

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]
COIMBATORE - 641 029
B.SC COSTUME DESIGN AND FASHION
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
[APPLICABLE TO THE STUDENTS ADMITTED DURING THE
ACADEMIC YEAR 2017-2018 ONWARDS]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam marks			Duration of Exam. (hours)	Credits
					CIA	ESE	Total		
I	I	16TML1A1	Language -Tamil I @	6	25	75	100	3	3
	II	15ENG101	Language - English for Literary and Career Orientation	6	25	75	100	3	3
	III	17UCD101	C.P.1 – Pattern making	5	25	75	100	3	4
		17UCD1CL	C.Pr.1– Basics of Apparel Designing	6	40	60	100	4	3
		16UCD1AL	Allied.Pr.1 Surface Ornamentation	5	40	60	100	3	5
	IV	15EVS101	Environmental studies**	2	-	50	50	3	2
II	I	15TML2A2	Language-Tamil II @	6	25	75	100	3	3
	II	15ENG202	Language - English II	6	25	75	100	3	3
	III	16UCD202	C.P.2 – Fiber To Yarn	3	25	75	100	3	3
		17UCD203	C.P.3- Fashion Designing and Fashion Psychology	3	25	75	100	3	4
		17UCD2CM	C.Pr.2 – Apparel Designing- Kids Wear	5	40	60	100	4	3
		17UCD2AM	Allied. Pr.2. Fashion Sketching	5	40	60	100	3	5
		16VED201	Value Education – Moral & Ethics**	2	-	50	50	3	2
III	III	15UCD31T	# Internship Training in Textile Unit	Grade					
		16UCD304	C.P.4– Weaving	5	25	75	100	3	4
		16UCD305	C.P.5 – Garment Production machineries	4	25	75	100	3	4
		17UCD3CN	C Pr.3 – Apparel Designing- Women's Wear	6	40	60	100	4	3
		17UCD3CO	C.Pr.4. Fashion Illustration	5	40	60	100	3	3
		15UCD3A1	Allied.P.1- Accounting and Export Management	6	25	75	100	3	5
	IV	15UCD3S1	Skill based subject 1 – Introduction to Textile Testing	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** / Non Major Elective-I Human Rights**	2		75		3	2
IV		16UCD406	C.P.6 - Knitting	4	25	75	100	3	4
		17UCD407	C.P. 7- Textile Processing	5	25	75	100	3	4

	III	16UCD4CP	C Pr. 5 - Textile Processing	5	40	60	100	3	3
		17UCD4CQ	C Pr.6 - Apparel Designing - Men's wear	6	40	60	100	4	4
		15UCD4A2	Allied P. 2 - Fundamentals of Research and Statistics	6	25	75	100	3	5
	IV	15UCD4SL	Skill based subject 2 – Textile Testing I practical	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective II** Women's Rights	2		75		3	2
V	III	15UCD5IT	# Internship training in Textile Unit	Grade					
		16UCD508	C.P.8- Introduction to Technical Textiles	6	25	75	100	3	4
		15UCD509	C.P.9 – Apparel Marketing & Merchandising	5	25	75	100	3	4
		17UCD5CR	C.Pr. 7. Accessories and Jewellery Making	6	40	60	100	4	4
		17UCD5CS	C.Pr.8 - Computer Aided Design I	6	40	60	100	4	3
		15UCD5E1	Major Elective I	5	25	75	100	3	5
	IV	15UCD5SM	Skill Based subject-3 Textile Testing II practical	2	40	60	100	3	3
VI	III	16UCD610	C.P.10. Visual Merchandising and Display	6	25	75	100	3	5
		17UCD6CT	C.Pr.9. Computer Aided Design – II	6	40	60	100	4	3
		17UCD6Z1	Project Work***	6	20	80	100	-	5
		16UCD6CU	C.Pr.10 Home Furnishing	5	40	60	100	3	3
		15UCD6E2	Major Elective II	5	25	75	100	3	5
	IV	16UCD6S2	Skill Based subject 2 – Apparel Quality Inspection and Standards	2	25	75	100	3	3
	V	NSS/ NCC/ YRC	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

@Hindi / Malayalam/ French/ Sanskrit- 15HIN/MLM/FRN/SAN 101-202

*No End-of-semester Examinations. Only Continuous Internal Assessment (CIA)

**No Continuous Internal Assessment (CIA). Only End-of-semester Examinations (ESE).

***Project record 60 marks; Viva voce 20 marks.

Major Elective Papers

Two papers are to be chosen from the following **Five papers**

1. Organization of Garment Unit
2. Global Fashion Market
3. Fabric Care
4. Basics of Draping
5. Historic Costumes of India

Non-Major Elective papers

1. Human Rights
2. Women's Rights

Part-wise total marks:

	Part	SUBJECT	MARKS	TOTAL MARKS	CREDITS
1.	I	Language – Tamil/ Hindi/ Malayalam/ French /Sanskrit	200	200	6
2.	II	English	200	200	6
3.	III	Core – Theory/Practical / Project	2100	2700	77
		Allied	400		20
		Electives	200		10
4.	IV	Basic Tamil/ Advanced Tamil (OR) Non Major Elective	150	650	4
		Skill Based Subject	400		12
		Environmental Studies	50		2
		Value Based Education	50		2
5.	V	Extension activities	50	50	1
		TOTAL MARKS	3800	3800	140

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End Semester Examinations

- ❖ 25% CIA is applicable to all Theory subjects under Part I, Part II, and Part III.
- ❖ CIA not applicable for subject under part IV except skill based subjects.

The students of B.Sc., Costume Design and Fashion course shall undergo two weeks Internship Training at the end of the second and fourth semester (during summer vacation) and submit the report during the third and fifth semester. The report will be evaluated for 100 marks along with the Internal Viva-Voce by respected Faculty. According to their marks, the Grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U(Reappear)

***Project work which carries 100 marks. Students should select a topic for project work in the beginning of VI semester and submit the Project Report (Dissertation) at the end of the VI semester. There is a Viva – voce for the project work. The Internal and the External Examiner shall jointly evaluate the project work and conduct the Viva – voce.

- **Job Oriented Course (JOC)** offered by the Department
 1. Fashion Designing
 2. Basics of Cosmetology
 3. Value Addition of Fabric-Dyeing
 4. Printing techniques
 5. Jewelry making
- **Diploma Courses** offered by the department
 1. Fashion Design
 2. Garment Merchandising
 3. Garment Manufacturing Technology

MARKS SPLIT - UP FOR THEORY AND PRACTICALS CIA AND ESE

1. Break up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
Total		25

2. Components of Practical:

Break up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
Total		40

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total	-	60

3. Component for Project:

CIA / ESE	Particulars	Project Out of 100 Marks (UG)
CIA	Project Review	15
	Regularity	5
	Total Internal Marks	20
*ESE	Project Report	60
	Viva Voce	20
	Total External Marks	80
Total Marks(CIA+ESE)		100

* Project report and Viva voce will be evaluated jointly by both the Project Supervisor (faculty of the Department) and an External Examiner.

QUESTION PAPER PATTERN for CIA and ESE

Theory

Maximum marks 75

Section A (10 x 1 = 10 marks)

Q.No. 1 to 10 : Multiple Choice Questions

Section B (5 x 5 = 25 marks)

Q.No. 11 to 15 : Either or / short notes type questions (one question 'a' or 'b' from each unit).

Section C (5 x 8 = 40 marks)

Q.No. 16 to 20 : Either or / essay type questions (one question 'a' or 'b' from each unit).

UCD 01
SEMESTER I
C.P.1. PATTERN MAKING

17UCD101

OBJECTIVE:

- To impart skills in basic techniques of pattern making and dart manipulation.
- To study the method of pattern grading and draping.
- To learn the skills of standardizing body measurements and preparing commercial pattern

(Total Hours-75)

CREDITS: 4

UNIT I

(14 hours)

BODY MEASUREMENTS – Importance, Preparation for measuring, Girls and Ladies measurements, Boy's and Men's measurements. Standardizing body measurements – Importance, Techniques used. Relative length and girth measurements. Preparation of standardized measurement chart

UNIT II

(16 hours)

DRAFTING – Methods of pattern making, Types of paper patterns, Pattern making tools, Steps in drafting Bodice front, Bodice back, Sleeve, Skirt front and Skirt back - Study of commercial pattern - Merits & Demerits. Fitting – Standards of a good fit, Steps in preparing a blouse for fitting, checking the fit of a blouse. Dart Manipulation- Technique-Slash - Spread and Pivotal. Preparation of commercial pattern for kids .

UNIT III

(15 hours)

DRAPING - Draping -Definition and Meaning, Need for draping, Importance of Draping Technique, Advantages and Disadvantages – Tools and Equipments used for Draping, Preparation of dress form. Importance of grain, preparation of Muslin Material: straightening, tearing, and pressing.

UNIT IV

(16 hours)

GRADING AND PREPARATION OF FABRIC FOR CUTTING – Grading- Introduction and importance of grading, Manual Grading of basic bodice – front and back, Sleeve, skirt and Collar - Computerized Grading. Basic terms: Grain, Selvage, On grain, Off Grain, Off Grain Print, With the Grain; Against the Grain, Importance of Grain in Fabric Cutting and Garment Construction, Preparing the Fabric For Cutting, Checking each end of the fabric and straightening it, Methods of straightening fabric ends, Checking and straightening the fabric grain, Methods of straightening fabric grain, Shrinking fabrics.

UNIT V

(14 hours)

PATTERN LAYOUT – Pattern layout - Definition, Purpose, Rules in layout, Types of layout - (methods), and Special layouts. *Piecing, Transferring pattern markings Stay stitching and Ease stitching.

*** SELF STUDY**

UCD 02

TEXT BOOK

1. Cutting and Tailoring Course, Gayatri Verma and Kapil Dev, Asian publishers, 2006.
2. Cutting and Tailoring Theory – Verma Kapil Dev, Asian Publishers, New Delhi, 2005.
3. The Practical Guide to Pattern Making for Fashion Designers, Lori A. Knowles, Fair Child Publications, Inc, New York, 2005.
4. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras, 1985.

REFERENCES:

1. Pattern Making for Fashion Design-.Helen Joseph-Armstrong Pearson Education Inc, 2006
2. The Art of Fashion Draping, III Edition, Connie Amaden- Crawford, OM Books International, 2005.
3. Encyclopedia of Dress Making, Rahul Jewel, AP.H, Publishing Corporation, New Delhi, 2005
4. Designing Patterns: A Fresh Approach to Pattern Cutting - Hillary Campbell, Stanley Thornes Publishers Ltd. 2000.

UCD 03
SEMESTER I
C.Pr.1 BASICS OF APPAREL DESIGNING

17UCD1CL

OBJECTIVE

- To impart knowledge and skills required for garment designing.
- To impart practical exposure in basic sewing techniques.
- To impart the skills of draping.

(Total hours - 90)

CREDITS: 3

I. SEWING OPERATIONS

Operation of sewing machines, safety measures while using sewing machine, Preparation of fabric for sewing, handling of fabrics-cotton, synthetic, satin, crepe, denim, velvet, stitch length and needle size.

II. SEAMS AND SEAM FINISHES

(17 hours)

Plain, Single Top Stitch, Double Top Stitch, Welt, Lapped, Slot, Flat Fell, French, Mantua Maker's, Piped Seam. Seam finishes - Edge stitch, Double Stitch, Herringbone. Hems-Seam binding, Rolled or Whipped finish, Shell Edged.

III. FULLNESS:

(18 hours)

Darts - Single Pointed, Double pointed. Tucks - Pin, Piped or Corded, Shell or Scalloped, Cross tucking, Pleats - Knife, Box, Inverted, Kick, Pinch, Cartridge Godets, Flares, Gathering - Hand, Machine, Using elastic, with cord piping. Shirring or gauging, ruffle – Single, Double, Circular Ruffle.

IV. NECK FINISHES, PLACKETS, YOKE & FASTENERS

(19 hours)

Neck Finishing- Bias facing, Single Bias binding, French binding. Plackets - Continuous bound, Two-piece, Zipper, Bound neck, Centre front / back placket. Yoke- Plain yoke, Yoke with fullness within the yoke, Yoke supporting / releasing fullness. Fasteners - Button and button holes, Snap fasteners, Hooks and Eyes, Zip.

V. SLEEVES, COLLARS AND POCKETS

(18 hours)

Various styles of Set – in – Sleeves- Plain, Puff at top. Modified armhole Sleeve and Bodice combined - Raglan. Collar - Peter pan collar, Sailor, Full shirt, Chinese, Shawl collar. Pockets – Patch, Pocket in a seam.

TEXT BOOKS

1. Cutting and Tailoring Course, Gayatri Verma and Kapil Dev, Asian Publishers, 2006.
2. Zarapker System of Cutting – K R Zarapker, Navneet Publications Ltd, New Delhi. 2005.

