarketingandMerchandising | 4 | 1 | | 5 |
| 3. | DFT-3003 | DesignConceptandMethodology | 3 | 1 | | 4 |
| 4. | DFT-3004 | OrganizationalBehavior | 3 | 1 | | 4 |
| 5. | DFT-3005 | TextileWetProcessingLab–I | | 4 | | 2 |
| 6. | DFT-3006 | HistoryofCostumes | 3 | 1 | | 4 |
| 7. | DFT-3007 | TraditionalEmbroideriesofIndia | | | 6 | 3 |
| 8. | DFT-3008 | Illustration,PatternMaking&Constructi onforKids-Lab | | | 6 | 3 |
| | | | | | Total | 30 |

IInd Year -IVth Sem

| Sl.no | Course code | Course Title | L | T | P | Credits |
|-------|-------------|--|---|---|-------|-----------|
| 1. | DFT-4001 | ApparelMarketing&Management | 3 | 1 | | 4 |
| 2. | DFT-4002 | TextileTesting&QualityControl | 3 | 1 | | 4 |
| 3. | DFT-4003 | TextileWetprocessing–II | 3 | 1 | | 4 |
| 4. | DFT-4004 | ComputerApplicationinFashionInd ustry | 4 | 1 | | 5 |
| 5. | DFT-4005 | TextileTestingLab | | 4 | | 2 |
| 6. | DFT-4006 | E-DesignLab | | | 4 | 2 |
| 7. | DFT-4007 | Patternmaking&Garmentsconstruct ion (Women’sWear) | 1 | | 6 | 4 |
| 8. | DFT-4008 | ComputerApplicationinFashionIndu stry-Lab | | | 4 | 2 |
| | DFT-4009 | ValueEducation | 3 | | | 3 |
| | | | | | Total | 30 |

IIIrd Year - Vth Sem

| Sl.no | Course code | Course Title | L | T | P | Credits |
|-------|-------------|--|---|---|-------|-----------|
| 1. | DFT-5001 | Fabric & garment care | 3 | 1 | 0 | 4 |
| 2. | DFT-5002 | Apparel Quality Management | 3 | 1 | 0 | 4 |
| 3. | DFT-5003 | Visual Merchandising | 3 | 1 | 0 | 4 |
| 4. | DFT-5004 | Apparel costing and export documentation | 3 | 1 | 0 | 4 |
| 5. | DFT-5005 | Pattern making & garment construction for adults | | | 8 | 4 |
| 6. | DFT-5006 | Design collection lab | | | 8 | 4 |
| 7. | DFT-5007 | CAD Lab-II | | | 4 | 2 |
| 8. | DFT-5008 | Fashion draping lab | | | 8 | 4 |
| | | | | | Total | 30 |

IIIrd Year VIth Sem

| Sl.no | Course code | Course Title | L | T | P | Credits |
|-------|-------------|---------------------|---|---|-------|-----------|
| 1. | DFT-6001 | Retail management | 3 | 1 | | 4 |
| 2. | DFT-6002 | Event Management | 4 | 1 | | 5 |
| 3. | DFT-6003 | Home furnishing | 2 | 1 | | 3 |
| 4. | DFT-6004 | Project & viva voce | | | | 8 |
| 5. | DFT-6005 | Internship | | | | 10 |
| | | | | | Total | 30 |

Total Credits - 180

Detailed syllabus

Course code – DFT- 1001

Breakup: 4-1-0-5

Course Name: Effective communication skills

Course outcomes (CO): At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Develop and Expand Writing Skills through Controlled and Guided Activities |
| CO-2 | To communicate contextually in specific personal and professional situations with courtesy |
| CO-3 | The understanding of the essential components of effective communication |
| CO-4 | Real-time feedback on their regional, tone and non-verbal nuances |

Course Details

Unit I: Fundamentals of Language: Basic use of parts of Speech, Tenses, Articles, Modal verbs, Conditional sentences, verbs, phrasal verbs and idioms, word-building through suffix and prefix, compound words, for specific usage related to the situations.

Unit II: Reading skills: Dealing with difficult vocabulary, reading comprehensions, reading sub skills -skimming and scanning.

Unit III: Sentence pattern and paragraph writing: Basic writing skills and conveying specific factual information using simple sentences of various patterns. Transformation of sentences, writing Introduction, welcoming, thanks giving and conclusion.

Unit IV: Effective Oral Communication: Oral reports, discussion, telephonic conversations, pronunciation, stress and intonation. British and American English, synonyms and antonyms, public speaking.

Unit V: English for Job-search: Drafting covering letters and applications specific to a job. Difference between CV, Resume and Bio-data. Tips for Interview Success. Body Language. Mock Interviews for enhancing skills.

Reference Books:

1. Adair, John. Effective Communication. London: Pan Macmillan Ltd.2003.
2. Ajmani, J. C. Good English: Getting it Right. New Delhi: Rupa Publications, 2012.
3. Amos, Julie Ann. Handling Tough Job Interviews. Mumbai: Jaico Publishing, 2004 Bonet, Diana. The Business of Listening: Third Edition. New Delhi: Viva Books, 2004.
4. Business Communication Today: Tenth Edition. New Jersey: Prentice Hall, 2010.
5. Brown, Michele &Gyles Brandreth. How to Interview and be interviewed. London: Sheldon Press, 1994.
6. Carnegie, Dale. The Quick and Easy Way to Effective Speaking. New York: Pocket Books, 1977.Collins, Patrick.
7. Speak with Power and Confidence. New York: Sterling, 2009.
8. Fensterheim, Herbert and Jean Baer. Don't Say Yes When You Want To Say No. New York: Dell, 1975

Course Code: DFT-1002

Breakup: 4-1-0-5

Course Name: Essential of pattern making.

Course outcome (CO) Upon Completing the Course, Students will able to:

| | |
|-------------|--|
| CO-1 | Students will be able to develop pattern for adults. |
| CO-2 | Students will develop the capability and skills of creating the patterns for designer wear with dart manipulation techniques |
| CO-3 | Student will be able to develop commercial paper pattern to meet local industry standards' develop |

Course Details:

Unit I: Body measurement -importance, preparing for measuring, ladies measurements, boys and men's measurements. Standardizing body measurements –importance, techniques used. Relative length and girth measures in ladies /gentlemen. Preparation of fabric for cutting – importance of grain in cutting and construction, steps in preparing the fabric for cutting.

Unit II: Pattern making –method of pattern making – (Drafting and draping), merits and demerits. Types of paper patterns (Patterns for personal measurements and commercial patterns) Principles of pattern drafting. Pattern details, steps in drafting basic bodice front and back and sleeve.

Unit III: Styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to seam and partial yokes and incorporating darts into seams forming yokes. Fitting - Standards of a good fit, steps in preparing a blouse for fitting, checking the fit of a blouse, solving fitting problems in a blouse, fitting techniques.

Unit IV: Pattern alteration –importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern grading –definition, types, manual –master grades, basic front, basic back basic sleeve, basic collar and basic grading.

Unit V: Pattern layout- definition, purpose, rules in layout, types of layouts for length wise stripped designs, fabric with bold design, asymmetric designs, and one way designs. What can be done if cloth is insufficient, fabric cutting, transferring pattern marking, stay stitching and Ease stitching?

Reference Books:

1. Steffani Lincecum, Patternmaking for a Perfect Fit: Using the Rub-off Technique to Re-create and Redesign Your Favourite Fashions
2. Helen Joseph - Armstro, Patternmaking for Fashion Design
3. Lori A. Knowles, Practical Guide to Patternmaking for Fashion Designers: Juniors, Misses and Women
4. Donald H. Mc Cunn, How to Make Sewing Patterns (Paperback)

Course Code: DFT-1003

Breakup: 4-1-0-5

Course Name: Basic of textile

Course outcome (CO) Upon Completing the Course, Students will able to:

| | |
|-------------|--|
| CO-1 | Become aware of history and development of global and Indian textile and apparel industry. |
| CO-2 | To understand the global trade in industry. |
| CO-3 | Be able to understand the small and medium scale enterprise in the industry. |
| CO-4 | To understand the importance of the textile and apparel industry. |

Detailed syllabus:

Unit I:

Introduction to the field of Textiles – major goals- classification of fibers – natural and chemical – primary and secondary characteristics of textile fibers.

Unit II:

Manufacturing process, properties and uses of natural fibers – cotton, linen, jute, pineapple, hemp, silk, wool, hair fibers, Manmade fibers – viscose rayon, acetate rayon- nylon, polyester, acrylic.

Unit III:

Spinning – definition, classification – chemical and mechanical spinning – blending, opening, cleaning, doubling, carding, combing, drawing, roving, spinning, Yarn classification – definition classification – simple fancy yarns, sewing threads and its properties.

Unit IV:

Woven – basic weaves- plain twill, satin, fancy weaves – pile, double cloth, leno, swivel, lapper, dobby and jacquard Weaving technology- process sequence –machinery details.