REFERENCE

1. Dress Making- Thangam Subramaniam, Bombay Tailoring and Embroidery College, Chennai, 2006

UCD 04
SEMESTER II
C.P.2 FIBER TO YARN

16UCD202

OBJECTIVE

- To impart the knowledge of fibres, their sources, identification and properties
- To provide students with the knowledge of yarn and its classification.
- To inculcate the knowledge of fiber production and conversion to yarn.

(Total hours - 45)

CREDITS: 3

UNIT I

(9 hours)

INTRODUCTION TO TEXTILES – Importance of Textiles, Definition of Fibers, Classification of fibers – Natural and Man-made, Primary and Secondary characteristics of Textile fibers

UNIT II

(9 hours)

NATURAL FIBERS - Manufacturing process, Properties and Uses of Natural fibers – Cotton, Jute, Silk, Wool and Hair fibers. Non conventional fibers- Introduction, properties and uses of Hemp, Abaca, Sisal, Coir, Pineapple and Agave.

UNIT III

(9 hours)

MAN-MADE FIBERS - Manufacturing process, Properties and Uses of Man-made fibers – Viscose rayon, Acetate rayon, Nylon, Polyester, Acrylic.

UNIT IV

(9 hours)

ADVANCED SPINNING METHODS - Spinning sequence - Blending, Opening, Cleaning, Carding, Doubling, Combing, Drawing, Roving and Spinning. Open End spinning, Friction spinning, Electrostatic spinning, Vortex spinning, Air-jet spinning, Wet and Dry spinning, Melt spinning, Bicomponent spinning, Biconstituent spinning, Integrated Composite spinning.

UNIT V

(9 hours)

YARN CLASSIFICATION–Yarn definition, Yarn twist, Yarn count, Classification–Simple - Single, Ply, Cord - Fancy yarns - *Spiral / Cockscrew, Slub, Flake, Snarl, Knot boucle and Loop.

*** SELF STUDY**

TEXT BOOKS

1. Comdex Fashion Design, vol-I Fashion Concepts, Navneet kaur, Dream Tech press, New Delhi, 2010
2. Textile Raw Material – Ajay Jindal, Rakesh Jindal, Abhisek Publications, Chandigarh, 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, Mc Graw Hill Book Co, Singapore, 1985

REFERENCE

1. Textiles, Sara J.Kadolph Pearson Education India Pvt. Ltd., New Delhi, 2009.
2. Animal Textile, Rastogi, M, Sonali Publications, New Delhi, 2009
3. Fundamentals of Textiles and their care–Susheela Dantyagi, Orient Blackwan, Ltd., New Delhi, 2006.
4. A Textbook of Fibre Science and Technology, SP Mishra, New Age International Publishers, 2005
5. Fabric Science, Joseph J Pretal, Fairchild Publications, New York, 5th edition, 1990

UCD 05
SEMESTER II

17UCD203

C.P.3.FASHION DESIGNING AND FASHION PSYCHOLOGY

OBJECTIVES

- To enable students to gain knowledge of elements and principles of design.
- To understand the fashion design concept and factors influencing fashion changes.
- To enable students to design garments for various figure irregularities.

(Total hours - 45)

CREDITS:4

UNIT I

(9 hours)

FASHION TERMINOLOGIES – Fashion, Fad, Style, Classic, Collection, Custom made, Mannequin, High fashion, Trend, Avant- garde, Bridge, Buying house, Fashion merchandising, Fashion cycle, Forecasting, Haute couture, Couture, Couturier, Pre- a-porter. **DESIGN** – Definition and types – Structural and Decorative design. Elements of a design – Line, Shape or form, Colour, Size and texture.

UNIT II

(9 hours)

PRINCIPLES OF DESIGN – Balance – Formal and Informal, Rhythm – Through repetition, Radiation and Gradation, Emphasis – Grouping of design units, Using contrast hues, By leading lines, A combination of any of the above, Repeating details such as Tucks, Gathers, Unusual Shapes and Textures, Applied design on a contrast background, Harmony and Proportion.

UNIT III

(9 hours)

COLOUR – Colour- Definition, Dimensions of colour, Psychological effects of colour. Colour theories- Prang and Munsell, Colour harmonies - Monochromatic, Analogous, Complementary, Double complementary, Spilt complementary, and Triad colour harmony.

UNIT IV

(9 hours)

FACTORS INFLUENCING FASHION CHANGES – Psychological, Social, Technological, Economical, Political, Legal and Seasonal influence. **FASHION EVOLUTION** – Fashion cycles, Consumer groups in fashion cycles – Fashion leaders, Fashion innovators, Fashion motivation, Fashion victims, Fashion followers. Adoption of fashion – Trickle down, Trickle up and Trickle across theory.

UNIT V

(9 hours)

WARDROBE PLANNING AND DESIGNING DRESSES FOR FIGURE IRREGULARITIES

Wardrobe planning for different age groups, factors influencing wardrobe selection, Fashion and season, Designing dresses for various occasions – business meetings, parties/ dinners, evenings/ leisure hours, marriage functions, sports, uniforms for civil services, air hostess **DESIGNING DRESSES FOR FIGURE IRREGULARITIES** – Becoming and Unbecoming of Stout figure, Thin figure, Large bust, Flat chest, Large hip, small face, Large face, Prominent forehead, Narrow shoulders, *Broad shoulders

*** SELF STUDY**

UCD 06

TEXT BOOKS

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dream Tech Press, New Delhi, 2010
2. Fashion from Concept to Consumer, Seventh Edition, Gini Stephens Frings, Pearson Education, 2006
3. Fashion Studies – An Introduction, Payal Jain, Anand Publications Pvt., Ltd., India, 2005.
4. The Dynamics of Fashion, Elaine Stone, Fair Child Publications, New York, 2001.

REFERENCES

1. Introduction to Fashion Technology - Pooja Khurana and Monikasrthi, Firewall Media Pvt, Ltd., New Delhi, 2007.
2. Handbook of Garment Manufacturing Technology, EIRI Board, Sudhir Gupta, Delhi, 2006.
3. Elements of Fashion and Apparel Design – Sumathi. G.J., New Age International Publishers, New Delhi, 2002.

UCD 07
SEMESTER II
C.Pr.2. APPAREL DESIGNING – KID’S WEAR

17UCD2CM

OBJECTIVE

- To gain practical skill in drafting, pattern making and constructing selected kid’s wear.

(Total hours - 75)

CREDITS : 3

- ✓ **Designing, drafting and constructing the following garments with the given features.**
- ✓ **Construction of the garments based on any theme with specification sheet**
- ✓ **Material requirements**
- ✓ **Required measurements – Direct measurement method**
- ✓ **Cost Calculation of the garment.**

GARMENTS TO BE STITCHED IN WOVEN FABRIC:

- I. JUST BORN SET- JABLA, PANTY AND BIB** – with /without sleeve, with opening
HEAD CAP, GLOVES, BOOTIES AND BED – with elastic / card. **(15 hours)**

- II. SUMMER FROCK** - yoke at chest line, with opening, any type of sleeve, and skirt with fullness, Neckline Variations- shaped and decorative facing with collar. **ROMPER** - knickers or panty attached, with center front/ back opening, neckline – French binding. **(16 hours)**

- III. CONSTRUCTION OF YOKE FROCK** - yoke at chest line, with opening, any type of sleeve, and skirt with fullness, Neckline Variations- shaped and decorative facing with collar. To be constructed as stage garment. **(14 hours)**

GARMENTS TO BE STITCHED IN KNITTED FABRIC:

- IV. T-SHIRT** – with / without placket, collar, sleeve- kimono / circular
KNICKER - elastic waist, side pocket / bound pocket **(14 hours)**

- V. MIDI** - gathered, layered or pleated skirt
MIDI TOPS – Variation in neckline, collar - rippled / turtle neck, and sleeve **(16 hours)**

TEXT BOOK

1. Zarapkar System of Cutting, - K R Zarapker, Navneet publications, New Delhi. 2005.

REFERENCES

1. Cutting and Tailoring Course – Gayatri Verma & Kapil Dev, Asian Publishers, New Delhi, 2005
2. The complete Book of Sewing – Bety Hosegood, Dorling Kindersley Limited, London, 1996.

UCD08
SEMESTER III
C.P. 4. WEAVING

16UCD304

OBJECTIVES

- To acquire knowledge of the different types of fabric structures and design
- To enable the students prepare woven designs with suitable draft and peg plan.
- To enable the students to gain knowledge of different Weaving machines and weaving Mechanism

(Total Hours-75)

CREDITS: 4

UNIT I

(16 hours)

WEAVING- Definition, History of Weaving, Characteristics of woven fabric. Calculation of warp and weft, Sizing – sizing agents and process, Warping process, Dressing the loom, Winding the warp, Threading the loom.

UNIT II

(15 hours)

LOOM – History and classification of looms, Hand loom its Parts & functions - Shedding, Picking, Beating up (Battening) and Taking up and letting off. *Selvedge, Fabric Count.

UNIT III

(15 hours)

MODERN LOOMS - Automatic, Shuttle less, Air jet, Water jet, Rapier, Projectile, Multiphase weaving machines. Advantages and disadvantages.

UNIT IV

(14 hours)

WEAVES - Basic weaves – Plain, Twill weave, Satin and Sateen weave and derivatives. Design, draft and peg plan for Plain weave, Twill weave.

UNIT V

(15 hours)

FANCY WEAVES – Construction, Properties and Uses - Dobby, Jacquard, Crepe, Gauze, Pile, Double cloth

Preparing record – Picture of looms, Collection of different Basic and Fancy weave fabrics, peg plan draft for basic weaves and its variations.

*** SELF STUDY**

TEXT BOOKS:

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dream Tech press, New Delhi, 2010
2. Fabric Structure and Design, - N.Gokarneshan, New Age International, New Delhi. 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, International Students Edition, Mc Graw Hill Book Co, Singapore, 1985

REFERENCES:

1. Fabric Studies, Kanwar Variender Pal Singh, Kalyani Publications, New Delhi, 2009.
2. Modern Weaving Technology – J. K. Arora, Aghisek Publications, Chandigarh, 2002.
3. Weaving – Conversion of Yarn to Fabric -P.R.Lord, M.H. Mohamed, Woodhead Publishing Limited, 1998.

C.P.5 . - GARMENT PRODUCTION MACHINERIES**OBJECTIVE:**

- To inculcate knowledge on working mechanism of Sewing machine and other related machines.

(Total hours - 60)**CREDITS: 4****UNIT I****(12hours)**

SEWING MACHINES – Classification of sewing machines, Parts and functions of single needle machine, Over lock machine, Bar tacking machine, Button hole making machine, Button fixing machine, Feed-of-the-arm machine, Blind stitching machine, Fabric examining machine. Special attachments, Care and maintenance, Common problems and Remedies

UNIT II**(12 hours)**

STITCHING MECHANISM – Needles, Bobbin and Bobbin case, Bobbin winding, Loops and Loop spreader, Threading finger, Upper and Lower threading, Throat plates, Take-ups, Tension discs – Upper and Lower thread tension, Stitching auxiliaries, *Pressure foot and its types.

UNIT III**(12hours)**

MARKER PLAN & SPREADING - The planning drawing and reproduction of the marker - Requirement, Efficiency , Methods of marker planning and marker use, Spreading -lay process - Requirements, Tools used - Methods of spreading and quality requirements in spreading.

UNIT IV**(12 hours)**

CUTTING AND PRESSING– Definition, function, scope. Cutting equipments and tools, hand shears, straight knife, round knife, band knife computer controlled cutting knives, die-cutters, laser cutting ,plasma cutting ,water jet cutting and ultrasonic cutting, quality requirements in cutting. Pressing Equipments – purpose and methods – iron, steam press, steam air finisher, steam tunnel, special types – pleating, permanent press.

UNIT V**(12 hours)**

SEWING FEDERAL STANDARDS - for stitch and stitch classification, federal standards for seam and seam classification, Fabric sewability, Sewing threads – types - Properties - essential qualities of a sewing thread, ticket numbering and its importance, Manufacturing process of cotton and synthetic threads.

*** SELF STUDY****TEXT BOOK**

1. Handbook of Garment Manufacturing Technology, EIRI Board, Sudhir Gupta, Delhi 2006.
2. The Technology of Clothing Manufacture – Harrold Carr and Barbara Latham, Blackwell Science, 1994.

REFERENCE

1. Reader's Digest Sewing Guide, Complete Guide for Sewing, 13th Edition, The Reader's Digest Association Inc, Pleasant Ville. 2004.
2. Managing Productivity in Apparel Industry, Rajesh Bheda, CBS publishers and Distributors, 2003

C.Pr.3 APPAREL DESIGNING – WOMEN’S WEAR**OBJECTIVE**

- To gain practical skill in drafting, pattern making and constructing selected Women’s wear.