Unit V:

Non- woven- felting, fusing, bonding, lamination, netting, braiding and calico, tatting and crocheting

Reference Books:

1. Lesley Jackson, 20th Century Pattern Design: Textile and Wallpaper Pioneers
2. Marie O' Mahoney, Advanced Textiles for Health and Wellbeing
3. Laura Euler, Arts and Crafts Embroidery
4. Valerie D. Mendes, Frances Hinchcliffe, Ascher: Fabric, Art, Fashion
5. Joseph M, Essentials of Textile
6. Gohl EPG & L D Vilnsky, Textile Science
7. Corbman B P, Fiber to Fabric

Course code: DFT-1004

Break up: 4-1-0-5

Course name: Introduction to computer

Course Outcomes (CO): On completion of this course, the students will be able to:

| | |
|-------------|---|
| CO-1 | Understand the basic concepts of Procedure–Oriented Programming and object-oriented programming. |
| CO-2 | Achieve the Knowledge of developing simple java programs. |
| CO-3 | Develop computer programs to solve real global problems. |
| CO-4 | Design simple GUI inter faces to interact with users ,using Apple sand swings |
| CO-5 | Achieve Knowledge of multi-threading and to comprehend the event-handling techniques in local, national level |

Detailed syllabus:

Unit I

Introduction to computer, Input and Output Devices, System Software and Application Software Computer Language, Compiler and Assembler

Unit II:

Basics of Word Processing Starting Word Program, Word Screen Layout, Typing Screen Objects, Managing Documents, Protecting and Finding Documents, Printing Documents, Formatting Documents Working with text, Formatting Text, Formatting Paragraphs, Bulleted and Numbered Lists, Copying and Moving Text, Spelling and Grammar, Page Formatting, Creating Tables, Mail Merge Types of document in Mail merge, creating data Source, Creating Mailing Labels, Merging Data into Main Document

Unit III:

Basics of Spreadsheet Selecting, Adding and Renaming Worksheets, modifying a Worksheet, Resizing Rows and Columns, Workbook Protection, Formatting Worksheets Formatting Toolbar, Formatting Cells, Formatting Rows and Columns, Formatting Worksheets Using Styles, Protect and Unprotect Worksheets, Formulas, Functions and Charts Formulas and Functions, Types of Charts, Auto Shapes and Smart art.

Unit IV:

Creating Presentation Creating Slides, Slide Sorter View, Changing Slide Layouts, Moving Between Slides

Unit V:

Introduction to Internet Getting Connected to Internet, Types of Internet Connections, Internet Terminology, Understanding Internet Address , Computer Viruses and Security threats.

Reference Books:

1. Sanjay Sexena, A First Course in Computers
2. Balaguruswamy, Programming in ANSI C
3. Brian W Kerighan and Dennis M Ritchie, C Programming Language

Course code: DFT-1005

Breakup:0-0-4-2

Course name: Basic of Apparel constructions lab-I

Course Outcomes (CO): On completion of this course, the students will be able to:

| | |
|-------------|---|
| CO-1 | Students will gain basic understanding of garments, machines and their use in apparel and fashion industry |
| CO-2 | Students will be able to know about the different size charts and will be able to take measurements of the person |
| CO-3 | Students will develop an understanding of how different constructional tools help to make a perfect garment |
| CO-4 | Students will be able to describe their garments in a more global professional manner, by using the correct terminology |

COURSE DETAILS:

Exercise1:

Preparation of samples for seam (any 5)-plain, Top Stitched, flat fell, piped seam.

Exercise 2:

Preparation of samples for seam finishes (any 3) -overcast, Hem, Edge stitched, bound.

Exercise 3:

Preparation of samples for fullness-darts, tucks (any 3)-pin, cross, group tucking with scalloped effect, Pleats (any 3)-knife, box, kick, gathering by machine, elastic. Ruffles- single, double

Exercise 4:

Preparation of samples for facing and binding-bias facing, shaped facing, binding.

Exercise 5:

Preparation of samples for plackets and fasteners-continuous, bound, faced and zipper plackets, button and buttonhole, press button, hook and eye.

Exercise 6:

Preparation of samples for sleeves-plain sleeve, puff sleeve (any one type), raglan or cap sleeve.

Exercise 7:

Preparation of samples with yoke –simple yoke, yokes supporting fullness.

Exercise 8:

Preparation of samples for collar - Peter Pan collar, shirt collar,

Exercise 9:

Preparation of samples for pocket-patch pocket.

Reference Books:

1. Nora Abousteit and Alison Kelly, the Burda Style Sewing Handbook
2. Wendy Mullin, Sew U: The Built by Wendy Guide to Making Your Own Wardrobe
3. DK Publishing: The Complete Book of Sewing
4. Kelvey Kathryn Mc, fashion Source Book
5. Ireland Patrick John, Encyclopedia of Fashion detail

Course code : DFT-1008
Course name: Communication lab

Breakup: 0-0-4-2

Course Outcomes (CO): upon successful completion of this course, students should be able to:

| | |
|-------------|--|
| CO-1 | students will be able to use regional language accurately, fluently and appropriately. |
| CO-2 | They will be able to show their skills of listening, understanding, and interpreting. |
| CO-3 | Students will also exhibit advanced skills of interview, debating and discussion |
| CO-4 | Student will prepare for any local or national buyer communication. |

Course detail:

Exercise1:

Conversation between two students recorded on camera. To be self-critiqued

Exercise2:

Reporting on various types of radio programmes monitored by them

Exercise3:

Presentation on TV programmes watched on the previous day

Exercise4:

Rewriting Headlines of Newspapers (Hindi & English) on the display boards

Exercise5:

Reading of day's newspapers followed by discussions

Exercise6:

Writing exercises to inform, report and persuade

Exercise7:

Using microphones (Public Speaking/Presentation Situations)

Exercise8:

Interview and Group Discussion sessions

Exercise9:

Book Reading, Reviews, Appreciation

Exercise 10:

Effective Presentation using various audio – visual aids

Course code: DFT-1009

Breakup-0-0-4-2

Course name: Essentials pattern making lab.

Course outcomes (CO): At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Developed the skills will help students to use basic patternmaking principles to create design variations. |
| CO-2 | Exploring the regional knowledge related to different fashion components students will be able to create variety of patterns regard to sleeve and collars |
| CO-3 | Students will be able to apply patternmaking principles to create design variations and construct garments |

Course details:

Exersice1:

Basic Blocks for kids & women.

Exercise 2:

Dart manipulation: creating dart equivalents seams, added euillness, yokes.

Exercise 3:

Pattern grading: basic block- kids, basic block (with dart) –women

Exercise 4:

Pattern layout 1/4scale patterns for striped fabric, bold designs asymmetric designs &one way designs.

Reference Books:

1. Stefani Lincecum, Patternmaking for a Perfect Fit: Using the Rub-off Technique to Re-create and Redesign Your Favorite Fashions
2. Helen Joseph - Armstrong, Patternmaking for Fashion Design
3. Lori A. Knowles, Practical Guide to Patternmaking for Fashion Designers: Juniors, Misses And Women.
4. Donald H. Mc Cunn, How to Make Sewing Patterns (Paperback)
5. Patternmaking: A Comprehensive Reference for Fashion Design

Course code: DFT-2001

Breakup: 3-1-0-4

Course name: English

Course Outcomes (CO) At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Relation between pleasure of literature and real-life. |
| CO-2 | Basic knowledge of English Grammar.Oral Communication |
| CO3 | Basic Communication. |
| CO4 | Business Writing.Global Presentations skills |

Course details:

Unit I:

Basic Communication Theory: Importance of Communication – Stages of communication, Modes of Communication – Barriers to Communication-Strategies for Effective Communication – Listening: Importance, Types, and Barriers –Developing Effective Listening Skills.

Unit II:

Comprehension and Analysis: Comprehension of Technical and Non-Technical Material – Skimming, Scanning, Inferring-Note Making and extension of Vocabulary, Predicting and Responding to Context- Intensive Reading and Reviewing.

Unit III:

Writing: Effective Sentences, Cohesive Writing, Clarity and Conciseness in Writing – Introduction to Technical Writing – Better Paragraphs, Definitions, Practice in Summary Writing – Four modes of writing – Use of dictionaries, Indices, library References –Making Bibliographical Entries with Regard to Sources from Books, Journals, Internet etc.

Unit IV:

Business Writing/Correspondence: Report Writing – Memoranda – Notice– Instruction – Letters.

Unit V:

Oral Communication: – Presentation skills – Group Discussions – Dialogue Writing– Short Extempore – Debates-Role Plays-Conversation Practice.

Reference Books:

1. B. K. Das et al., Cambridge, An introduction to Professional English and Soft Skills University Press (Facilitated by BPUT)
2. Meenakshi Ramanand Sangeeta Sharma, Oxford Publications Technical Communication:
3. M Ashraf Rizvi, The McGraw, Effective Technical Communication Hill companies.
4. Alan Pease, Understanding Body Language
5. Geoffrey Leech and Ian Svartik. Communicative Grammar of English
6. J.D. O'Connor Better English Pronunciation.

Course code: DFT-2002

Breakup: 3-2-0-5

Course name: French

Course outcomes (CO): At the end of the course, a student will be able to:

| | |
|------|--|
| CO-1 | The language: speaking, listening, reading and writing |
| CO-2 | Literacy skills |
| CO-3 | Critical Thinking and Collaboration |
| CO-4 | Knowledge of Francophone culture |

Course detail:

| SLNo | Lecon | Grammaire | Aspect communicatif | Conjugction des Verbes | Vocabulaire |
|------|------------------------|--|---|--|---|
| 1 | Les Salutations | PronomsSujetsC'est , il est , elleest | 1.Se Presenter 2.Saluer 3.Presenter Quelqu'un | Etre ,appeler, s'appeler | 1.Les professions 2.Les Laungues 3.Les natioinalties 4. Les pays 5.Les nombres-1a' 20 |
| 2 | Objects et personnages | Article define et indefni- adjectifsinterrogatifs -usage de C'est,il y a | 1.Interroger quelqu'un 2.Poser des questions 3.Decrire quelqu'un | Verbes 1.Avoir 2.Verbes du premier group- aller | 1.Les nombres (suite)-21 a' 60 |
| 3 | A quelle heure? | 1.Article define contracte avec a 2.Article define contracte avec <u>de</u> | 1.Demander l'heure 2.Indiquer l'heure 3.exprimer les gouts et les preferences | Verbes avec termination irfinir, grandir, choiser | 1.jours de la semaine 2.Mois de l' annee 3.Les saisons |
| 4 | Les Vacances | 1.Interrogation 2.Negatioin 3.Pronoms Tonique's | 1.Exprimer une opinion 2.Poser des questions | Verbespenser , dire, croire | 1.Expressions avec mots de quantite 2.Repondre une question |
| 5 | La librairieclun y | 1.L'adjectif possessifEtre a+ noun/pronom 2.on – adjective indefini | 1.Donner son pinion 2.Pour s'orienter 3.Preciser la possession | Verbepouvoir-vouloir | Nombres 60 a 1000000 |
| 6. | Les monuments | 1.Adjectif Demonstrative 2.Preposition chez | 1.Expressions pour localiser | Verbes 1.Faire 2.Boire 3.Manager | 1.Monuments Francais 2.Monuments indiens |
| 7 | Weight | 1.Passe compose- | Exprimer .. | VerbesIrreguliers- | 1.Les mots de |