(Total hours - 90)

CREDITS: 3

- ✓ **Designing, drafting and constructing the following garments with the given features.**
- ✓ **Construction of the garments based on any theme with specification sheet.**
- ✓ **Material requirements**
- ✓ **Required measurement – Direct measurement method**
- ✓ **Cost Calculation of the garment.**

GARMENTS TO BE STITCHED IN WOVEN FABRIC:

- I. SAREE PETTICOAT**– panel type, decorated bottom-pleated/ruffles **(17 hours)**
NIGHTIE–with yoke, front open, with sleeve, full length.

- II. SALWAR** - Churidhar / palazzo / culottes / Patiala – Cord / Elastic, with Zipper
KAMEEZ / KURTA– with / without slit, with / without flare, with tailored placket / without opening, with / without panels, with / without yoke **(19 hours)**

- III. DESIGNER SAREE and BLOUSE / GHAGRA and CHOLI** - fashioned neck, waist band at front, with Sleeve, back / front opening to be constructed as stage garment. **(19 hours)**

GARMENTS TO BE STITCHED IN KNITTED FABRIC:

- IV. SKIRT**–circular / gathered / wrap round / divider skirt / tier skirt / pencil skirt -with waist band and
TOPS- Variations in neckline, with or without collar, with or without sleeve **(17 hours)**

- V. NIGHT SUIT TOP** - variations in tops, with or without yoke, with or without Yoke, collar , with or without pocket, with or without placket.

PANTS - with pockets, elastic/ waist band, flare / pleats. **(18 hours)**

TEXT BOOKS

1. Zarapker System of Cutting – K R Zarapker, Navneet Publications Ltd, New Delhi. 2005.

REFERENCE

1. Dress Making- Thangam Subramaniam, Bombay tailoring and Embroidery college, Chennai. 2006.

UCD11
SEMESTER III
C.Pr.4 FASHION ILLUSTRATION

17UCD3CO

OBJECTIVES

- To gain practical skill in sketching various head theories
- To impart practical knowledge in sketching various garments styles for men, women

(Total hours - 75)

CREDITS: 3

I.DRAWING STICK, FLESH AND FREE HAND CROQUIE

(15 hours)

Drawing Stick, flesh and Free hand croquie for Men / Women.

II. SKETCHING DIFFERENT TEXTURES AND RENDERING

(15 hours)

Sketching different textures- denim, chiffon, velvet, knitted, wool, felt, fur, quilting and lace, Rendering- Textured material (any two) –Prints –Checks –Plaids on the Croquie.

III. SKETCHING DIFFERENT TYPES OF NECKLINES, COLLARS, SLEEVES, SKIRTS, PANTS & LADIES TOPS

(15 hours)

NECKLINES - Bottle neck, V neck, Halter, Asymmetric necklines, COLLARS - Peter pan, Shirt, SLEEVES - Different types of short sleeves, and long sleeves. SKIRT-Tulip, Six gore, Wrap around, Layered, Godget Skirts on fashion figure, PANTS-, Sketching various ladies tops.

IV. CREATING ILLUSTRATION WITH VARIOUS GARMENT STYLE- I

(15 hours)

Casual wear, Winter Wear, Summer wear for Men, Women with suitable accessories, hair styles and backdrop.

V.CREATING ILLUSTRATION WITH VARIOUS GARMENTS-STYLE-II

(15 hours)

Bridal Wear, Party wear and Sportswear for Men, Women with suitable accessories, hair styles and backdrop.

TEXTBOOK

1. Fashion Rendering, Ranjana Singhal, Kannari Bharat, OM books International, 2010
2. Pencil Shading, Basic Techniques, Raviraj, New Century Book House Pvt Ltd, Chennai, 2007

RERERENCE

1. Fashion Sketch Book, Bina Abing, 4th Edition, Om Books International, New Delhi, 2004

UCD 12
SEMESTER IV
C.P.6.KNITTING

16UCD406

OBJECTIVE:

- To enable students gain knowledge in knitting and its types
- To acquire knowledge of the different types of Knitted fabric structures and design

(Total hours - 60)

CREDITS:4

UNIT I

(12 hours)

KNITTING – Definition, Classification and history, Difference between weaving and knitting. Types of Knitting – Hand and machine, Characteristics of Knitted goods. Difference between warp and weft knitting.

UNIT II

(12 hours)

PRINCIPLES OF KNITTING - General terms in Knitting, Principles of knitting technology, Parts of Knitting machine, Machine knitting needles – Types and functions, Knitting cycle, Knitting notations – Verbal, Graph, Diagrammatic and Symbolic.

UNIT III

(12 hours)

WEFT KNITTING – Basic stitches – Knit, Purl, Miss and Tuck ; Weft knitted fabrics, structure and their properties - Single jersey, Purl, Rib , Jacquard, Pile, Double knit, Interlock; Weft knitting machines classification – Circular and Flat machines.

UNIT IV

(12 hours)

WARP KNITTING – Lapping variations – Warp knitted fabrics - Tricot, Raschel, Simplex and Milanese and their structure and properties; Types of warp knitting machines - Single bar, Two bars and Multi bar machines.

UNIT V

(12 hours)

KNITTED GARMENTS - Classification of knitted garments - Fully cut, Stitch shaped cut, Fully fashioned integral. Defects in knitted material, Care and maintenance of Knitted material – *Washing, Drying, Ironing, Storing. Finishing of cotton and polyester knitted fabrics.

Preparing record – knitting machines and their parts, collection of different knitted samples

*** SELF STUDY**

TEXT BOOKS:

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dream Tech Press, New Delhi, 2010
2. Fundamentals of Knitting, N. Anbumani, New Age Publishers, 2007
3. Knitting Technology - D B Ajgoanker, Universal Publishing Corporation, Mumbai, 2006.

REFERENCE:

1. Fabric studies, Kanwar variender pal singh, Kalyani publications, New Delhi, 2009.
2. Knitting Technology, Manmeet Sodhia Varinder Pal Singh, Kalyani Publishiers, Ludhiana, 2003
3. Knitting technology, David Spencer, Pergamen Press, Oxford, 1982.

UCD 13
SEMESTER IV
C.P.7.TEXTILE PROCESSING

17UCD407

OBJECTIVE:

- To enable the students to learn Textile preparatory processes.
- To familiarize with the principles of processing textiles.

(Total hours -75)

CREDITS: 4

UNIT I

(14hours)

PREPARATORY PROCESSES – Need for processing and its classification, basic finishes – singeing or gassing, scouring, bleaching(different methods), mercerizing, sizing, and calendaring - Aesthetic finishes: Luster – glazed, moiré, Schreiner, Comfort related finishes: water repellent, Anti-static. Biological control finishes – Moth and Mildew, Anti bacterial, Anti fungi. Control Safety related finishes – flame retardant Enzymes-Introduction, types and its application for textile processing

UNIT II

(15 hours)

DYEING – Dyes – Classification and Fastness properties of dyes, direct, vat, reactive, acid, basic, azoic dyes. Vegetable dyes – types used, significance of vegetable dyes.

UNIT III

(16 hours)

STAGES OF DYEING – Fibre, yarn, fabric and garment – process involved advantages and limitations. Methods of Dyeing; Batch dyeing – Winch, Jig, Padding, Package dyeing, Combination dyeing, machines used and process involved.

UNIT IV

(15hours)

PRINTING –Introduction to printing, differences between printing and dyeing, preparation of fabric for printing – Cotton, Linen, Polyester, Wool and Silk, Methods of printing, preparation of printing paste, selection of thickening agents. Printing process, drying after printing, Dye stuff fixation, Final treatment.

UNIT V

(15hours)

METHODS OF PRINTING – Types, preparation of screen, printing process, Discharge printing – chemicals used, process involved. Resist printing:, batik printing, Tie and dye Process sequence and techniques used. - Direct printing: *Block printing, Stencil printing

*** SELF STUDY**

TEXT BOOKS

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneet kaur, Dream Tech Press,New Delhi,2010
2. Textiles-Fabrics and their Selection, Wingate IB, Allied Publishers, Chennai, 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, Mc Graw Hill Book Co,Singapore, 1985

REFERENCES:

1. Thickening Agents and Emulsion Thickenings in Textile Printing – Herbert Barthm, New Delhi, 1994.
2. Understanding Textiles -Phyllis G.Tortora, Collier Macmillan Publishers, London 1982.

UCD14
SEMESTER IV
C.Pr.5.TEXTILE PROCESSING

16UCD4CP

OBJECTIVE:

- To enable students get practical exposure in basic preparatory process, dyeing and printing

(Total hours-75)

CREDITS: 3

I. PREPARATION OF SAMPLES FOR PROCESSING

(14 hours)

Desizing , Scouring, Bleaching, Mercerizing

II. DYEING THE GIVEN FABRIC USING SUITABLE DYE

(16 hours)

Direct dye, Sulphur dye, Vat dyes, Disperse dyes, Reactive dyes,
Acid dyes, Basic dyes, Natural dyes (any one)

III. CREATE DESIGN WITH BLOCK PRINTING

(15 hours)

Preparation of Printing Paste-vegetable / wooden blocks,
All over design (single or double colour)
Border design (single or double colour).

IV. A) STENCIL PRINTING –

(15 hours)

Create design for chest prints or neck or yoke designs with
Stencil printing - single or double colour

B) Tie and dye designs

Methods – Tying, Tritic, Marbling, object, Knotting, Stripes, checks, Bandhani and
Shibori - Single colour/ Double colour/ Multi colour

V. A) BATIK PRINTING

(15 hours)

Single colour, Double colour and Multi colour

B) Screen printing method- Single colour, Double colour and Multi colour

Preparation of a product – Garment / Home Decors - using anyone of the above techniques.

TEXT BOOK:

1. Textiles Fabrics and Their Selection, - Wingate IB, Allied Publishers, Chennai, 2006.
2. Fundamentals of Textiles and Their Care – Susheela Dantyagi, Orient Longmann Ltd, 2006.

REFERENCE:

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneet kaur, Dream Tech Press, New Delhi, 2010
2. Textile Processing – J L Smith, Abhishek Publications, Chandigarh, 2003.
3. Textiles, Sara J Radolph and Anna L Langford, Prentice Hall, New Jersey, 2002.

UCD15
SEMESTER IV
C.Pr.6- APPAREL DESIGNING- MEN'S WEAR

17UCD4CQ

OBJECTIVE:

- To gain practical skill in drafting, pattern making and constructing selected Mens' wear.
- To gain practical skill in draping technique.

(Total hours-90)

CREDITS : 4

- ✓ **Designing, drafting and constructing the following garments with the given features.**
- ✓ **Construction of the garments based on any theme with specification sheet.**
- ✓ **Material requirement**
- ✓ **Required measurements – Direct measurement method**
- ✓ **Cost Calculation of the garment.**

TO BE STITCHED IN WOVEN FABRIC:

I.SB VEST-Double sided, bound pocket. **(17 hours)**

SHIRT – Full open, Shirt collar, Patch pocket, Half / Full sleeve with cuff.

II.FULL SHIRT – Full open, Shirt collar, Patch pocket, Half / Full sleeve with cuff. **(17 hours)**

PLEATED TROUSERS – Pleats in front, Darts at back, Side pocket, Fly with Button/zip

III KURTA – Side pocket, Round neck, Half open with tailored placket, with / without kali **(20 hours)**

PYJAMA - Elastic/tape attached waist / **DOTHI** to be constructed as stage garment

TO BE STITCHED IN KNITTED FABRIC:

IV.T- SHIRT – Front half open, Zip attached, With collar **(18 hours)**

TRACK SUIT / BAGGY PANT - Elastic waist bands and piping at the sides

V. HOOD T-SHIRT –With/ Without zipper placket

BERMUDAS – with elastic band, side / patch pocket **(18 hours)**

TEXT BOOK

1. Zarapkar System of Cutting, - K R Zarapker, Navneet publications, New Delhi. 2005.

REFERENCES

1. Cutting and Tailoring Course – Gayatri Verma, Kapil Dev, Asian Publishers, New Delhi, 2005
2. The Complete Book of Sewing – Bety Hosegood, Dorling Kindersley Limited, London, 1996 .

C.P.8- INTRODUCTION TO TECHNICAL TEXTILES

OBJECTIVE

- To inculcate the knowledge of Technical Textiles and its end uses **(Total hours- 90)**

CREDITS: 4

UNIT- I

(18 hours)

TECHNICAL TEXTILES – Introduction, Definition, Classification, *Applications & end uses.

PACKAGING TEXTILES- Introduction, General properties and end uses, **AGRO TEXTILES** - Introduction, General properties and end uses

UNIT – II

(18 hours)

GEO TEXTILES –Introduction, General properties and end uses. **INDUSTRIAL TEXTILES** - Introduction, General properties and end uses. **BUILD TEXTILES** - Introduction, General properties and end uses

UNIT – III

(18 hours)

MEDICAL TEXTILES – Introduction, General properties and end uses. **HOME TEXTILES** – Introduction, General properties and *end uses.

UNIT- IV

(18 hours)

PROTECTIVE TEXTILES -Introduction, General properties and end uses. **MOBILE TEXTILES** - Introduction, General properties and end uses. **ECO TEXTILES** --Introduction, General properties and end uses

UNIT- V

(18 hours)

NON-WOVEN ITS PREPARATION AND APPLICATION IN TECHNICAL TEXTILES – Definition of Nonwoven – Classification - Fibers used - Web preparation - Parallel laid - Cross laid and Random laid web preparation. Bonding –its types. Nonwovens in Technical Applications -end Uses

***SELF STUDY**

TEXT BOOKS

1. Technical Textiles-Anand and A.R.Horracks, Textile Institute, 2006..
2. Non-wovens - Arul Dahiya, MG Kamath, Raghavendra R Hedge and Monika Kannadnguli, 2006.
3. Hand Book of Technical Textiles – A R Horrocks and S C Anand, wood Head publishing Ltd, England 2000.

REFERENCE

1. Nonwoven Fabrics: Raw Materials, Manufacture, Applications, Characteristics, Testing Processes, Wilhelm Albrecht, Hilmar Fuchs, Walter Kittelmann John Wiley & Sons, 2006

C.P.9. APPAREL MARKETING AND MERCHANDISING

OBJECTIVE

- To enable the students to know various marketing concepts in Apparel Industry. **(Total hours -75)**

CREDITS: 4

UNIT I

(13 hours)

MARKET AND MARKETING FUNCTION - Meaning and Classification, Marketing, Fashion marketing, market - Levels of market, Marketing environment – Micro and Macro marketing environment. Marketing Function – Definition, Buying, Assembling, Grading – Standardization. The fashion industry and new product development, Product – mix and range planning.

UNIT II

(14 hours)

MERCHANDISING - Merchandising - Definition, Terms used, Types - Fashion Merchandising and visual merchandising - Role of Merchandiser, Functions, Qualities and problems of Merchandiser, Coordination with various Departments- Buying House and Buying Agency.

UNIT III

(16 hours)

FASHION ADVERTISING & PRICING POLICIES - Fashion advertising and preparation of advertising for apparel market, Advertising media used in apparel market – Advantages and Limitations. Pricing policies and importance of pricing policies, Functions and Factors influencing pricing – Internal and External.

UNIT IV

(15 hours)

SALES PROMOTION & RETAILING - Personal selling, Sales promotion – Objectives and Methods, Retailing – Definition and Types- In store & Non store retailing. Organization factors contributing successful retailing.

UNIT V

(17 hours)

COSTING & BRANDING - Costing- Principle of Costing –Types –Costing of various Garments- Children's wear, Women's wear and *Men's wear. Cost Control and problems in costing. Branding -Definitions , Reasons for branding, Features of a good brand, Types of brand and advantages of Branding, Branding Stages-Brand and Brand Strategies.

*** SELF STUDY**

TEXT BOOKS

1. Fashion Marketing And Merchandising , Manmeet Sodhia and Pooja chatley,2001
2. Modern Marketing –Principles and Practices , R.S.N.Pillai and Bagavathi, 1996
3. Fashion Marketing – Mike Easey, Black well Science Ltd, 1995

REFERENCES

1. Modern Marketing: Principles and Practices – D. Chandra Bose; PH1 Learning Pvt. Ltd., 2010
2. Fashion from Concept to Consumers, 7th Edition, Gini Stephens Frings, Pearson Education, 2002
3. Advertising – C N Sonatakki, Kalyani Publishers, New Delhi, 1989

UCD-18
SEMESTER V
C.Pr.7-ACCESSORIES AND JEWELLERY MAKING

17UCD5CR

(Total hours - 90)

CREDITS: 4

OBJECTIVE:

- To impart knowledge on fashion accessories and creativity.
- To provide opportunity for skill development in designing accessories and jewelry.

Accessories and jewels to be designed with the following criteria - Design Research, Experiment with materials, Survey, Design Presentation, Surface ornamentation and Final Presentation.

UNIT I:

Hand bag, Tie, Belt and Slippers - Each two sets **(18 hours)**

UNIT II:

Hat, Wallet and Phone Pouches based on theme - Each two set **(18 hours)**

UNIT III:

Chains –Hip chain and Neck chain - Each two sets **(18 hours)**

UNIT IV:

Earing and Head Ornaments - Each two sets **(18 hours)**

UNIT V:

Bangles, Bracelet and Anklets - Each two sets **(18 hours)**

Textbooks:

1. Encyclopedia of Fashion Accessories, Phyllis Tortora, OM Books International, 2005

C.Pr.8.COMPUTER AIDED DESIGN- I

OBJECTIVE

- To impart computer knowledge in fashion designing

(Total hours - 90)

CREDITS: 3

CREATE THE FOLLOWING DESIGNS USING CAD

I. INTRODUCTION TO SOFTWARES USED IN DESIGNING

(18 hours)

Introduction to Corel Draw and Their Functions.

Developing - floral and geometric motifs for embroidery using coral draw.

II.APPLICATION OF THE ELEMENTS OF DESIGN IN THE GARMENTS

(17 hours)

Line, Shape, Form, Colour, Size, Texture.

III. APPLICATION OF THE PRINCIPLES OF DESIGN IN THE GARMENTS (19 hours)

Balance, Harmony, Emphasis, Proportion and Rhythm

IV. APPLICATION OF THE COLOUR HARMONY IN THE GARMENTS (18 hours)

Monochromatic colour harmony, Analogous colour harmony, Complementary - Direct, Double, Spilt Complementary, Triad colour harmony, Tetrad colour harmony and preparation of E-Portfolio.

V. CAD IN PATTERN MAKING

(18 hours)

CAD in Pattern drafting, grading and marker plan and maker efficiency for kid's wear – Jabla - Frock, Middi and Middi Tops.

TEXTBOOK

1. Rendering Fashion, Fabric and Prints, M.Kathleen Colussy, Steve Greenberg, Pearson Education, Inc, 2005

REFERENCE

1. Corel Draw: The official Guide, Gary David Bouton, McGraw- Hill Osborne Media ,2008
2. Zarapkar System of Cutting, - Navneet Publications, New Delhi 2005
3. Practical Clothing Construction, - Mary Mathews, Part I and II , Madras 1985.

UCD 20
SEMESTER VI
C.P.10. VISUAL MERCHANDISING AND DISPLAY

16UCD610

Objective

- Enable the students to know the components of the store
- Enable the students to know about the types of displays

(Total hours -75)

CREDITS: 5

UNIT I

(15 hours)

INTRODUCTION TO VISUAL MERCHANDISING AND DISPLAY BASICS: Definition, why do we display. Colour and Texture, Line and Composition, Light and Lighting, Types of Display and Display settings

UNIT II

(15 hours)

STORE EXTERIOR AND INTERIOR : The exterior of store signs, marquees, outdoor lighting, banners, planters, awnings, windows in store front design, store Interiors - focal points, island displays, platforms the runway, the cat walk, counters and display cases, museum cases, Demonstration cubes, Ledges, shadow boxes, enclosed displays, fascia, T- walls and 100 percent Traffic areas.

UNIT III

(15 hours)

THINGS USED FOR SUCCESSFUL DISPLAYS: Mannequins -Types, Realistic, semi realistic semi abstract, abstract, and headless mannequins, Alternatives to the mannequin three quarter forms, articulated artists figures, dress forms, cutout figures, inflatable's, drapers, hangers, lay down techniques, pinup techniques, flying techniques.

UNIT IV

(15 hours)

ATTENTION GETTING DEVICES ,FAMILIAR SYMBOLS AND SIGNAGE : Contrast, scale, repetition, Humor, mirrors, nostalgia, motion, surprise and shock, props familiar, symbols anniversaries, career fashions, back to school and college, bridal, festive occasions, clearance sales. Graphics and signage - graphics definition, graphics in retail stores signage, Drawings, size and types of signs and cards, Techniques for preparing signage, other signage Technique.

UNIT V

(15 hours)

RELATED AREAS OF VISUAL MERCHANDISING: Point of Purchase, its uses, Exhibit Types: permanent exhibits, temporary exhibits, traveling exhibit, outdoor exhibit, fashion shows. Application of Visual Merchandising in displaying Accessories and Furnishing *Career opportunities in Visual Merchandising. **Selection of any one category for Men / Women. Assembling the collection and Accessories. Developing a look / mood for the category and shooting the photography for the same.**

*** SELF STUDY**

TEXTBOOK

1. Visual Merchandising and Display, Sixth Edition, Martin M. Pegler, Bloomsbury Academic, 2011
2. Careers in Fashion and Textiles, Helen Goworek, Blackwell Publishing, 2007
3. Visual Merchandising and Display, Fifth Edition, Martin M. Pegler, Fair Child Publications, INC New York, 2006

REFERENCES

1. The world of Fashion, Second Edition, Jay Diamond and Ellen Diamond, Fairchild publications, New York, 1999

UCD 22
SEMESTER VI
C.Pr.9.COMPUTER AIDED DESIGN- II

17UCD6CT

OBJECTIVE:

- To impart computer knowledge in fashion and garment designing

(Total hours-90)

CREDITS : 3

CREATE THE FOLLOWING DESIGNS

I.INTRODUCTION TO SOFTWARES USED IN DESIGNING

(17 hours)

Introduction to Adobe Photoshop and Their Functions. Creating logos for T-shirts Create logos for branded companies. Create label for garments / companies.

II. CAD IN PATTERN MAKING

(19 hours)

Drafting Basic patterns for ladies apparel. Pattern grading for ladies apparel. (Middi & top – Salwar , Kameez – Full Gown). Marker planning and marker efficiency for ladies apparel

III. CAD IN PATTERN MAKING

(18 hours)

Basic patterns for Men's apparel. Pattern grading for Men's apparel (T-shirt, Bermudas- Kurta Pyjama- Pant, Full Sleeve Shirt). Marker planning and efficiency for Men's apparel

IV. GARMENT DESIGNING-I

(17 hours)

Garment designing and Preparation of E-Portfolio for Summer and Winter wear (Men, Women & Children's) with suitable accessories..

V. GARMENT DESIGNING - II

(19 hours)

Garment designing and Preparation of E-Portfolio for Party wear (Men & Women and Children) and Bridal wear for men & women with suitable accessories.

TEXTBOOK

1. Rendering Fashion, Fabric and Prints, M. Kathleen Colussy, Steve Greenberg, Pearson Education, Inc, 2005

REFERENCE

1. Corel Draw: The official Guide, Gary David Bouton, McGraw-Hill Osborne Media ,2008
2. Zarapkar System of Cutting, - Navneet publications, New Delhi 2005

UCD 23
SEMESTER V
PROJECTWORK
PORTFOLIO PRESENTATION

17UCD6Z1

OBJECTIVE:

- To enable students prepare and present portfolio

(Total hours- 90)

CREDITS:5

Portfolio development and presentation for any one theme/season/occasion

- Designer profile
- Theme Board / Mood Board
- Client Board
- Story Board
- Colour Board
- Fabric Board
- Trim Board
- Illustrator Board
- Mockup Board
- Pattern development and Garment construction
- Final presentation
- Number of garments in a collection – 4 garments.

UCD 24
SEMESTER VI
CPr.10- HOME FURNISHING

16UCD6CU

Objective:

- To enable students to gain practical knowledge in designing and constructing home Furnishings

(Total hours - 75)

CREDITS:3

Application of any of these for home furnishing- painting /quilting / patch /Braiding /smocking /Appliqué /cut work / Embroideries / Surface embellishments / Tucks /Pleats /Ruffles /gathers / flares / godets /any creative design.

I Living room linens (16 hours)

Sofa cover – 3 Seater, Chair covers, Bolster / Cushion, Curtain/ Draperies

II Bed linens (13 hours)

Quilt covers, Pillow cover, Foot mat and Bed spread.

III Bath linens (15 hours)

Bath mat, Dressing gown, laundry basket and Face Towels

IV Kitchen linens (15 hours)

Apron, Mitten, Pot holder, Table mat, Place mat, Napkin and Table runner

V Home decors (16 hours)

Wall Hangings –Paper craft, Photo frames, Door hangings, Letter holder

TEXTBOOK

1. Quick & Easy Home Sewing Projects, READERS DIGEST, Loria Nicol, 2005.
2. The Everything Sewing Book, Sandra Detrixhe, f +w Publications, 2004.

REFERENCE

1. Curtains, Heather Lukes, New Holland publishers, 2009.
2. Home Comforts-The Art of Keeping House, Cheryl Mendelson, Scriber, New York, 2005
3. Decorating with antique and exotic fabric Textile Style – Caroline Cufton –Mogg, Aurum press Ltd, 2003.

ALLIED

UCD 25
SEMESTER I
ALLIED. Pr.1. SURFACE ORNAMENTATION

16UCD1AL

OBJECTIVE:

- To impart practical knowledge in various surface ornamentation techniques

(Total hours - 75)

CREDITS : 5

I. INTRODUCTION AND PREPARATION OF HAND EMBROIDERY SAMPLES (15 hours)

Materials, Tools and Equipments used, Design Sources, Methods of transferring designs.