| | | | | | |
|----|-----------------------|--|--|---|---|
| | Watchers | avoir, etre -auxiliaire 2.Negatif, 3.Interrogative 4.Accord du participle passe 5.liste des verbesirreguliers et | 1.action habituelle 2.action ponctuelle 3.la frequenced'uneaction | venir-courir | frequenced'une action. 2.La liste des participes passes |
| 8 | Comment telephoner | Adjectifsqualificatifs | Dialogue par telephone | Verbeen re 1.prendre 2.repondre 3.attendre 4.entendre | Le numero de teleohone -les mots relies a la communication |
| 9 | Un voyage | Pronomrelatif- qui,que,ou. | 1.Emploe des mots D'abord,puis ensuite, apres,enfin 2.exprimer la frequencetoujours,souven t,queque-fois,jamais. 3.exprimer la continuite- encoire-ne ...plus | VerbePartir, dormir, sortir | 1.Succession des evenements 2.Le temps qu 'il fait |
| 10 | Emploi | 1.Futur – la formation et L'usage 2.Verbes impersonnels- pleuvoir,falloir, flairechaud/ friod | Exprimerune action qui aura lieu dans le futur | Verbes: Parler ,finir, prendre, etre, avior , recevoir(au future) | Le temps qu' il fait |
| 11 | La Mode | 1.Les Vetements 2. Les sous vetements 3.les Chaussures 4.Acheter un Vetement | | | |

Reference Book:

1. Lesson 11 Vocabulaireprogressif du Francais (CLE International)
2. Manual: Mantra- Methode de Francais- par K. Madanagopalan

Course code: 2003
Course name Fabric technology

Breakup: 4-1-0-5

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will develop understanding regarding fibers and their use in global sectors. |
| CO-2 | Students will develop understanding about yarns and their regional creative use. |
| CO-3 | To make informed choices while selecting fabrics for creating garments or other related products |

Course details

Unit I:

Elements of woven design, Methods of fabric representation, draft and lifting plan, construction of elementary weaves – plain, wrap rib, weft rib, twill, modification of twills, satin and sateen weaves – their derivatives.

Unit II:

Ordinary and brighten honey comb, its modification, hack a back and its modifications, crepe weaves, mock leno.

Unit III:

Extra warp and extra weft figuring – single and two colours, planting, backed fabric, warp and weft backed fabrics.

Unit IV:

Pile fabric – Formation of pile – weft pile – plain back, twill back – length, density and fastness of pile – corduroy weft plush. Warp pile – Terry pile, with the aid of wires, face to face warp pile.

Unit V:

Double cloth –classification, self-stitched – faces to back, back to face, both. Centre stitched – warp and weft. Interchanging double cloth.

Reference Books:

1. Watson W., Textile Design & colour: Elementary Weaves & Figured Fabrics
2. Watson W., Advanced Textile Design Pobinson, M. Fabric Structure

Course code: 2004

Breakup: 4-1-0-5

Course name: Apparel Machinery & Equipment

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students know about the various kind of apparel machinery used in global fashion industry. |
| CO-2 | Students aware from maintenance of local sewing machine. |
| CO-3 | Students get the knowledge of apparel machines in local and national level. |

Course details:

Unit I:

Sewing Machineries- Classification of sewing machines, parts functions of single Needle machine, over lock machine, bar tacking machine, button Hole making machine, button fixing machine, blind stitching Machine, fabric examining machine. Special attachments, care and maintenance, Common problems and remedies.

Unit II:

Stitching mechanism- Needles, bobbin and bobbin case, bobbin winding, loops and loop Spreader, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs- upper

and lower thread tension, stitching auxiliaries, pressure foot and its types, Feed mechanisms - drop feed, differential fed, needle feed, compound feed, unison feed, puller feed.

Unit III:

Cutting technology – definition, function, scope. Cutting equipment and tools, vertical reciprocity cutting machines, rotary cutting machine band knife cutting machine, die cutters. Types of spread and its quality, spreading equipment and tools used for spreading, spreading methods.

Unit IV:

Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning. Pressing Equipment's – purpose, pressing equipment's and methods – iron, steam press, steam air finisher, steam tunnel, special types – pleating, permanent press.

Unit V:

Sewing federal standards for stitch and stitch classification, federal standards for seam and seam classification, fabric suability, Sewing threads - types, essential qualities of a sewing thread, Manufacturing process of cotton and synthetic threads, twisting process.

Reference Books:

1. The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science (1994)
2. Gkock, Grace, Kunj, Apparel Manufacturing
3. Chuter, AJ, Introduction to Clothing Production Management

Course code: 2005

Breakup: 0-0-6-3

Course name: Basic of Apparel Construction Lab-II

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will gain the understanding regarding different garment components and their local and national construction. |
| CO-2 | Prepare different types of samples. |
| CO-3 | Students will be able to any regional construct complete garment. |
| CO-4 | Students will be able stitch sleeves, necklines and other parts of garments. |

Course details:

Exercise 1:

Preparation of samples for neckline.

Exercise 2:

Preparation of samples for different skirts

- i. Gathered skirt
- ii. Pleated skirt
- iii. Layered skirt
- iv. A line skirt
- v. Two piece skirt
- vi. Four piece skirt
- vii. Yoke skirt

Exercise 3:

Attach different types of sleeves into basic bodice, Plain, Puff, Circular, Raglan, Magyar

Exercise 4:

Attach different types of collars into basic bodice, Petterpan collar, Bishop collar.

Reference books:

1. Gkock, Grace, Kunj, An apparel Manufacturing.
2. Chuter, AJ, Introduction to clothing Production Management.

Course code: 2006
Course name: Fabric Analysis Lab

Breakup: 0-0-4-2

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Be able to identify various fabrics within the categories of natural and synthetic fiber. |
| CO-2 | Become aware of fabric sources in local, national , international markets. |
| CO-3 | Understand the suitability of fabrics for different styles, age groups and uses. |
| CO-4 | Be able to identify and understand the usage of non-textile materials along with textiles. |

Course details:

Identification of the following weaves Design and Draft a peg plan for the same.

Exercise1:

Plain weave and its derivatives (Warp rib, Weft rib)

Exercise 2:

Twill Weave – Right hand twill and left-hand twill.

Exercise 3:

Satin

Exercise 4:

Sateen

Exercise 5:

Honeycomb Weave

Exercise 6:

Huck a back Weave

Exercise 7:

Extra Warp and Weft Figuring.

Exercise 8:

Double cloth.

Exercise 9:

Terry pile structures

Reference books:

1. Craig Huntington, Tensile fabric structures: Design Analysis and construction
2. Watson W., Textile Design & color: Elementary weaves & figured fabrics.

Course code: 2007

Breakup: 0-0-6-3

Course name: Pattern Making and Grading Lab

Course Outcomes (CO): At the end of the course, a student will be able to:

| | |
|------------|--|
| CO1 | Students will be able to apply the learned regional techniques of draping to develop a product |
| CO2 | Students will be able to apply the global technique effectively for a desired fit in a garment |
| CO3 | Through grading process, students will be able to develop pattern for different sizes |

Course details:

Exercise

Draft and make the patterns and graded patterns of the following

- A. Basic bodice
- B. Sleeve
- C. Skirt
- D. Blouse
- E. Shirt
- F. Pajama
- G. Kameez
- H. Salwar
- I. S.B West
- J. Pleated Trousers

Reference Books:

1. Michele Lininger, Patternmaking and Grading Using Gerber's Accomack Pattern Design Software
2. Winifred Aldrich, Metric pattern cutting for Children's Wear and Baby wear
3. NormaCarolyn, Pattern Making

Course Code: 2008

Breakup: 3-0-0-3

Course name: Environment Studies

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| Co-1 | Recognize the interconnectedness of multiple factors in global environmental challenges |
| Co-2 | Engage constructively with diverse forms of knowledge and experience |
| Co-3 | Students gain multidisciplinary nature of environmental studies. |
| Co-4 | National concept of ecosystem. |

Course Details:

Unit I:

Multidisciplinary nature of environmental studies –Definition,scope and importance, need for Public awareness.

Unit II:

Natural Resources: Renewable and nonrenewable resources, Natural resources and associated Problems.

- Forest resources: Use and over – exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest & tribal people.
- Water resources: Use and over utilization of surface and ground water, floods, drought, conflicts over water, dams – benefits and problems.
- Mineral resources: Use and exploitation, environmental effects of extracting and using Minerals resources, case studies.
- Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer –pesticide problems, water logging,Salinity, case studies.
- Energy resources: Growing energy needs renewable and nonrenewable.
- Land resources: Land as resources, land degradation, man included landslides.

Unit III:

Ecosystem: 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 :- a, Forest ecosystem b. Grassland ecosystem c. Desert ecosystem d. Aquatic ecosystems. Unit IV:

Biodiversity and its conservation Introduction – Definition genetic, species and ecosystems Diversity. Biogeographically, 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 amega diversity nation Hot – sports of biodiversity.

Unit V:

Environmental Pollution: Definition,cause, effects and control measures Of: - a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards. Solid waste Management: Cause, effects and control measures of urban and Industrial wastes. Role of an individual in prevention of pollution case studies.

Unit VI:

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.

Unit VII:

Human Population and the Environment. Population growth, variation among nations. Population explosion – Family Welfare Program me. Environment and human health. Human Rights. Value Education. HIV/AIDS. Women and Child Welfare. Role of Information Technology in Environment and Human health. Case Studies.

Reference Books:

1. Mike Hulme, Climates and Cultures
2. Mark Garrett, Encyclopedia of Transportation Social Science and Policy
3. Steel, Science an A-to-Z Guide to Issues and Controversies
4. John A Matthews, Encyclopedia of Environmental Change

Course Code: 3001

Breakup: 4-1-0-5

Course Name: Textile Wet Processing-I

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Develop skill on starching of fabric, chemical softening biochemical/enzyme assisted processes carried over for textile fabrics and Identify machineries used to finishing work of various functional processes |
| CO-2 | Identify defects in blow room laps, causes and remedial measures. Identify various lubricants used for different parts of the machineries and maintenance of these machineries |
| CO-3 | Select and organize the dyeing process of wool, silk, flax and jute with suitable dyes using appropriate machine |
| CO-4 | Become aware of fabric sources in local, national, international markets |

Course Details:

Unit I:

Sequence of processes used in Textiles Wet Processing for cotton, polyester, and cotton blend- brushing and shearing-singeing- enzyme designing method- alkali scouring by kier boiling, J box, bleaching, mercerization.

Unit II:

Dyeing: Different types used for Cellulosic, Protein and Synthetic fibers- Dyeing methods of Cellulosic Fiber with Reactive and Vat dyes. Dyeing of Polyester with Disperse Dyes. Hank dyeing, Beam dyeing, Jigger Dyeing, Winch Dyeing, Padding Mangle, Natural dyes Unit III:

Printing: Style of Printing-Screen printing- Steaming and curing- Printing of Cellulosic Fiber with Reactive Dyes- Polyester with Disperse Dye Printing of synthetics.

Unit IV:

Roller Printing, Screen Printing- Tie and Dye- Flock Printing, Transfer Printing, Sublimation Transfer printing- Preparation of Logos and motifs for fixing on garments.

Unit V:

Fabric and Garment Finishing: Basic and functional finishes- Water repellence, Water Proofing, Flame Retardant, Anti shrinkage, Stiffening, Glazing, Embossing and mooring.

Reference Books:

1. Dyes and Dye intermediates by NIIR Board of consultants and Engineers
Textile Finishing, W.S.Murphy, Abishek publications.

Course code: 3002

Breakup; 4-1-0-5

Course name: Fashion Marketing and Merchandising

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will be able to retail products using techniques learned. |
| CO-2 | Students will be able to develop a product line |
| CO-3 | To understand local & national merchandise system |
| CO-4 | To learn technical skills, sharpen creativity and develop business understanding for working in the global fashion industry. |

Course details:

Unit I:

Introduction to Retail, Marketing, Management and Merchandising, terminologies.

Unit II:

Fashion Retailing-History, Scope, Importance, Types (Domestic and International), techniques, channel of distribution.

Unit III:

Marketing – types, four P's, fashion promotion advantages, trade shows, Market weeks, exhibitions, fashion shows, market survey and research.

Unit IV:

Types of merchandising, concepts, merchandise planning, sampling- Importance, counter Samples.

Unit V:

Brand Building-Introduction, strategies, image building, brand expansion, global trends.

Unit VI:

Visual Merchandising-Interior, exterior window displays, store planning and layout-fixtures, location, lighting, dressing, props and promotions, masking and proscenia, mannequins and three dimensional dress.

Unit VII:

Introduction to customer relationship management, measuring customer relationship management, customer response, satisfaction, loyalty, customer relation and complaint management.

Unit VIII:

Retail merchandiser, concept, quick response, Just –in-Time, merchandiser calendar, trend analysis, forecast analysis, concepts of apparel product line, planning, directing, coordinating and controlling

Reference Books:

1. Laura L Bliss, Study Guide Visual Merchandising and Display III edition, Fairchild Publications, 1995
2. Castelino, M. Fashion Kaleidoscope, Rupa & Co. 1994.
3. Gibson, G. Vedomani, Retail Management, Jaico Publishing House, Bangalore
4. Elaine Stone, The Dynamics of Fashion, Fair Child Publication, 1999
5. Brenda Sternquist, International Retailing, Fairchild Publication, New York 30
6. Koontz & Heinz, Principles of Management

7. Easey Mike, Fashion Marketing
8. Kotler Philip, Marketing Management.

Course code: 3003
Course name: Design Concept and Methodology

Breakup: 3-1-0-5

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will acquire skills of creating a global trend forecast that is a fundamental requisite while Quality of a designer, merchandiser, or researcher. |
| CO-2 | Fundamental of Design concept. |
| CO-3 | Students create a professional designer's portfolio. |
| CO-4 | Followed by fashion industry worldwide for designing purposes. |
| CO-5 | Working as a fashion designer/ merchandiser as a local or national designer. |
| CO-6 | They will be able to create a sustainable design with limited resources which is an essential |

Course details:

Unit I:

Design Definition, Types structural design and decorative design, types of designs – natural, stylized geometrical, and abstract.

Unit II:

Elements of design – line shape, color, size & Texture, Art & Principle – Balance, Rhythm, emphasis, harmony & proportion.

Unit III:

Color, color theories, Munsell & Munsell, Dimensions of color – Hue value & intensity, color scheme and texture.

Unit IV:

Trimmings & Decoration – Definition and types, Figure irregularities, Wardrobe planning.

Unit V:

Design development and adjustment Selection of design for end uses.

Reference Books:

1. Elements of fashion & apparel design
2. Fashion sketch book" written & illustrated by Bina Abling, Fair child publications, New York
3. Wardrobe strategies for women" by Judith Rasband, Delmar publishers, London.
4. Fundamentals of textiles and their care" susheela Dantyagi, 5th edition, published by Orient Longman Ltd., New Delhi,
- Inside the fashion business" 4th edition by Jeannette A Jarnow, MorianrGuerreiro& Beatrice Judelle, Mac Millan Company, New York

Course code: 3004

Breakup: 3-1-0-4

Course name: Organizational Behavior

Course Outcomes: At the end of the course, a student will be able to:

| | |
|------|--|
| CO-1 | To provide global knowledge Nature of organizations |
| CO-2 | To analyses the current organizational design. |
| CO-3 | Types and their Behavioral implications. |
| CO-4 | OB-Emerging challenges Foundations of individual behavior, personal factor |

Course details:

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Unit I:

Nature of organizations, why organizations exist, organizational effectiveness, nature or organizational behavior, (OB), foundations of OB, importance and shortcomings of OB, historical roots of OB, interdisciplinary focus, approaches to OB.

Unit II:

Foundations of individual behavior, personal factor, environmental factor, organizational systems and resources, psychological factors. Personality - Structure, determinants, personality traits and OB. Perception - Perceptual process, attribution, errors in perception, managing perception. Learning - how learning occurs, principles of learning. Attitudes - formation, factor, changing attitudes, job satisfaction. Value - types. Motivation - challenges, importance, content theories and process theories. Applied motivation practices - rewards, job design, socio technical systems OB model, empowerment, goal setting. Work Stress - stress model, cause, consequences, coping strategies.

Unit III:

Group and Interpersonal behavior - group dynamics - why groups form, types, group norms, cohesiveness, decision making / styles, strategies for improving decision making teams - special types of groups, types of teams, Power, and political behavior - sources of power, effective use of power. Organizational policies, forces creating political behavior, personality, and political behavior. Conflict - Sources and strategies to resolve conflict. Leadership - styles, contemporary developments. Interpersonal communication - essentials, networks, communication technologies, non - verbal communication, barriers, strategies to overcome barriers.

Unit IV:

Organizational process Organizational design - types and their behavioral implications. Organizational change - cause for change, why change resisted - managing change. Organization culture - how is culture created and sustained.

Unit V:

OB - Emerging challenges, managing diversity, globalization, technology transformation, e business, promoting ethical behavior.

Reference Books:

1. John B. Miner, Organizational Behavior: Foundations, Theories, and Analyses
2. Brethower, Dale M, Understanding Behavior of Organizations to Improve Behavior in Organizations
3. Oliver E. Williamson, Organization Theory: From Chester Barnard to the Present and Beyond
4. Ronald R. Sims, Managing Organizational Behavior
Peter Makin; Charles Cox, Changing Behavior at Work: A Practical Guide

Course code: 3005

Breakup: 0-0-4-2

Course name: Textile Wet Processing Lab-I

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will be able to use the local techniques for developing different products. |
| CO-2 | Exploring and applying the old and new ideas of designing in different sector |
| CO-3 | Different types of textile Printing and Testing knowledge |

Course details:

Exercise 1:

Preparation of samples for processing

Exercise 2:

DE sizing

Exercise 3:

Scouring

Exercise4:

Bleaching

Exercise 5:

Dyeing Acid basic, direct, Naphthol, Sulphur, Vat & Disperse dyes

Exercise6:

Reactive dyes (Hot and cold).

Exercise 7:

Test of absorbency Test of shrinkage.

Reference Books:

1. Arthur Courtney Hayes, Experiments in wet processing textile fibers: A laboratory manual supplementing a comprehensive course in textile chemistry

Course code: 3006

Breakup: 3-1-0-4

Course name: History of Costumes

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Students will develop understanding about ancient and contemporary costumes of India. |
| CO-2 | Students will learn about fabrics, techniques and drapes of different eras and will be able to introduce to today's fashion industry in a more creative way |
| CO-3 | Beginning of costumes Local and national level. |
| CO-4 | Development of Apparel industry of different stages. Students will be able to look at art as source of inspiration |

Course details:

Unit I:

Costumes: beginning of costumes, origin of clothing, growth of dress, painting, cutting and other methods

Unit II:

Costumes of India: traditional costumes of different states of India.

Fabric Development of India: different traditional textiles and embroideries, brocades, dyed and printed textiles. Costumes of ancient civilization.

Unit III:

Costumes: Thailand, Cambodia, Philippines, Sri Lanka, Indonesia, Burma, Pakistan, China, Japan

Unit IV:

French Costumes during renaissance-Ad 1500-1600 English Textiles and Costumes- Middle Age.