Chain, Feather, Stem, Fishbone, Fly, Satin, Herringbone, Lazy-daisy, Bullion knot and Buttonhole.

Preparation of a product using anyone of above method.

II. PREPARATION OF TRADITIONAL INDIAN EMBROIDERY SAMPLES (15 hours)

Kashida of Kasmir, Phulkari of Punjab, Chamba Rumal of Himachal Pradesh, Kashida of Bihar, Kantha of Bengal, Kasuti of karnataka, Chikankari of uttarpradesh, Kutuh of Gujarat, Toda of Nilgiris (Tamil nadu).

Preparation of a product using anyone of above method.

III. PREPARATION OF MACHINE EMBROIDERY SAMPLES (15 hours)

Straight, Granite, Cording, Satin and Long & Short.

Preparation of a product using anyone of above method.

IV. OTHER FABRIC EMBELLISHMENTS (15 hours)

Preparing samples for Mirror, Beads, Sequins, Zardosi, Stone work. Fringes and Tassels, Laces, Smocking, Cutwork, Pompons, Patchwork, Appliqué. Quilting, Crochet - one technique and Fabric painting techniques- any 2 types.

Preparation of a product using anyone of above method.

V. OTHER EMBELLISHMENT TECHNIQUES (15 hours)

Drawn thread work, Knotting, Flocking and Braiding.

Preparation of a product using anyone of above method.

TEXT BOOKS

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dreamtech press, Newdelhi, 2010
2. Dress Designing –Manmeet Sodhia, Kalyani Publishiers, New Delhi, 2001.
3. Practical clothing construction – part I and II, Mary Mathews, Cosmic Press, Chennai, 1986

REFERENCES:

1. Text Book Of Homescience – Premlathe Mullick, Kalyani Publishiers, New Delhi, 2007.
2. Reader's Digest Sewing Guide, Complete Guide for Sewing, 13th Edition, The Reader's Digest Association Inc, Pleasant Ville, 2004

UCD 26
SEMESTER II
ALLIED.Pr.2 FASHION SKETCHING

17UCD2AM

OBJECTIVE

- To enable students gain knowledge in various Sketching techniques.

(Total hours - 75)

CREDITS: 5

I. LEARNING THE TECHNIQUES

(15 hours)

Learning the usage of various drawing and sketching medium – Pencils, Ink, Charcoal, Brushes, Crayons, Water colours and Poster colours. Design- Introduction and types of design, Enlarging and reducing the design or motifs.

II. SKETCHING THE ELEMENTS AND PRINCIPLES OF DESIGN FOR BACKDROP (15 hours)

Elements - Line, Shape/Form, Colour - Prangs colour chart, Size and Texture, Principles - Balance, Harmony, Emphasis, Proportion, Rhythm

III. DRAWING THE FACIAL FEATURES

(15 hours)

Drawing frontal and side view of face , Various facial features – Lips, Nose, Eyes, and Ears. Drawing different hands & leg poses.

IV. DRAWING HUMAN ANATOMY

(15 hours)

Stick,flesh figure and free hand croquie – Boy / Girl

V. HEAD THEORY

(15 hours)

Head theory – 7 ½, 8, 10 and 12 for men / women.

TEXTBOOK

1. Pencil Shading, Basic Techniques-, Raviraj, New Century Book House Pvt Ltd, Chennai, 2007
2. Introduction to Fashion Technology, Pooja Khurana &Monika Sethi, Firewall Media Pvt.Ltd, NewDelhi, 2007

RERERENCE

1. Fashion Rendering, Ranjana Singhal, Kannaki Bharali, Om books Internationals, Noida, 2010.
2. Fashion Sketch Book, Bina Abing, 4th Edition, Om Books International, New Delhi, 2004.

UCD 27
SEMESTER III
15UCD3A1
ALLIED PAPER I - ACCOUNTING AND EXPORT MANAGEMENT

(Total Hours- 90)

CREDIT : 5

Objective:

- The basic accounting concepts,
- Preparation of final accounts,
- The various concepts of International Trade, etc.

Unit I **(18 Hours)**

Accounting - Definition and functions - Accounting Concepts and Conventions - Systems of accounting - Rules for double-entry system of book keeping - Preparation of journal and ledger accounting

Unit II **(18 Hours)**

Preparation of Trial balance – Subsidiary Books – Cash Book - Final accounts- Trading, profit & Loss accounts of balance sheet with simple adjustments

Unit III **(18 Hours)**

International Trade – Introduction, features, need and objectives –Types of International Trade – Import, Export and Entrepot Trade - Export Management-Discipline of Management – Export Manager and his role – Export Organisation – Organisation chart – Types of Exporters.

Unit IV **(18 Hours)**

Export Procedures- Offer and receipt of confirmed orders- Shipment - negotiation of documents and Realisation of export proceeds - Export Incentives -Aligned documentation System (ADS) – Standardised Export Documents

Unit V **(18 Hours)**

Export Policy – Features - Organisation and Nation- ***Recent EXIM Policy** – General Provisions – EOUs’, – SEZ – Structure of EXIM Policy.

***Self study Portions. Questions for Examination may be taken from the Self Study Portion also.**

Problem 20 % and Theory 80 %

Text Books

Financial Accounting	- Reddy T.S & A Murthy	- MarghamPublishers
International Trade		
and Export Management	- Francis Cherunilam and Varma	– Himalaya publishers
Export Management	- Balagopal T A S	- Himalaya publishers

UCD 28
SEMESTER IV
ALLIED .P.2. FUNDAMENTALS OF RESEARCH AND STATISTICS

15UCD4A2

(Total hours - 90)

CREDITS: 5

OBJECTIVE:

- To enable student to gain knowledge in basic of research.
- To gain knowledge on basic concepts of statistics to solve the modern business problem.

UNIT- I **(18 Hours)**

RESEARCH METHODOLOGY - Introduction – Definition of research – Characteristics of research – Criteria of good research – Types of research. Research problem – Selecting the problem – Technique involved in defining a problem. Research design – Meaning, Features of a good design, Developing a research plan.

UNIT- II **(18 Hours)**

SAMPLING DESIGN – Meaning of sample – Steps in sampling process – Essentials of good sampling – Methods of sampling – Probability sampling – Simple, Random and Stratified random – Nonprobability sampling – Accidental, Quota, Purposive, Convenience, Criteria of a good sample design.

UNIT- III **(18 Hours)**

DATA COLLECTION – Collection of primary data – Observation method, Interview method, Collection of data through questionnaires and schedules – Difference between questionnaire and schedules – Collection of secondary data – selection of appropriate method for data collection – Case study method – Guidelines framing questionnaire / schedule.

UNIT –IV **(18 Hours)**

MEANING AND SCOPE OF STATISTICS – Classification and Tabulation – Presentation of data by diagrams –*Bar diagram and Pie diagram – Graphical representation – Frequency distribution.

UNIT –V **(18 Hours)**

MEASURES OF CENTRAL TENDENCY – Arithmetic Mean, Median, Mode, Geometric - Their computation – Properties and uses. **MEASURES OF DISPERSION** - Range, Quartile deviation, Standard deviation and Co- efficient of variation. **CORRELATION** - Meaning and definition – Scatter diagram, rank correlation

*** SELF STUDY**

TEXT BOOKS:

1. Statistical Methods, S.P.Gupta, Sulthan Chand & Sons, New Delhi, 2008.
2. Research Methods- Methods and Techniques, C.R.Kothari, New Age International Publishers, New Delhi, 2004

REFERENCES:

1. “Business Mathematics & Statistics” Navaneetham P A, Jai Publication, 2007.
2. “Business Mathematics & Statistics” Dr. P R Vittal. Margham Publications, 2004.

SKILL BASED

UCD 29
SEMESTER-III
SKILLED BASED SUBJECT 1- INTRODUCTION TO TEXTILE TESTING

15UCD3S1

OBJECTIVE:

- To enable students to know various Fiber, Yarn and Fabric testing methods.
- To familiarize students with the different testing equipments, their underlying principles and the accepted standards, Test methods.

(Total hours - 30)

CREDITS: 3

UNIT I

(6 hours)

TEXTILE TESTING - Need for textile testing, Objectives of testing - Research, Selection of raw materials, Process control, Process development and Product testing.

UNIT II

(6 hours)

TESTING OF FIBRE- Cotton, Silk, Wool, Nylon, Polyester, Linen, Rayon, Jute, Modal - Microscopic method, Flame test, Chemical test.

UNIT III

(6 hours)

TESTING OF YARNS - Count of the yarn using wrap reel and Beesley's yarn count balance, Yarn twist using twist tester, and Crimp testing.

UNIT IV

(6 hours)

TESTING OF FABRICS - GSM, Weight, Thickness and Stiffness. Shrinkage, Strength and Elongation, Drapability, Abrasion, Color matching cabinet and *Fabric Count.

UNIT V

(6 hours)

ABSORBENCY AND COLOUR FASTNESS TEST- Absorbency tests –Sinking, Capillary Test, and Drop Test, Grey scale and its uses, Colour fastness – Sunlight, Crocking, Pressing, Perspiration, Laundering.

***SELF STUDY**

TEXT BOOKS

1. Comdex Fashion Design, vol-I Fashion Concepts, Navneetkaur, Dreamtech press, New Delhi, 2010
2. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
3. Physical Testing- Angappan, P and R. Gopalkrishnan SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
4. Principles of Textile Testing, Booth, JE, CBS Publishing, Distributors, New Delhi, 1996

REFERENCES

1. "An introduction to Quality Control for Apparel Industry" Pradip V. Mehta, ASQC Quality press, 1992.
2. Understanding Textiles, Phyllis G. Tortora, 2nd edition, Collier Macmillan publishers, London, 1982

UCD 30
SEMESTER-IV
15UCD4SL
SKILL BASED SUBJECT 2- TEXTILE TESTING -I

OBJECTIVE

- To impart practical knowledge to the students regarding testing of fibers and yarns.
- To familiarize students with the different testing equipments and testing methods.

(Total hours - 30)

CREDIT: 3

I. FIBRE ANALYSIS - VEGETABLE FIBRE

(7 hours)

Cotton, Linen, Jute.

II. FIBRE ANALYSIS - ANIMAL FIBER

(6 hours)

Silk and Wool.

III. FIBRE ANALYSIS - MANMADE FIBER

(7 hours)

Polyester, Rayon Nylon.

IV. YARN TESTING I

(5 hours)

Yarn count using Wrap reel, Beesleys yarn count.

V. YARN TESTING II

(5 hours)

Yarn Twist and Crimp Testing

TEXT BOOKS

1. Physical testing- Angappan, P and R.Gopalkrishnan, SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
2. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
3. Principles of Textile Testing, Booth, JE, CBSpublishing, Distributors, New Delhi, 1996

REFERENCES

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dreamtech Press, New Delhi, 2010
2. "An Introduction to Quality Control for Apparel Industry" Pradip V. Mehta, – ASQC Quality press, 1992.

UCD 31
SEMESTER V
SKILL BASED SUBJECT 3- TEXTILE TESTING-II

15UCD5SM

OBJECTIVE

- To impart practical knowledge to the students regarding testing of fibers and yarns.
- To develop an understanding of methods and techniques used to analyse textile fibers, yarns and fabrics for end use performance.

(Total hours - 30)

CREDIT: 3

I. FABRIC TESTING I

(6 hours)

GSM, Fabric count, and Fabric Weight

II. FABRIC TESTING II

(6 hours)

Thickness, Stiffness, and Shrinkage test

III. ABSORBENCY TESTS

(6 hours)

Drop test, Sinking, and Capillary rise test

IV. COLOUR FASTNESS TEST I

(4 hours)

Color matching cabinet, Colorfastness to Sunlight, Washing, and Pressing, Crocking - Dry & Wet

V. COLOUR FASTNESS TEST II

(8 hours)

Colour fastness to Perspiration, Acidic and Alkaline..

TEXT BOOKS

1. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
2. Physical testing- Angappan, P and R.Gopalkrishnan, SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
3. Principles of Textile Testing, Booth, JE, CBSpublishing, Distributors, NewDelhi, 1996

REFERENCE

- 1.Comdex Fashion Design,vol-I Fashion Concepts,Navneetkaur,Dreamtech press,Newdelhi,2010
- 2.“An Introduction to Quality Control for Apparel Industry” Pradip V. Mehta, – ASQC Quality press, 1992.

SKILLED BASED SUBJECT- 4 – APPAREL QUALITY INSPECTION AND STANDARDS

OBJECTIVE

- To enable students to know various Inspection aspects and Standards followed in Textile units.
- To enable students understanding the importance of Quality control in textile testing.

(Total hours - 30)

CREDITS: 3

UNIT I

(6 hours)

INTRODUCTION TO QUALITY CONTROL- Definition, Scope, Functions and Importance of Quality. Quality Control and Quality Assurance.