Unit V:

American Costumes-18th-20th Century

Development of Apparel Industry through different stages.

Reference Books:

1. A History of Fine Arts in India and the West / Edith Tomory / Orient Longman
2. Francois Boucher, 20,000 Years of Fashion the History of Costume and Personal Adornment
3. DK Fashion: The Definitive History of Costume and Style.
4. Cally Blackman, 100 Years of Fashion
5. Kyoto Costume Institute, Fashion: A History from the 18th to the 20th Century
6. Alkazi Roshan, Ancient Indian Costumes
7. Peacock John, The chronicle of Western Costumes
Illustrated Encyclopedia of Costume and Fashion.

Course code: 3007

Breakup: 0-0-6-3

Course name: Traditional Embroidery of India

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Students will be able to explore and bring into practice their ideas through embroidery techniques |
| CO-2 | Student will be able to understand the application of different local and national embroidery to techniques to create 2D and 3D effects |
| CO-3 | Students will be able to create innovative designs by combining number of stitches and by using creative raw material |
| CO-4 | Students will be able to develop utility articles with the help of basic embroidery stitches |

Course details:

Prepare samples for the following.

Exercise 1:

Hand embroidery – 20

Exercise 2:

Stitches -10

Exercise 3:

Samples

Exercise4:

Traditional embroidery -Embroidery of Kashmir

Exercise5:

Phulkari of Punjab

Exercise6:

Gujarat – Kutch embroidery,

Exercise7:

Embroidery of Rajasthan

Exercise 8:

Kasuti of Karnataka

Exercise9:

Chicken work of Lucknow

Exercise 10:

Kantha of Bengal

Exercise11:

Machine Embroidery

Exercise 12:

Samples. Smocking -3types.

Reference Books:

1. Chatopadhyay K D, Embroideries of India
2. Beaney J, A complete guide to Creative Embroidery designs
3. Cassel, Contemporary Embroidery
4. Gill R, Indian Embroidery

Course code: 3008

Breakup: 0-0-6-3

Course name: Illustration, Pattern Making & Construction for Kids

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will get to know about the importance of darts and their uses. Students will be able to develop commercial paper pattern to meet global industry standards. |
| CO-2 | Students will gain knowledge about different themes required in the field of fashion. They will be able to draw different clothing lines based on selected/ particular themes. |
| CO-3 | Students will develop an approach through ideation. They will be able to conceptualize their ideas and amalgamation of different garments. |
| CO-4 | Analyze images in the frequency domain using various transforms. Designing, Drafting, and construction. |

Course details:

Exercise 1:

Designing, drafting and constructing the following garments for the features Prescribed List the measurements required and materials suitable Calculate the cost of the garment Calculate the material Required-Layout method and direct measurement Method 1. Bib- Variation in outline shape

Exercise 2.

Panty-plain or plastic lined panty

Exercise 3.

Jabla- without sleeve, front open (or) Magyar sleeve, back opens.

Exercise 4.

Baba suit- knickers with chest piece attached (or) Romper.

Exercise 5.

Summer frock- with suspenders at shoulder line, without sleeve/collars (or) Angel top with raglan sleeve, fullness at neckline

Exercise 6.

Yoke frock- yoke at chest line, with open, puff sleeve, gathered skirt 90° frock- with collar, without sleeve, gathered/ circular skirt at waistline (or) Princess line frock.

Exercise 7.

Knickers- elastic waist, side pockets.

Exercise 8.

Shirt- open collar, with pocket

Reference Books:

1. Naoki Watanabe, Contemporary Fashion Illustration Techniques
2. Anna Kiper, Fashion Illustration: Inspiration and Technique
3. Kathryn Hagen, Fashion Illustration for Designers
4. Wood Dorothy, The Practical Encyclopedia of Sewing

5. Aitken Leila, Step by Step Dress Making
6. Armstrong Helen Joseph, Pattern making for fashion design
Aldrich Winifred, Metric Pattern Cutting for Women.

Course code: 4001

Breakup: 3-1-0-4

Course name: Apparel Marketing & Management

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Students will demonstrate effective understanding of relevant local functional areas of marketing management and its application. |
| CO-2 | Students will demonstrate analytical skills in identification and resolution of problems pertaining to global marketing management. |
| CO-3 | Students will demonstrate local and national marketing management. |

Course details:

Unit I:

Organization of the Apparel Business: Introduction to apparel industry - organization of the apparel industry types of exporters Business concepts applied to the apparel industry - International trade.

Unit II:

Marketing: Functional organization of an apparel firm. Responsibilities of a marketing division - marketing objectives and Strategies - Marketing research - Types of markets: Retails and wholesale strategies for merchandise distribution- retailers - sourcing flows and practices. Marketing plan. Labeling and licensing.

Unit III:

Merchandising: Definition of merchandising - functions of merchandising division - Role and responsibilities of a merchandiser - different types of buyers -Communications with the buyers - awareness of current market trends – product development - line planning line presentation.

Unit IV:

Sourcing: Need for sourcing - sourcing materials - manufacturing resources planning - principles of MRP – Overseas sourcing - sourcing strategies. Supply chain and demand chain analysis - Materials management for quick response - JIT technology

Unit V:

Documentation: Order confirmation, various types of export documents, Pre-shipment Post- shipment documentation, Terms of sale, payment, shipment etc. Export incentives: Duty drawback, DEPB, I / E license - exchange control regulation - foreign exchange regulation acts - export management risk - export finance. WTO / GATT / MFA - Functions and objectives, successes, and failures.

Reference Books:

1. D. Sinha, - " Export Planning and Promotion ", - IIMS, Calcutta (1989).
2. Tuhin K. Nandi., - " Import - Export Finance ", - IIMS, Calcutta (1989).
3. Elaine Stone, Jean A. Samples., - "Fashion Merchandising ", McGraw Hill Book Company (1985) ISBN: 0 - 07 - 061742 - 2.
- 4.S. Shivaramu., - "Export Marketing - A practical guide to Exporters ", Wheeler Publishing (1996) ISBN: 81-7544-166-6
5. Koontz & Heinz, Principles of Management

6. Easey Mike, Fashion Marketing
7. Kotler Philip, Marketing Management
8. Constantino Maria, Fashion Marketing & PR
Nicholas Alexander, International Retailing

Course Code: 4002

Breakup: 3-1-0-4

Course name: Textile Testing & Quality Control

Course Outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Selection of samples for testing – Random sampling procedures for determination of properties of fibres, yarn and fabrics. |
| CO-2 | Fabric inspection procedure its defects and their analysis. |
| CO-3 | Fabric Testing – Strength, elongation, shrinkage, thickness, cover, air permeability, crease recovery, stiffness, weight, repellence drape |
| CO-4 | Factors affecting regain of textile materials and their global effects on fibres properties. |

Course details:

Unit I:

Typical sequence of processes. Object and methods Singeing, Desizing, Scouring, Synthetic Fiber Heat setting, Wool carbonizing, Weighting of silk. Wet processing equipment – kier – J box – pad roll – U box – Roller bed – Conveyor steamer – stenter.

Unit II:

Mercerization – Theory process - Methods – Chemicals – effects. Bleaching – Hypo chlorites – Hydrogen peroxide – sodium chlorite. Equipment's and chemicals for bleaching of cotton, viscose, cotton/ viscose Polyester/ cotton. Evaluation of bleached fabric – whiteness – absorbency – chemical damage - residues.

Unit III:

Dyeing – Classification of colorants – fastness properties of dyes Dyeing – classification of colorants – fastness properties of dyes. Dyeing machines – fiber, yarn and fabric dyeing machines – loose stock fiber bale – hank package – jigger – winch – HT Beam jet – padding mangles. Garment dyeing machines.

Unit IV:

Styles of printing – direct – discharge – resist styles. Methods of printing – screen printing – Automatic screen printing – roller printing – rotary printing – transfer printing. Fixation and after treatment.

Unit V:

Wet processing of Knitted fabric – scouring – Bleaching dyeing – printing calendaring. Shrink controlling - steaming. Wet processing of polyester, Nylon, silk, wool and their blends.

Reference Books:

1. Elliot B Grover, Dame S Hamby, Handbook of textile testing and quality control
2. JE Booth, Principles of Textile Testing
3. P Angappan, R Gopalakrishnan, Textile Testing
Handbook of Textile Testing and Quality Control by Grover and Hamby

Course code: 4003

Breakup: 3-1-0-4

Course name: Textile Wet Processing –II

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Introduction to wet processing, Dyeing- Introduction, classification, and application of dye |
| CO-2 | Different local Printing methods |
| CO-3 | Finishes and different methods |
| CO-4 | Garment wet processing |

Course details:

Unit I:

Typical sequence of processes. Object and methods Singeing, Desizing, Scouring, Synthetic Fiber Heat setting, Wool carbonizing, Weighting of silk. Wet processing equipment – kier – J box – pad roll – U box – Roller bed – Conveyor steamer – stenter.

Unit II:

Mercerization – Theory process - Methods – Chemicals – effects. Bleaching – Hypo chlorites – Hydrogen peroxide – sodium chlorite. Equipment's and chemicals for bleaching of cotton, viscose, cotton/ viscose Polyester/ cotton. Evaluation of bleached fabric – whiteness – absorbency – chemical damage - residues.

Unit III:

Dyeing – Classification of colorants – fastness properties of dyes Dyeing – classification of colorants – fastness properties of dyes. Dyeing machines – fiber, yarn and fabric dyeing machines – loose stock fiber bale – hank package – jigger – winch – HT Beam jet – padding mangles. Garment dyeing machines.

Unit IV:

Printing styles of printing – direct – discharge – resist styles. Methods of printing – screen printing – automatic screen printing – roller printing – rotary printing – transfer printing. Fixation and after treatment.

Unit V:

Wet processing of Knitted fabric – scouring – Bleaching dyeing – printing calendaring. Shrink controlling - steaming. Wet processing of polyester, Nylon, silk, wool and their blends.

Reference Books:

1. Amran Hossain Eron, Dyeing and Chemical Technology of Textile Fibers.
NIIR Board of Consultants & Engineers, the Complete Technology Book on Textile Spinning, Weaving, Finishing and Printing.

Course code: 4004

Breakup: 4-1-0-5

Course name: Computer Application in Fashion Industry

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Creation of Design., Creation of various weaves. |
| CO-2 | Be able to use CAD to aid the design and visualization of global fashion and clothing |
| CO-3 | Be able to use CAD/CAM for the processes of pattern manipulation and garment and accessory construction |
| CO-4 | Understand the potential effects of current national technological developments on the fashion industry. |

Course details:

Unit I:

Classification of computers, computer generations, computer specification, organization of computer sections. Types of storage devices (primary and secondary), input devices, output devices.

Unit II:

Role of computers in fashion industry – Information flow – CAD, CAM, CIM, CAA, PDC
– Definition and functions. Computers in production planning and production scheduling, computerized color matching system.

Unit III:

CAD in designing Textile designing – Weaving, Knitting and printing. Creating embroidery designs. Garment designing – 2D and 3D forms.

Unit IV:

CAD in pattern making and grading – system description – information flow – process involved in pattern making, process involved in pattern grading.

Unit V:

Computer application in fabric defect checking, laying / spreading, cutting marker planning, labeling – parts and functions. Computerized sewing machines.

Reference Books:

1. Jinlian Hu, Computer Technology for Textiles and Apparel
2. R Sheela John, Dr S Amsamani, Computers in the Garment Industry
3. Ellen Rosen, Making Sweatshops: The Globalization of the U.S. Apparel Industry

Course code: 4005

Breakup: 0-4-0-2

Course name: Textile Testing Lab

Course outcome: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Student's menstruated expertise about various types of texting standards and its application. Get clear concepts on global qualitative and quantitative method of fibres identification. |
| CO-2 | Acquire clear concepts on fibres moisture, yarn fineness & yarn twist. Will be able to Yarn count Testing. |
| CO-3 | Students will be able to Yarn Twist Testing. |
| CO-4 | Students will be able to Abrasion resistance testing. Students will be able crease recovery testing |

Course details:

Testing of the fabrics

Exercise1:

Yarn count testing

Exercise 2:

Yarn twist testing

Exercise 3:

Satin

Exercise 4:

Stiffness testing

Exercise 5:

Abrasion resistance testing

Exercise 6:

Crease recovery testing

Exercise 7:

Crimp testing

Exercise 8:

Shrinkage testing

Exercise 9

Crease recovery testing.

Reference Books:

1. Elliot Brown Grover, Dame Scott Hamby, Handbook of textile testing and quality control
2. Textiles: Performance Tests and Evaluations; Textile Testing Laboratory Manual
3. John E. Booth, Principles of textile testing: an introduction to physical methods of testing textile fibers, yarns, and fabrics
- K. Amutha, a Practical Guide to Textile Testing are – Coral draw, Photoshop, Illustrator

Course code: 4006
Course name: E- Design Lab

Breakup: 0-0-4-2

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Familiar with finite precision computed -Learning instructional design models.. |
| CO-2 | e-Facilitation and e-Moderation |
| CO-3 | Local and national level Online Assessment Strategies |
| CO-4 | Learning global Technologies for Increased Engagement |
| CO-5 | Online local and national Communication and Collaboration |
| CO-6 | Show the importance of systems analysis and design in solving complex problems.Show how the object-oriented approach differs from the traditional approach to systems analysis and design |

Course details:

Designing in Corel Draw

Exercise 1:

Creating motifs / small designs

Exercise 2:

Creating logos for branded companies

Exercise 3:

Creating labels; Name label, Size label, Care label

Exercise 4:

Creating text effects in CorelDraw

Exercise 5:

Creating Textures and background in CorelDraw

Exercise 6:

Designing visiting cards, posters and greeting cards.

Exercise 7:

Drawing fashion silhouettes in CorelDraw

Exercise 8:

Designing Children's garments; Jabla, A-line frock, Baba suit Exercise 9:

Designing Women's garments; Middy and top, Sal war kameez, Nightie

Exercise 10:

Designing Men's garments; Single Breasted Vest, T-Shirt, Kurta pyjama

Course code: 4007

Breakup: 1-0-6-4

Course name: Pattern making and garment construction (woman's wear)

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Students will gain the understanding regarding different garment components and their construction. |
| CO-2 | Students will be able to stitch sleeves, necklines, and other parts of garments. Students will be able to construct complete garment |

Course details:

Designing, drafting, and constructing the following garments for the features Prescribed- List the measurements required and materials suitable- Calculate the cost of the garment - Calculate the material Required-Layout Method and Direct Measurement Method.

EXERCISE 1

BASIC BLOCKS FOR WOMEN'S WEAR

Close fitting dress block (Sheath silhouette) Semi fitted dress block (Shift silhouette)

Straight line dress block (Box fitting silhouette)

EXERCISE 2

DRESSES, ADAPTATION OF BASIC BLOCKS TO DRESSES

EXERCISE 3

JEANS/ TROUSERS

EXERCISE 4

INDIAN ETHNIC WEAR

Reference Books:

1. Clothing for Fit and Fashion (Illustrated Guide to Sewing)
2. Sarah Veblen, the Complete Photo Guide to Perfect Fitting
Alison Smith, the Sewing Book (Dk)

Course code: 4008

Breakup: 0-0-4-2

Course name: Computer Application in Fashion Industry Lab

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Role and importance of computer in global apparel industry. |
| CO-2 | Digital printing and CAD on textile product design |
| CO-3 | 3D garment design and modeling techniques |

Course details:

Unit I:

Elements of woven design, Methods of fabric representation, draft and lifting plan, construction of elementary weaves – plain, wrap rib, weft rib, twill, modification of twills, satin and sateen weaves – their derivatives.

Unit II:

Ordinary and brighten honeycomb, its modification, hack a back and its modifications, crepe weaves, mock leno.

Unit III:

Extra warp and extra weft figuring – single and two colors, planting, backed fabric, warp and weft backed fabrics.

Unit IV:

Pile fabric – Formation of pile – weft pile – plain back, twill back – length, density and fastness of pile – corduroy weft plush. Warp pile – Terry pile, with the aid of wires, face to face warp pile.

Unit V:

Double cloth –classification, self-stitched – faces to back, back to face, both. Centre stitched – warp and weft. Interchanging double cloth.

Reference Books:

Watson W., Textile Design & color: Elementary Weaves & Figured Fabrics

Course code: 4009
Course name: Value Education

Breakup: 3-0-0-9

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will understand of global value-based living. |
| CO-2 | Students will gain deeper understanding about the purpose of their life. |
| CO-3 | Students will understand and start applying the essential steps to become good local or national leaders |
| CO-4 | Students will contribute in building a healthy nation |

Course details:

Unit I:

Values-Meaning, Nature, and their importance. Relation between needs and values hierarchy of values, place of values in character development and education.

Unit II:

Awareness of one's self-Definition of self, assessing oneself. Self-Management – self- discipline, Ambition, self-confidence, Determination, Motivation, Self-control, Self- satisfaction. Personal values –Humility and simplicity, Sympathy and empathy, Honesty, and commitment. Life-skills for individual and social living. Behavioral values-good manners at home and outside, openness through word and action. Role of religious values, religious tolerance, Truthfulness to self and others. Leadership as a life skill, Leadership in other Life skill, Interpersonal and intrapersonal skills.

Unit III:

Intervention strategies of value education and assessment of value pattern. Krathwohl's Taxonomy of Education: Objective selection of value as recommended by NCERT, National Policy on Education and constitution of India. Models of Value education, rationale Building Model –The consideration Model –Value analysis model –Value clarification Model-Social Action Model-Jurisprudential Enquiry Model, Role Playing model, Cognitive Moral Development Model, and value Discussion Model.

Unit IV:

Understanding family Life-Definition of family, Family life in the context of rapidly changing society. Organizing family life- Responsibility, Mutual respect, Sharing and caring, Accommodation and adjustment, individual interests. Family interests. Providing continuity in traditional Values-Traditional norms and family norms changing values-joint families Vs. Nuclear families, Family responsibilities in the changing societal and living standards. Learning to live together –Definition of society, Units of Society-Community living social awareness, Equity, Equality and brotherhood. Challenging the diversities –Value differences, Sex and gender

Related issues, Differences of opinions, tolerance, Conflicts, Avoidance of conflicts Dialogue, Confliction resolution, and Social responsibility.

Unit V:

Professional values, National and International values, Planning and organizing for transition in the changing work Culture-Definition of profession, Vocation and career, Professional values and ethics, Professional Competence, devotion and confidence, professional efficiency, Accountability and Responsibility. Transition in the world of work- Learning as a dynamic process in the world of Work-Awareness of the changing career options, Understanding the work culture, Willingness to change, team Spirit. Knowledge of Indian Constitution –Basic values of citizens. Global village –Global values, values of health and health care population and environmental issues, Aggression and violence, Deviance, Discrimination, Drugs, Racial and ethnic relations.

Reference Books:

1. Beyer, B.K. (1971) - Inquiry in the Social Studies Class-room, a strategy for teaching, Columbus, Ohio, Charles E. Merrill Publishing.
 2. Beyer, B.K. and Penna, AX (1971) - Concepts in Social Studies, Washington, D.C., National Council for the Social Studies.
 3. Bower, William C. (1952) - Moral and Spiritual Values in Education, Lexington, university of Kentucky Press.
- Budhanda Swami (1983) How to Build Character A Primer: Ramakrishna Mission, New Delhi

Course name: Fabric & Garment Care

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Having an ability to apply mathematics and science in engineering applications. |
| CO-2 | Having a clear understanding of the related concepts and of contemporary issues. |

Course details:**Unit I:**

Water- hard and soft water, methods of softening water. Laundry soaps – Manufacture of soap (Hot process, cold process), composition of soap, types of soap, soap less detergents, chemical action, detergent manufacture, advantages of detergents.