UNIT II

(6 hours)

QUALITY INSPECTION – Definition, Inspection loop, Raw material inspection, Fiber, Yarn, Fabric. In-process inspection - Spreading, - Inspection in Cutting, Sewing, Pressing/finishing. Final inspection - Size, Measurement and Dress from fitting.

UNIT III

(6 hours)

QUALITY INSPECTION OF ACCESSORIES - Zippers, Buttons, Buckles and Snap fasteners and Interlinings. Practical Orientation in Quality inspection

UNIT IV

(6 hours)

QUALITY STANDARDS – Introduction, Year of establishment, Benefits of standards, Levels of standards, Sources of standards, Functions of the standards, Advantages of implementing these standards and ASTM, BIS, AATCC, ISO 9000 and ISO 14000 series. Eco standards.

UNIT V

(6 hours)

QUALITY TOOLS - Seven tools to quality - Cause and effect, Checklist, Control chart, Flow hart, Histogram, Pareto Chart, and *Scatter diagram .

***SELF STUDY**

TEXT BOOKS

1. “An Introduction to Quality Control for Apparel Industry” Pradip V. Mehta, – ASQC Quality Press, 1992.

REFERENCES

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dreamtech press, Newdelhi, 2010
2. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
3. Physical testing- Angappan, P and R. Gopalkrishnan, SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
4. Principles of Textile Testing, Booth, JE, CBS Publishing, Distributors, New Delhi, 1996

ELECTIVE

MAJOR ELECTIVE- ORGANISATION OF GARMENT UNIT

OBJECTIVE:

- To develop entrepreneurship skills among the students
- To familiarize the students with the process and procedure of setting up new enterprises.

(Total hours - 75)

CREDITS: 5

UNIT I

(15 hours)

ENTREPRENEURSHIP – Meaning, Definition and Types, Need for entrepreneurship, Qualities and Types of entrepreneurs. Difference between Entrepreneur and Manager. Management – Definition, Management as a process – planning, Organizing, Directing, Controlling, Co ordination.

UNIT II

(15 hours)

INSTITUTIONS SUPPORTING ENTREPRENEURS –Abbreviation, year of establishment and the functions of following institutions- DIC, NSIC, SISI, SIPCOT, TIIC, KVIC, CODISSIA, Commercial banks – SBI,IDBI

UNIT III

(15 hours)

DIFFERENT DEPARTMENTS IN A GARMENT UNIT – Organizational Structure of a garment unit – Hierarchical organization, Personnel involved in all the departments and Nature of the job - Design, Finance, Purchasing and Production.

UNIT IV

(15 hours)

FACTORY DESIGN AND LAYOUT – Importance of factory design, Factors affecting factory design, *Types of buildings (single and multi-storey) – Advantages and limitations. Factory layout – Process, Product and Combined layout. Design requirements – Requirements relating to health, safety and welfare

UNIT V

(15 hours)

INDIAN GARMENT EXPORTS - Present scenario of Indian garment exports, SWOT Analysis, Setting up garment unit for export market, Procedures, and Payment methods.

*** SELF STUDY**

TEXT BOOKS

1. Introduction to Clothing Production Management – A J Chester 2nd edition, Wren bury Associates Ltd, 1998.
2. The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science,1994.

REFERENCE

- 1.Marketing Management, Philip kotler and Kevin lane,keller.pearson,education,Inc,Delhi,.2006
2. Entrepreneurial Development -S.S. Khanka, , S.Chand & co, 1st Edition, 2004.
3. Entrepreneurial Development - Jayashree Suresh, Marahom Publications, Chennai, 2003.
- 4.Entrepreneureship Development,Anilkumar.s.,Poornima.s.s.,Abraham,k.Jayashree,Newage International publishers, New Delhi,2003

UCD 34

MAJOR ELECTIVE – GLOBAL FASHION MARKET

OBJECTIVE

- To impart knowledge about opportunities available in fashion field at global level.

(Total hours - 75)

CREDITS: 5

UNIT I

(15 hours)

MARKET TERMINOLOGY – Market, Market Center, Mart, Market Weeks and Trade Shows. Scope of fashion Industry, Economic importance of fashion industry

UNIT II

(15 hours)

ORGANIZATION OF MARKETS AND MARTS TODAY, services offered by regional markets and marts – facilities, publications, publicity, and market calendar for the year.

UNIT III

(15 hours)

SHOPPING FOREIGN MARKETS – methods used for buying foreign fashion merchandise, markets of different countries – France, Italy, Britain, Germany, *America.

UNIT IV

(15 hours)

SCOPE OF THE FASHION INDUSTRY, choosing a career in fashion, evaluating fashion goals, in depth job study, career paths, careers in manufacturing – raw material industry, fashion designer, hand weaver and silk screen artists, fabric stylist and colorists.

UNIT V

(15 hours)

GLOBAL RETAILING SCENE – American, European, Asian. Career in fashion retailing – Small store opportunity, large company multi channel opportunity, fashion retailing job classifications, * **SELF STUDY**

TEXT BOOKS

1. Fashion Retailing (A Multi channel Approach) – Ellen Diamond, Pearson Prentice Hall, New York, 2006.
2. Fashion marketing – Mike Easey, Black well Science Ltd, 1995
3. Fashion Merchandising – An Introduction – Elaine Stone , McGraw-Hill Book Company , New York ,1995.

REFERENCES

1. Inside the Fashion Business, - Kitty G. Dickerson, Pearson Publishers, India, 2005
2. Fashion Marketing – Mike Easey, Black well Science Ltd, 1995

UCD 35
FABRIC CARE

OBJECTIVE

- To impart knowledge about care and maintenance of textiles.

(Total hours - 75)

CREDITS: 5

UNIT I

(15 hours)

WATER & LAUNDERING- water- sources of water, types of hardness, methods of softening water, and determination of hardness. laundry soaps – manufacture of soap (hot process, cold process), composition and types of soap, soapless detergents, chemical action of detergents, detergent manufacture, advantages of detergents.

UNIT II

(15 hours)

FINISHES – starch, preparation of starch (cold water and hot water), purpose of stiffening, classification of stiffening agents, preparation and use of stiffeners. *laundry blues and its application. bleaches- types and its application

UNIT III

(15 hours)

LAUNDRY EQUIPMENT –washing equipments – wash board, suction washer, wash boiler, washing machine. drying equipments – out door and indoor types. irons and types of iron box- flat, automatic, steam iron. ironing board – different types.

UNIT IV

(15 hours)

PRINCIPLES OF WASHING – Friction, suction washing, washing by kneading and squeezing and washing by machine. Laundering of different fabrics – cotton and linen, wool, colored fabrics, silks, rayon and nylon. DRY CLEANING – using absorbents and grease solvents. *Storing – points to be noted.

UNIT V

(15 hours)

STAIN REMOVAL –Stain- Definition, Classification of stains, stain and their methods of removal, Lead Pencil, Lipstick, Mildew, paint, perfume, perspiration, tar, turmeric and kum-kum. Care label – labeling parameters, care label symbols, various systems of care labeling (British and Canadian), importance of care labeling and placement of labels on garments.

*** SELF STUDY**

TEXTBOOKS

1. Fabric Care, Noemia D Souza, New Age International Publishers, 1998

REFERENCES

1. Pradip V. Mehta, “An introduction to Quality Control for Apparel Industry” – ASQC Quality press, 1992
2. Understanding Textiles, Phyllis G. Tortora, 2nd Edition, Collier Macmillan publishers, London, 1982

UCD 36
MAJOR ELECTIVE – BASICS OF DRAPING

OBJECTIVE

- To understand the concept of draping
- To enable the student to develop skill in making patterns through draping. (Total hours - 75)

CREDITS: 5

UNIT I (15 hours)

Draping techniques, tools and measurements, Preparation of fabric for draping, seam allowances, marking and tracing. Introduction of fullness: gathering, pleats, tucks, darts, flounce, godets and flare.

UNIT II (15 hours)

Bodice styles: making basic front and back, Classic princess drape, panel bodice.

UNIT III (15 hours)

Draping of Sleeve- puff at top and bottom and raglan, Collar- peter pan, turtle neck and neckline- cowls and halter neck

UNIT IV (15 hours)

Draping of Front and back skirt- pleated, gathered and Waist bands

UNIT V (15 hours)

Draping of Front pant, Back pant and Belts.

TEXTBOOKS

1. Draping for Fashion Design, Helen Jaffa and Nurie Relis, fourth edition, Pearson Education Inc, Prentice Hall Dorling Kinder Sley Pvt. Ltd, New Delhi, 2009.
2. Draping for Fashion Design, Hilde Jaffe, Pearson education. New Delhi, 2011.
3. Draping for fashion Design, Jaffe and Relils, Sonali Publication, New Delhi, 2012
4. Khurana K Draping and Pattern Making for Fashion Design, Khurana K, Sonali Publications, New Delhi, 2012
5. The Art of Fashion Draping, Connie Amaden-Crawford, 3rd edition, Fairchild Publication, 2005

REFERENCES

1. Draping for Apparel Design, Helen Joseph Armstrong, Second Edition, Fair child publication, Inc, New York, 2008.

UCD 37
SEMESTER V
MAJOR ELECTIVE- HISTORIC COSTUMES OF INDIA

OBJECTIVE:

- To acquaint students with different types of costumes.
 - To enhance the students' knowledge regarding accessories and Jewellery of different eras
 - To impart knowledge about of historic costumes of India
- (Total hours - 75)**

CREDITS: 5

UNIT I

(14 hours)

BEGINNING OF COSTUME- tatting, painting, body covering ,cutting etc. Study on Embroideries Textiles of India- Phulkari, Kantha, Chikankari, Kansur, Kasuti, Kathiawar, Chambarumals, Zardozi. Dyed Textiles of India- Bhandhini, Patola.

UNIT II

(16 hours)

WOVEN TEXTILES OF INDIA- Brocades, Paithani, Baluchari, Kanjeevaram, Jamdhani. Printed textiles of India- Kalamkari, Madhubani, Sanganeri, Bargu.

UNIT III

(16 hours)

TRADITIONAL COSTUME OF EAST AND WEST OF INDIA- EAST- Orissa, Bihar, Mizoram, and Tripura, Nagaland, Westbengal. WEST- Maharastra, Gujarat, and Madhya Pradesh

UNIT IV

(14 hours)

TRADITIONAL COSTUME OF SOUTH AND NORTH OF INDIA. SOUTH- *TamilNadu, Kerala, Andrapradesh, Karnataka. NORTH- Rajasthan, Haryana, HimachalPradesh, Uttarpradesh, Jammu and Kashmir, Assam, Sikkim

UNIT V

(15 hours)

INDIAN JEWELLERY –jewelleries used in the period of Indus valley civilization ,Mauryan period,Gupta period,the pallava period,and chola period, Mughal period. A brief study of gems and precious stones

*** SELF STUDY**

TEXT BOOKS:

1. Comdex Fashion Design, vol-I Fashion Concepts, Navneetkaur, Dreamtech press,Newdelhi,2010
2. Indian Costume,G.H Ghosrye,Popular Books Pvt ltd,2003
3. Indian Jewellery,M.L,Luster Press Pvt Ltd, INDIA, 1999.

REFERENCE:

1. Costumes of India,Dorris Flyn,Oxford & IBH Publishing Co,Delhi, 1971.

PART - IV

ENVIRONMENTAL STUDIES
(2012-13 onwards)

Total Hours : 30
CREDITS: 2

Objectives:

- To inculcate knowledge and create awareness about ecological and environmental concepts, issues and solutions to environmental problems.
- To shape students into good “eco citizens”, thereby catering to global environmental needs.

UNIT I MULTIDISCIPLINARY NATURE OF ENVIRONMENT (6 hours)

- 1.1 Definition : scope and importance
- 1.2 **Need for public awareness***
- 1.3 Natural resources
 - 1.3.1 Types of resources
Forest Resources – Water Resources – Mineral Resources – Food Resources – Energy Resources – Land Resources.

UNIT II ECOSYSTEMS (6 hours)

- 2.1 Concept of an ecosystem
- 2.2 Structure and functions of an ecosystem
- 2.3 Producers, consumers and decomposers
- 2.4 Energy flow in the ecosystem
- 2.5 Ecological succession
- 2.6 Food chains, food web and ecological pyramids
- 2.7 **Structure and function of the following ecosystem***
Forest Ecosystem – Grassland Ecosystem – Desert Ecosystem – Aquatic Ecosystem.