Unit II:

Finishes – Stiffening Agents – Starch (cold water and hot water), other stiffening agents.
Preparation of starch. Laundry blues, their application.

Unit III:

Laundry equipment – for storage, for steeping and Washing – Wash board, suction washer, wash boiler, washing machine. Drying equipment's – outdoor and indoor types. Irons and ironing board – types of iron (box, flat, automatic, steam iron). Ironing board – different types.

Unit IV:

Principles of washing – suction washing, are washing by kneading and squeezing, washing by machine - Process details and machine details. Laundering of different fabrics – cotton and linen, woolens, colored fabrics, silks, rayon and nylon.

Unit V:

Special types of Laundry – waterproof coats, silk ties, leather goods, furs, plastics, lace. Dry cleaning – using absorbents, using grease solvents. Storing – points to be noted. Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration
/ Mildew, tar, turmeric and kum- kum. Care labels – washing, bleaching, Drying, ironing and different placements of label in garments.

Reference Books:

1. Julie Gallagher Clothing Care Basics: Tips for Fabric Care, Clothing Storage, and Saving Money by Keeping Your Favorite Clothes Looking Good Longer
2. D. Noemi Souza, Fabric Care
Cheryl Mendel son, Laundry: The Home Comforts Book of Caring for Clothes and Linens

Course code: 5002

Breakup: 3-1-0-4

Course name: Apparel Quality Management

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Relate the factors that decide the cost of global apparel products. |
| CO-2 | Obtain knowledge in financial management and budgeting process in apparel industry. |
| CO-3 | Attain global knowledge in calculating the raw materials and accessories to derive the basic apparel products |

Course details:

Unit-I

Meaning of quality, testing and standard and their importance in apparel industry – Quality terminologies – Sources of international standards. Quality Parameters of yarn: Yarn evenness & hairiness and their effect on fabric quality. Quality parameters of fabric: Brief study of fabric pilling resistance, bursting strength, color fastness and dimensional stability. Testing of sewing threads, zippers, fusible interlinings, buttons, and fasteners.

Unit II:

Inspection: Incoming and raw material inspection: Fabric inspection – 4-point system. In process/ on-line inspection: Advantages – Online inspection during spreading, pattern making, cutting, sewing and ironing. Final inspection: Sampling plans and AQL charts – Level of final inspection. Packing & packaging quality tests. Care labeling and international care symbols.

Unit III:

Principles of TQM – Deming's PDCA Cycle - KAIZAN concepts – 5, S applications in apparel industry. Application of seven QC tools in apparel industry.

Unit IV:

Understanding of ISO 9001:2000 standards: QMS, management responsibility, resource management, product realization and measurement analysis & improvement – Various documents required for ISO 9001:2000 implementation and its contents – Development of quality system manual for garment industry.

Unit V:

Documented procedures required for ISO 9001:2000 implementation – Procedures for internal quality audit – Management review meeting – Certification process – Surveillance audit.

Reference Books:

1. Paula J. Myers-Mc Davit, Apparel Production Management and the Technical Package
Ruth E. Gluck & Grace I. Kunz, Apparel Manufacturing: Sewn Product Analysis, 4th Edition.

Course code: 5003

Breakup: 3-1-0-4

Course name: Visual Merchandising

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Understand the importance of festivals and holidays in visual merchandising. |
| CO-2 | Understand local and national brands promotion techniques. |
| CO-3 | Recognize the life expectancy of visual display |
| CO-4 | Identify the types of visual merchandise |

Course details:

Unit I:

Introduction to Visual Merchandising (VM): Introduction, Objectives, Concept of Visual Merchandising, Objectives of Visual Merchandising, Growth of Visual Merchandising, Visual Merchandising in India, Scope of visual merchandising in India, Visual Merchandising as a Support for Positioning Strategy, Prospects of Visual Merchandising, Challenges in Visual Merchandising, the common challenges, Ways to overcome the visual merchandising challenges.

Unit II:

The Merchandise Mix: Introduction, Objectives, Concept of Merchandise Mix, Merchandise line, The Assortment of Products, Assortment strategy, Merchandise Mix of Show Off, Role of a merchandiser, Other Atmospherics in Merchandising, Color scheme, Lighting.

Unit III:

Store Management in Merchandising: Introduction, Objectives, Types of Stores, Location of a Store, Types of retail locations, planning a Store Layout, Various Types of Store Layouts, Grid layout, Forced-path layout, Free-form layout, Boutique layout, Combined layout, Store Space Allocation, Heads of space allocation in a store, Managing Customer Navigation in a Store, General Rules of Customer Traffic in a Store, The Loop for Guiding the Shoppers through a Store.

Unit IV:

Store Design and Display: Introduction, Objectives, Concept of Store Design and Display, Objectives of store design, Purpose and importance of display, Rules of display planning, Display Settings, Store Design, Exterior of a store, Interior of a store, Window displays, Merchandise Presentation Strategies, Color blocking, other techniques of merchandise placement, Physical materials used to support the display, Components of display, Some Useful Display Fixtures, Shelves, Gondolas, Round racks, Four ways, Saccades and fixation, Replenishes, Plano ramming.

Unit V:

Store Image & Security: Introduction, Objectives, Concept of Image Mix, Elements of Image Mix, Merchandise, Fixtures, Sound/Music, Odor, Visuals, Employees, Elements that Levy Negative Impact on Shoppers, Change of Image, Security Issues.

Unit VI:

Managing Communication for a Retail Store Offering: Introduction, Objectives, Marketing Communication, and Thematic Communication, Methods of Communication, Graphics, and Signage.

Reference Books:

1. Swati Bhalla & Anurag Singha, Visual Merchandising
2. Robert Colborne, Visual Merchandising: The Business of Merchandise Presentation
- Paul J. Russell, Field Visual Merchandising Strategy: Developing a National In-store Strategy Using a Merchandising Service Organization

Course code: 5004

Breakup: 3-1-0-4

Course name: Apparel Costing & Export Documentation

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Prepare the relevant documents required for garment export. Prepare documents to global import specified goods |
| CO-2 | Prepare documents for pre-shipment and post – shipment procedure of specified good |
| CO-3 | Compute the pricing for export of global promotion council. |

Course details:

Unit I:

Cost estimation of yarn, knitted fabric, dyeing, printing & finishing. Cost estimation for cutting, stitching, checking, forwarding, shipping and insurance –INCO terms & their relationship with costing. Estimation of factory cost for vest, briefs, shorts, T-Shirts, pajamas, children's wear and women's wear. Various factors to be considered in costing for domestic products & international products.

Unit II:

Introduction – Apparel Export Promotion Council and its role – Registration formalities – Registration cum membership certificate – Import Export code – RBI code. Benefits and incentives offered by Government of India to garment export. Role of SEZ and apparel parks in export.

Unit III:

Need, rationale and types of documents relating to goods – Invoice – Packing note and list – Certificate of origin – Certificates related to shipment – Mate receipt – Shipping bill – Certificate of measurement – Bill of lading – Air waybill – Documents related to payment – Letter of credit – Bill of exchange – Letter of hypothecation – Bank certificate for payment – Document related to inspection – Certificate of inspection – GSP and other forms. Importance of insurance of goods in foreign trade – ECGC and its role.

Unit IV:

Import license – Procedure for import license – Import trade control regulation procedure – Special schemes – Replenishment license – Advance license – Split up license – Spares for after sales service license – Code number – Bill of entry.

Unit V:

Pre shipment inspection and quality control – Foreign exchange formalities – Pre shipment documents. Shipment of goods and port procedures – Customs clearance.

Reference Books:

1. Chuter A.J. Introduction to clothing production management
 2. Giolleo and Berks Fashion Production Terms
- Mehta Pradeep V - Managing the Quality in Apparel Industries – New age International (P) Ltd

Course code: 5005

Breakup: 0-0-8-4

Course name: Pattern Making & Garment Construction (women wear)

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Students will be able to develop the existing designs of women and men wear. |
| CO-2 | Students will be equipped with the knowledge and confidence to respond creatively to a design brief within the women's wear global market |

Course details:

Exercise 1:

Sari, Petticoat- Six Panel, Decorated bottom.

Exercise 2:

Skirts – Circular/umbrella/panel with style variations.

Exercise 3:

Blouse- front open, Fashioned neck, Waist band at front, with sleeve.

Exercise 4:

Sal war (or) Churidar (or) Parallels (or) Bell Bottom.

Exercise 5:

Kameez – with /without slit, with or without flare, with /without opening, with or without panels, with /without yoke.

Exercise 6:

Nightie –With yoke, front open, with sleeve, full length.

Exercise 7:

Ladies pant- waist band, zip attached, tight fitting / parallel pants.

Exercise 8:

Short kurta / top – Decorative / surface design in tailored placket, with or without collar.

Exercise 9:

Single Breasted Vest – with/ without collar, button attached, sleeveless.

Exercise 10:

Full sleeve shirt – full open, shirt collar, patch pocket, full sleeve with cuff.

Exercise 11:

Kalidar kurtha – kali piece, side pocket, round neck, half open.

Exercise 12:

Pajama- Elastic /Tape attached waist.

Exercise 13:

Pleated trousers – pleats in front, Darts at back, side pocket, fly with button /zip. Exercise 6. T- Shirt –open collar, zip attached.