UNIT III BIODIVERSITY AND ITS CONSERVATION (6 hours)

- 3.1 Introduction – Definition – Genetic – Species and ecosystem diversity
- 3.2 Biogeographical classification of India
- 3.3 **Value of biodiversity***

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- 3.4 Biodiversity at global, national and local levels
- 3.5 India as a mega – diversity Nation
- 3.6 Hot spot of biodiversity
- 3.7 Threats to biodiversity
- 3.8 Endangered and endemic species of India
- 3.9 Conservation of Biodiversity
 - insitu* Conservation of Biodiversity – *exsitu* Conservation of Biodiversity

UNIT IV ENVIRONMENTAL POLLUTION

(6 hours)

- 4.1 Definition
- 4.2 Causes, effects and control measures of: Air Pollution – Water Pollution – Soil Pollution – Marine Pollution – Noise Pollution – Thermal Pollution – Nuclear Pollution.
- 4.3 Solid Waste Managements: causes, effects, control measures of urban and industrial wastes.
- 4.4 Role of individual in prevention of pollution*.**
- 4.5 Pollution case studies – domestic waste water, effluent from paper mill and dyeing, cement pollution.
- 4.6 Disaster Management – Flood, Drought, Earthquake, Tsunami, Cyclone and Landslide.

UNIT V SOCIAL ISSUES AND THE ENVIRONMENT

(6 hours)

- 5.1 Sustainable Development
- 5.2 Urban problems related to energy
- 5.3 Water Conservation : Rain Water Harvesting and Watershed Management
- 5.4 Resettlement and rehabilitation of people, its problems and concerns, case studies – Narmatha Valley Project.
- 5.5 Environmental ethics, issues and possible solutions.
- 5.6 Climatic change, global warming, ozone layer depletion, acid rain, nuclear accidents and holocaust, case studies – Hiroshima and Nagasaki, Chernobyl.
- 5.7 Consumerism and waste products
- 5.8 Environmental Protection Act
- 5.9 Air Pollution Act (Prevention and Control)
- 5.10 Water Pollution Act (Prevention and Control)
- 5.11 Wild Life Protection Act

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- 5.12 Forest Conservation Act
- 5.13 Issues involved in enforcement of environmental legislation
- 5.14 Public awareness***
- 5.15 Human population and the environment
 - 5.15.1 Population Growth and Distribution
 - 5.15.2 Population Explosion – Family Welfare Programme***
 - 5.15.3 Environment and Human Health
 - 5.15.4 Human Rights***
 - 5.15.5 Value Education***
 - 5.15.6 HIV / AIDS***
 - 5.15.7 Women and Child Welfare
 - 5.15.8 Role of Information Technology in Environment and Human Health*.**

*** Self Study (Questions may be asked from these topics also)**

TEXT BOOK

1. P.Arul, A Text Book of Environmental Studies, Environmental Agency, No 27, Nattar street, Velacherry main road, Velacheery, Chennai – 42, First Edition, Nov. 2004.

REFERENCE BOOKS:

1. Purohit Shammi Agarwal, A text Book of Environmental Sciences, Publisher Mrs. Saraswati Prohit, Student Edition, Behind Naswan Cinema Chopansi Road, Jodhpur.
2. Dr.Suresh and K.Dhameja, Environmental Sciences and Engineering, Publisher S.K.Kataria & Sons, 424/6, Guru Nanak Street, Vaisarak, Delhi – 110 006.
3. J.Glynn Henry and Gary W Heinke, Environmental Science and Engineering, Prentice Hall of India Private Ltd., New Delhi – 110 001.

Question Paper Pattern **(External only)**

Duration: 3 hours

Total Marks : 50

Answer all Questions (5 x 10 = 50 Marks)

Essay type, either or type questions from each unit.

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SEMESTER – II

16VED201

VALUE EDUCATION – MORAL AND ETHICS
(2015 – 2016 Batch Onwards)

Total hours: 30

CREDITS: 2

UNIT I

(6 Hours)

Introduction – Meaning of Moral and Ethics – Ethics and Culture – Aim of Education.

UNIT II

(6 Hours)

Swami Vivekananda – A Biography

UNIT III

(6 Hours)

The Parliament of Religions - Teachings of Swami Vivekananda.

UNIT IV

(6 Hours)

Steps for Human Excellence

UNIT V

Meditation

(6 Hours)

TEXT BOOK:

1. Value Based Education - Kongunadu Arts and Science College, Coimbatore, First Edition, 2014.

REFERENCE BOOKS:

1. Moral and Ethics - Published by Dr.M.Aruchami, Secretary and Director, Kongunadu Arts and Science College, Coimbatore, First Edition, June 2007.

2. “Vivekananda A Biography” - Swami Nikilananda, 29th Reprint, January 2013, Published by Swami Bodhasarananda, Adhyaksha, Advaita Ashrama, Mayavati, Champawat, Uttarakhand, Himalayas.

Question Paper Pattern

(External only)

Duration: 3 hours

Total Marks: 50

Answer all Questions (5 x 10 = 50 Marks)

Essay type, either or type questions from each unit.

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SEMESTER – III **15UHR3N1**
NON- MAJOR ELECTIVE - I HUMAN RIGHTS

Total Hours.:30

CREDIT : 2

UNIT – I :

(6 Hours)

Concept of Human Values, Value Education towards Personal Development

Aim of education and value education; Evolution of value-oriented education; Concept of human values; types of values; Components of value education.

Personal Development :

Self-analysis and introspection; sensitization towards gender equality, physically-challenged, intellectually-challenged. Respect to - age, experience, maturity, family members, neighbours, co-workers.

Character Formation towards Positive Personality:

Truthfulness, Constructivity, Sacrifice, Sincerity, Self-Control, Altruism, Tolerance, Scientific vision.

UNIT – II :

(6 Hours)

Value Education towards National and Global Development

National and International Values:

Constitutional or national values - Democracy, socialism, secularism, equality, justice, liberty, freedom and fraternity. Social Values - Pity and probity, self-control, universal brotherhood. Professional Values - Knowledge thirst, sincerity in profession, regularity, punctuality and faith. Religious Values - Tolerance, wisdom, character. Aesthetic Values - Love and appreciation of literature and fine arts and respect for the same. National Integration and international understanding.

UNIT – III :

(6 Hours)

Impact of Global Development on Ethics and Values

Conflict of cross-cultural influences, mass media, cross-border education, materialistic values, professional challenges and compromise.

Modern challenges of adolescent emotions and behaviour; sex and spirituality: comparison and competition; positive and negative thoughts.

Adolescent emotions, arrogance, anger, sexual instability, selfishness, defiance

UNIT- IV : Therapeutic Measures

(6 Hours)

Control of the mind through

- a. Simplified physical exercise
- b. Meditation – objectives, types, effect on body, mind and soul
- c. Yoga – objectives, types, Asanas
- d. Activities:
 - (i) Moralisation of Desires

UCD 43

- (ii) Neutralisation of Anger
- (iii) Eradication of Worries
- (iv) Benefits of Blessings

UNIT- V : Human Rights

(6 Hours)

1. Concept of Human Rights – Indian and International Perspectives
 - a. Evolution of Human Rights
 - b. Definitions under Indian and International documents
2. Broad classification of Human Rights and Relevant Constitutional Provisions.
 - a. Right to Life, Liberty and Dignity
 - b. Right to Equality
 - c. Right against Exploitation
 - d. Cultural and Educational Rights
 - e. Economic Rights
 - f. Political Rights
 - g. Social Rights
 - h. Right to Information
3. Human Rights of Women and Children
 - a. Social Practice and Constitutional Safeguards
 - (i) Female Foeticide and Infanticide
 - (ii) Physical assault and harassment
 - (iii) Domestic violence
 - (iv) Conditions of working women
4. Institutions for Implementation
 - a. Human Rights Commission
 - b. Judiciary
5. Violations and Redressal
 - a. Violation by State
 - b. Violation by Individuals
 - c. Nuclear weapons and terrorism
 - d. Safeguards

Note: Study material can be obtained from the Office of the Controller of Examinations of our College.

UCD 44
SEMESTER IV
WOMEN'S RIGHTS

15UWR4N2
(Total Hours: 30)
CREDITS: 2

Objectives:

- **To impart specific and up-to-date information about national and international laws related to the welfare of women.**
- **To create awareness about crimes against women, legal rights of women in the country and access to justice.**

UNIT I **(6 hours)**

Laws, Legal Systems and Change

Definition - Constitutional law, CEDAW and International Human Rights – Laws and Norms – Laws and Social Context – Constitutional and Legal Framework.

UNIT II **(6 hours)**

Politics of land and gender in India

Introduction – Faces of Poverty – Land as Productive Resources – Locating Identities – Women's Claims to Land – Right to Property - Case Studies.

UNIT III **(6 hours)**

Women's Rights: Access to Justice

Introduction – Criminal Law – Crime Against Women – Domestic Violence – **Dowry Related Harassment* and Dowry Deaths*** – Molestation – Sexual Abuse and Rape – Loopholes in Practice – Law Enforcement Agency.

UNIT IV **(6 hours)**

Women's Rights

Violence Against Women – Domestic Violence - The Protection of Women from Domestic Violence Act, 2005 - The Marriage Validation Act, 1982 - The Hindu Widow Re-marriage Act, 1856 - The Dowry Prohibition Act, 1961

UNIT V **(6 hours)**

Special Women Welfare Laws

Sexual Harassment at Work Places – Rape and Indecent Representation – The Indecent Representation (Prohibition) Act, 1986 - Immoral Trafficking – The Immoral Traffic (Prevention) Act, 1956 - Acts Enacted for Women Development and Empowerment - Role of Rape Crisis Centers.

*** Self-study(Questions may be asked from these topics also)**

Prescribed Book :

Women's Rights Compiled by Kongunadu Arts and Science College, Coimbatore-29.

References

Nitya Rao "Good Women do not Inherit Land" Social Science Press and Orient Blackswan 2008

International Solidarity Network "Knowing Our Rights" An imprint of Kali for Women 2006

P.D. Kaushik "Women Rights" Bookwell Publication 2007

Aruna Goal "Violence Protective Measures for Women Development and Empowerment" Deep and Deep Publications Pvt. 2004

Monica Chawla "Gender Justice" Deep and Deep Publications Pvt. Ltd.2006

Preeti Mishra "Domestic Violence Against Women" Deep and Deep Publications Pvt. 2007

Clair M. Renzetti, Jeffrey L. Edleson, Raquel Kennedy Bergen, Source Book on "Violence Against Women" Sage Publications 2001.

DIPLOMA

UCD 46
Kongunadu Arts and Science College (Autonomus)
Coimbatore-29

DIPLOMA IN FASHION DESIGN

Duration: 1 year

Curriculum, Scheme of Examinations and Syllabi
(with effect from academic year 2015-16 & onwards)

S. No	Subject code	Title of The Paper	Instruction Hours		Exam Marks			Duration of Examination
			THEORY	PRACTICAL	CI A	ESE	Total	
1	15CDF01	Basics of Fashion Designing	60	-	25	75	100	3 Hrs
2	15CDF02	Fundamentals of Apparel Designing	60	-	25	75	100	3 Hrs
3	16CDF03	Garment Construction and Fabric Embellishments	-	60	40	60	100	3 Hrs
	Total Marks						300	-

The examination will be conducted at the end of the academic year

ESE Question paper pattern

Theory papers: 100 marks

Maximum Internal Marks = 25 marks

Maximum External Marks = 75 Marks

Section - A Multiple choice (25x1=25 Marks)

Section - B Short Answer (Either or type) (5x4=20 Marks)

Section - C Essay Type (3 out of 5) (3x10=30 Marks)

Practical Papers:

Maximum Internal Marks = 40 marks

Maximum External Marks= 60marks

Practicals = 40 marks

Record = 10 marks

Viva-voce = 10 marks

ELIGIBILITY: H.Sc Passed

UCD 47
PAPER 1
BASICS OF FASHION DESIGNING

15CDF01

OBJECTIVES

- To enable students to gain knowledge of fashion design
- To understand the fashion design concept and process.

(Total hours - 60)

UNIT I

(11 hours)

FASHION TERMINOLOGIES – Fashion, Fad, Style, Classic, Collection, Custom Made, Mannequin, High Fashion, Trend, Advantage, Bridge, Buying House, Fashion Merchandising, Fashion Cycle, Forecasting, Haute Couture, Couture, Couturier, Pre- A-Porter. Theories of fashion – Trickle down, Bottom up, and Trickle across.

UNIT II

(10 hours)

DESIGN & ELEMENTS OF A DESIGN – Design- Definition, Types – Structural and Decorative design. Elements of a Design – Line, Shape or Form, Colour, Size and Texture and Illustrating garment design using elements of design.

UNIT III

(12 hours)

PRINCIPLES OF DESIGN – Balance – Formal and Informal, Rhythm – through Repetition, Radiation and Gradation, Emphasis – grouping of design units, using contrast hues, by leading lines, a combination of any of the above, repeating details such as tucks, gathers, buttons, etc., unusual shapes and textures, applied design on a contrast background, Harmony and Proportion- planning of the basic shapes and division of shapes for a good relationship and Illustrating garment design using principles of design.

UNIT IV

(12 hours)

COLOUR —Meaning, Dimensions of Colour - Prang colour theory, colour harmonies - Monochromatic, Analogous, Complementary, Double complementary, *Spilt complementary, and Triad colour harmony and illustrating garment design using colour harmonies.