Exercise 7:

Bermuda's –patch pocket

Reference Books:

1. Wood Dorothy, The Practical Encyclopedia of Sewing
2. Aitkin Leila, Step by Step Dress Making
3. Armstrong Helen Joseph, Pattern making for fashion designAldrich Winifred, Metric Pattern Cutting for Women

Course code: 5006

Breakup: 0-0-8-4

Course name: Design collection lab

Course outcomes: At the end of the course, a student will be able to:

| | |
|-------------|--|
| CO-1 | Students will acquire skills of creating a trend forecast that is a fundamental requisite while working as a fashion designer/ merchandiser. |
| CO-2 | They will be able to create a sustainable design with limited local resources which is an essential quality of a designer, merchandiser or researcher. |
| CO-3 | They will acquire proficiency in using mix media to create design boards which is a trend widely followed by global fashion industry worldwide for designing purposes. |
| CO-4 | Students create a professional designer's portfolio which is their identity in global fashion market/world. |

Course details:

Each collection will incorporate supporting design process as follows, -

Exercise2:

Mood board

Exercise3:

Story board

Exercise4:

Fabric development

Exercise5:

Design development

Exercise6:

Range development

Exercise7:

Pattern Making & Development of Final Collection

Exercise8:

Flats and specifications

Exercise9:

Cost sheet.

Course code: 5007
Course name: CAD Lab-II

Breakup: 0-0-4-2

Course outcome (CO): At the end of the course, a student will be able to:

| | |
|-------------|---|
| CO-1 | Students will be able to perform local or national complex design analysis in short time. |
| CO-2 | Students will be able to learn different software's for designing. |
| CO-3 | Students will be able to develop and conceptualize their designs and creations. |

Course details:

Exercise 1

: Monochromatic color harmony - Analogous color harmony - Complementary color harmony Double Complementary color harmony - Split complementary color harmony Triad color harmony - Tetrad color harmony - Neutral color harmony.

Exercise 2:

Applications of Principles of design in dress design.

Balance –Formal and informal - Rhythm – by line movement, gradation, repetition. Emphasis- Proportion - Harmony

Exercise 3:

Design Garments for the following. Party Wear – Women, Men, Children.

Exercise 4:

Design Garments for the following.

Sports Wear- Tennis - Basketball/football (men and Women), Golf, any other - Fashion show – Children, men and women -

Exercise 5:

Design Garments for the following.

Winter Wear - Children, men and women –

Exercise 6:

Design Garments for the following.

Summer Wear - Children, men and women - Spring Wear - Children, men and women

Exercise 7:

Design Garments for the following.

School uniforms – Preschool, school, higher secondary and college going students- boys and girls.

Course code: 5008

Breakup: 0-0-8-4

Course name: Fashion Draping Lab

Course outcomes (CO): At the end of the course, a student will be able to:

| | |
|------|--|
| CO-1 | To produce efficient, reliable, robust and cost-effective software solutions. |
| CO-2 | Ability to perform independent global research and analysis. |
| CO-3 | To communicate and coordinate competently by listening, speaking, reading, and writing English for technical and general purposes. |
| CO-4 | Ability to work as an effective member or leader of software engineering teams. |

Course details:

LIST OF EXPERIMENTS

1. Draping of the basic Blocks for Men's and Women (top and bottom)
2. Draping for Men's trouser (pleats and Flange)
3. Draping for Women's Tops (application of Dart manipulation principle)
4. Draping for Women's Bottoms (skirts, pants – Added fullness techniques Gatherings and pleats)
5. Draping for children's dresses
6. Draping for Dungaree and work wear
7. Creative Draping
8. Draping of cowls & twists for Women

Reference Books:

1. Jaffe and Rellis, Draping for Fashion Design
 2. Amaden Connie - Crawford, the Art of Fashion Draping
- Armstrong Helen Joseph, Draping for Fashion Design

Course code: 6001

Breakup: 3-1-0-4

Course name: Retail Management

Course outcomes (CO): At the end of the course, a student will be able to:

| | |
|------|---|
| CO-1 | Clarify the concept and related terms in retailing. |
| CO-2 | Comprehend the ways local retailers use marketing tools and technique to interact with their customers. |
| CO-3 | Understand various formats of retail in the industry. |
| CO-4 | Recognized and understand the operations-oriented policies, method and procedures used by successful retailers in today's global economy. |

Course details:

Unit 1:

Introduction to Retailing: Concept of retailing, Functions of retailing, Terms & Definition, Retail formats and types, Retailing Channels, Retail Industry in India, Importance of retailing, changing trends in retailing.

Unit 2:

Understanding the Retail Consumer: Retail consumer behavior, Factors influencing the Retail consumer, Customer decision making process, Types of decision making, Market research for understanding retail consume.

Unit 3:

Retail Market Segmentation and Strategies: Market Segmentation and its benefits, Kinds of markets, Definition of retail strategy, Strategies for effective market segmentation, and Strategies for penetration of new markets, Growth strategies and retail value chain.

Unit 4:

Retail Location Selection: Importance of retail locations, Types of retail locations, Factors determining the location decision, Steps involved in choosing a retail location, Measurement of success of location.

Reference Books:

1. Barry Berman, Retail Management
2. Gibson G. Vedamani, Retail Management
U. C. Mathur, Retail Management: Text and Cases

Course code: 6002

Breakup: 4-1-0-5

Course name: Event Management

Course outcomes (CO): After successful completion of the course, the learners would be able to

| | |
|-------------|--|
| CO-1 | Obtain a sense of responsibility for the multi –disciplinary nature of event management |
| CO-2 | Gain confidence and enjoyment from involvement in the global industry of event management. |
| CO-3 | Identify the key elements of a conferences and the process involved in localvenue selection, registration, catering, accommodation, transport, teeming, security and entertainment |
| CO4 | Identify management essentials such as developing budgets, critical paths, work breakdown structures, risk mitigation and contingency planning. |

Course details:

Unit 1:

Events, their need and management, Events and Event Management: What are events, Types of event & Event Management, Understanding Events - Events as a communication tool? Events as a marketing tool The Need: Why do we need events; Growing importance of events like, exhibitions, seminars and conventions worldwide

Unit 2:

Principles of event management planning, Creativity, Event feasibility, The competitive environment Setting realistic objectives, Taking a brief, Time lines and budgeting.

Unit 3:

Marketing Event Management, The marketing mix, Branding, Market segmentation, Pricing, Advertising and marketing the event, Promotion, Market research, International marketing

Unit 4:

Sponsorship, Core principles of sponsorship, why companies sponsor, Elements of good sponsorship Identifying appropriate sponsors and sponsorships, managing sponsorship relationships.

Unit 5:

PR in Event Management, Creating a PR plan for your event, Press and broadcast media relations, Getting material onto TV and radio, Briefing journalists, Preparing press releases and press packs, Commissioning and briefing photographers, Maximizing publicity opportunities for your event.

Reference Books:

1. Lynn Van Der Wagen, Event Management
Event Management: A Booming Industry and an Eventful Career

Course code: 6003

Breakup: 2-1-0-3

Course name: Home Furnishing

Course outcomes: After successful completion of the course, the learners would be able to

| | |
|-------------|---|
| CO-1 | To gain the basic knowledge of global furnishing the residential and other spaces. |
| CO-2 | To gain better understandings as regard brief various materials, finishes etc. and their uses in interiors. |
| CO-3 | To apply one's aesthetics and creative abilities in making local and national functional interiors. |
| CO-4 | To gain better understanding as regard the history of furniture, Anthropometric data in space designing for various activities. |

Course details:

Unit I:

Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles.

Unit II:

Floor and wall coverings – definition, types of floors covering –hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering- definition, uses, care and maintenance of wall coverings.

Unit III:

Door and window treatments –definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of Curtains –draw, tailored, pleated, café, three tier curtains. Types of Draperies – swags. Accessories- rods hook, rails, racks, curtain tape pins.

Unit IV:

Soft furnishings for living and bed linen. Introduction to living and bedroom linens, types-sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.

Unit V:

Soft furnishings for kitchen and dining, types of kitchen linens – kitchen towel, aprons, dish cloth, fridge, grinder and mixer covers, mittens, fridge holders –their uses and care. Types of dining- table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels-uses and care. Bathroom linens – types, uses and care.

Reference Books:

1. Kight K, A Field Guide to Fabric Design
2. Parkas K, Traditional Indian Motif's for Weaving & Textile Printing
3. Karen Coetzee, The Complete Book of Soft Furnishings, V. Ramesh Babu, Home Furnishing (Wood head Publishing India in Textiles)

Course code: 6004

Breakup: 0-0-0-8

Course name: Project & Viva Voce

Course outcomes (CO): After successful completion of the course, the learners would be able to

| | |
|-------------|---|
| CO-1 | In a specialization domain of his/her choice, students' manager will be able to choose an appropriate for study and will be able to clearly formulate & research problem. |
| CO-2 | Student's manger will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners. |
| CO-3 | For a selected research topic , students manager will be able to Compile the relevant literatures and frame hypothesis for research as applicable. |

Course details:

Every student will be assigned the Final Project at the end of the Fifth Semester.

The Final Project will be pursued by him/her under the supervision of an internal supervisor in the Sixth semester. The student will make his/her final project on the subject/theme approved by the Director of the Institute/HOD in the fifth semester.

The Project Reports (induplicate) both hard & soft copy will be submitted by the students at least four weeks prior to the date of commencement of the End-Term Examination of the Sixth Semester. At the time of viva, the students will make a Power Point Presentation of the Final Project.

The Project Report carries 100 Marks. It will be evaluated by External and Internal Examiners separately from out of 50 marks each.

Course code: 6005

Breakup: 0-0-0-10

Course Name: Internship

Course outcomes (CO): After successful completion of the course, the learners would be able to

| | |
|-------------|--|
| CO-1 | Develop work habits and attitudes necessary for job success. |
| CO-2 | Build a record of work experience. |
| CO-3 | Acquire employment contacts leading directly to a full-time job following graduation from college. |
| CO-4 | Identify, write down, and carry out performance objectives (mutually agreed upon by the employer, the MCC experiential learning supervisor, and the student) related to their job assignment |
| CO-5 | Develop communication, interpersonal and other critical skills in the job interview process. |

Course details:

- Students will be asked to go for 3 days internship training during final semester.
- Students will be given a case study during the internship, and they have to submit a report there on at the end of the semester, on dates announced by the institute / department. The guidelines for training will be providing by the institute.
- A team consisting of internal experts will evaluate the record and conduct the viva voce at the end of the final semester.