UNIT V

(15 hours)

DESIGNING DRESSES FOR FIGURE IRREGULARITIES – Becoming and Unbecoming ,Stout figure, Thin Figure, Slender Figure, Large Bust, Flat Chest, Large Hip, Large Abdomen, Round Face, Large Face, Small Face, Prominent Chin and Jaw, Prominent Forehead, Narrow Shoulders, Broad Shoulders, Round Shoulders.

*** SELF STUDY**

TEXT BOOKS

1. The Dynamics of fashion –Elaine Stone, Fair child Publications, New York.2002
2. Fashion Studies – An Introduction, Payal Jain, Anand Publications Pvt., Ltd., India, 2005.

REFERENCES

1. Fashion Technology handbook-Meenakshi Narang, Asia pacific Business Press,2001
2. Handbook of Garment Manufacturing Technology, EIRI Board, Sudhir Gupta,Delhi.2006
3. Introduction to Fashion Technology - Pooja Khurana and MonikaSRTHI, Firewall Media Pvt, Ltd., New Delhi, 2007.
4. Elements of Fashion and Apparel Design – Sumathi. G.J., New Age International publishers. New Delhi, 2002.

UCD 49

PAPER 2

FUNDAMENTALS OF APPAREL DESIGNING

15CDF02

OBJECTIVES

- To enable students to gain knowledge of basic seam and seam finishes
- To enable students to know various types of Neckline, Sleeve, Collar, Skirts and Pant.

(Total hours - 60)

UNIT I

(12 hours)

SEAMS AND FULLNESS – Seams - Plain ,Single top stitch, Double top stitch, Welt, Lapped, Slot, Flat Fell, French, Mantua Maker's ,Piped Seam. Seam finishes - Edge stitch, Double Stitch, Overcast, Herringbone, Bound seam edge finish. Hems-Seam binding, Catch stitched, Narrow Machine Stitched, Rolled or Whipped finish, Shell Edged. Fullness: Darts - Single Pointed, Double pointed. Tucks - pin ,piped or corded , shell or scalloped, cross tucking , group tuck with scalloped effect, Pleats - knife, box , Inverted , kick, pinch ,cartridge Godets, Flares, Gathering - hand, machine, using elastic, with cord piping. Shirring or gauging, ruffle – single, double, circular Ruffle.

UNIT II

(12 hours)

NECKLINE- Types of Necklines- V- Neckline, U- Neckline, *Round Neckline, square Neckline, halter necklines, sweetheart necklines, Off-Shoulder neckline, Boat Neckline, Cowl Neckline, keyhole neckline, Jewel Neckline, Scoop Neckline, Assymetric neckline.

UNIT III

(12 hours)

SLEEVE - Types of sleeves - Plain Sleeve, Puff at Top Sleeve, Puff Sleeve At Bottom , Puff At Top And Bottom Sleeve, Bishop Sleeve, Circular Sleeve, Leg-O-Mutton Sleeve, Raglon Sleeve, Bell Sleeve, Tulip Sleeve, Cap Sleeve, Kimono Sleeve, Batwing(Magyar) Sleeve, Dolman Sleeve, Epaulet Sleeve, Victorian Sleeve.

UNIT IV

(12 hours)

COLLAR - Parts of Collar -Types of Collars - Peter Pan collar, Cape collar, Scalloped Collar, Puritan collar, Sailor collar, Square Collar, Rippled Collar, Full roll convertible collar, Turtle neck collar, Tie collar, Shirt Collar, Chinese collar, Shawl collar.

UNIT V

(12 hours)

SKIRTS AND PANT: Skirts- Types of Skirts- Six and Four gore skirt, Circular Skirt, Pleated Skirt, Tulip Skirt, Wrap around Skirt, Layered Skirt, Godet Skirt, A-Line Skirt, and Ballon Skirt. Pant – Parts of Pant - Types of Pants – Pleated Pant, Bell bottom pant, Flared Pant, Heram Pant, Jodhpur, and Tights.

* SELF STUDY

TEXT BOOKS

1. Elements of Fashion and Apparel Designing, Sumathi.G.D. New Age International, New Delhi, 2005.
2. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras,1990

REFERENCES

1. Dress Designing - Manmeet Sodhia, Kalyani Publishers, Ludhiana. 2006.
2. Zarapkar System of Cutting, - Navneet publications, New Delhi. 2005.

UCD 51
PRACTICAL -1

16CDF03

GARMENT CONSTRUCTION AND FABRIC EMBELLISHMENTS

OBJECTIVE:

- To impart practical knowledge in various surface ornamentation techniques
- To enable the students gain practical knowledge on different embroideries of India.

(Total Hours- 60)

UNIT I

(15 hours)

BODY MEASUREMENTS AND PATTERN DRAFTING – Importance, Preparation for measuring, Ladies , men’s and children’s measurements. Drafting pattern for basic front and back bodice on personal measurements or standard measurements.

UNIT II

(12 hours)

SEAMS AND FULLNESS AND FASTNERS Seams-Plain ,Single top stitch,Seam finishes - Edge stitch, Hems-Seam binding, FULLNESS- Darts - Single pointed, Tucks - pin tuck, Pleats - knife pleat, Gathering - hand gathering, Fastners – Button, Buttonhole, Preparation of One Sample for Each

UNIT III

(15hours)

DESIGN AND CONSTRUCT-Jabla with puff sleeve, variations in neckline, with placket opening.

UNIT IV

(9 hours)

INTRODUCTION – Meaning of Embroidery, Equipment and Materials used for embroidery, Embroidery designs, Planning the embroidered article, Methods of Transferring designs, Types of Design- Naturalistic, Conventional, Geometric, Abstract ,Historic, Biomorphic **BASIC EMBROIDERY STITCHES** - Hand Embroidery Stitches - chain, feather, stem, fishbone, fly, satin, Herringbone, *Lazy-daisy, Bullion knot and buttonhole. - Machine Embroidery Stitches, Traditional embroidery-anyone

UNIT V

(9 hours)

TRIMMINGS AND DECORATIONS - Mirror, beads, sequins, zardosi, stone work, Fringes and tassels, laces, smocking, Pompons, Patchwork, appliqué. Fabric painting- Techniques - Stencilling, Brush,

*** SELF STUDY**

TEXT BOOKS

1. Practical clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai,1986.
2. Every Thing Sewing Book – Sandra Dextrixhe, ISBN: 1593370520, Avon, MA: Adams Media 2004.

REFERENCES:

1. Text Book of Homescience – Premlathe Mullick, Kalyani Publishiers, New Delhi, 2007.
2. Bead Embroidery – Valeric Campbell, Harding Pamella watts, published by B.T. Batsford Ltd, 2004.

UCD 52

Kongunadu Arts and Science College (Autonomus) Coimbatore-29

DIPLOMA IN GARMENT CONSTRUCTION

Duration: 1 year

Curriculum, Scheme of Examinations and Syllabi
(with effect from academic year 2016-17 & onwards)

S. No	Subject code	Title of The Paper	Instruction Hours		Exam Marks			Duration of Examination
			THEORY	PRACTICAL	CIA	ESE	Total	
1	15CDG01	Pattern Making and Garment Construction	60	-	25	75	100	3 Hrs
2	15CDG02	Garment Designing and Construction-I	-	60	40	60	100	3 Hrs
3	15CDG03	Garment Designing and Construction-II	-	60	40	60	100	3 Hrs
	Total Marks						300	-

The examination will be conducted at the end of the academic year

ESE Question paper pattern

Theory papers: 100 marks

Maximum Internal Marks = 25 marks

Maximum External Marks = 75 Marks

Section - A Multiple choice (25x1=25 Marks)

Section - B Short Answer (Either or type) (5x4=20 Marks)

Section - C Essay Type (3 out of 5) (3x10=30 Marks)

Practical Papers:

Maximum Internal Marks = 40 marks

Maximum External Marks= 60marks

Practicals = 40 marks

Record = 10 marks

Viva-voce = 10 marks

ELIGIBILITY: H.Sc Passed

UCD 53
PAPER 1
PATTERN MAKING AND GARMENT CONSTRUCTION

15CDG01

OBJECTIVES

- To enable students to gain knowledge of basic seam and seam finishes
- To enable students to know various types of Neckline, Sleeve, Collar, Skirts and Pant.

(Total hours - 60)

UNIT –I

(12 hours)

MACHINE PARTS, TOOLS AND BODY MEASUREMENTS - Parts and function of a single needle machine, essential tools-cutting tools, measuring tools, marking tools, pressing tools. Body measurements-importance, preparing for measuring, ladies, men, children measurements. Definition - grain, on grain, cross grain, bias, and selvedge

UNIT II

(12 hours)

NECKLINE AND SLEEVES – Neckline - Types of Necklines- V- Neckline, U- Neckline, Round Neckline, square Neckline, Halter neckline, sweetheart neckline, Off-Shoulder neckline, Boat Neckline, Cowl Neckline, keyhole neckline, Jewel Neckline, Scoop Neckline, Assymetric neckline. Sleeve - Types of sleeves - plain sleeve, puff at top sleeve, puff sleeve at bottom , puff at top and bottom sleeve, Bishop sleeve, Circular sleeve, Leg-o-Mutton sleeve, Raglan Sleeve, Bell sleeve, Tulip Sleeve, Cap sleeve, Kimono sleeve, Batwing(Magyar) sleeve, Dolman Sleeve, Epaulet sleeve, Victorian Sleeve.

UNIT III

(12 hours)

COLLAR, SKIRTS AND PANTS - Parts of Collar -Types of Collars - Peter Pan collar, Cape collar, Scalloped collar, Puritan collar, Sailor collar, *Square collar, Rippled collar, Full roll convertible collar, Turtle neck collar, Tie collar, Shirt collar, Chinese collar, Shawl collar. Skirts and Pant: Skirts- Types of Skirts- Six and Four gore skirt, Circular Skirt, Pleated Skirt, Tulip Skirt, Wrap around Skirt, Layered Skirt, Godet Skirt, A-Line Skirt, and Ballon Skirt. Pant – Parts of Pant - Types of Pants – Pleated Pant, Bell bottom pant, Flared Pant, Harem Pant, Jodhpur, and Tights.

UNIT IV

(12 hours)

PATTERN MAKING – Methods of pattern making Types of paper patterns - Pattern details. Steps in drafting bodice front, bodice back and sleeve.Grading definition- Basic Bodice Front and Basic sleeve

UNIT V

(12 hours)

PATTERN LAYOUT – definition, purpose, rules in layout, types of layout(methods), What can be done if cloth is insufficient, fabric cutting, transferring pattern markings, stay stitching and ease stitching.

*** SELF STUDY**

TEXT BOOKS

1. Elements of Fashion and Apparel Designing, Sumathi.G.D. New Age International, New Delhi, 2005.
2. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras,1990

REFERENCES

1. Dress Designing - Manmeet Sodhia, Kalyani Publishers, Ludhiana. 2006.
2. Zarapkar System of Cutting, - Navneet publications, New Delhi. 2005.

UCD 55
PRACTICAL-I
GARMENT DESIGNING AND CONSTRUCTION-I

15CDG02

OBJECTIVES

- To enable students gain knowledge of basic seam and seam finishes
- To enable students know various types of Neckline, Sleeve, Collar, Skirts and Pant.

(Total hours - 60)

1. SEAMS AND FULLNESS –

(20 hours)

Seams-Plain ,Single top stitch, Double top stitch, Welt, Lapped, Slot, Flat Fell, French, Mantua Maker's ,Piped Seam.

Seam finishes - Edge stitch, Double Stitch, Overcast, Herringbone, Bound seam edge finish.

Hems-Seam binding, Catch stitched, Narrow Machine Stitched, Rolled or Whipped finish, Shell Edged.

Preparation of One Sample for Each

2. FULLNESS AND FASTNERS –

(20 hours)

Darts - Single Pointed, Double pointed.

Tucks - Pin, Piped or corded , *cross tucking, shell or scalloped, group tuck with scalloped effect

Pleats - knife, box , iInverted , kick, pinch ,cartridge Godets, Flares,

Gathering - hand, machine, using elastic, with cord piping. Shirring or gauging,

Ruffle – single, double, circular Ruffle.

Fastners – Button, Buttonhole, Press button, Hook and Eye.

Preparation of One Sample for Each

3. CONSTRUCTION OF CHILDRENS WEAR

Designing and construction of the following dresses:

(20 hours)

1. Bib

2. Panties-Plain and elastic panty

3. Jabla features:

I Type

II Type

a) Sleeveless

a) With Sleeve

b) Close neck

b) Boat neck

c) With open

c) With open

4. Summer frock-with suspender at shoulder line, fullness at neck line.

*** SELF STUDY**

TEXT BOOKS

1. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras, 1990

REFERENCE

1. Zarapkar System of Cutting, - Navneet publications, New delhi. 2005.

2. Practical clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.

UCD 56
PRACTICAL-II
GARMENT DESIGNING AND CONSTRUCTION-II
15CDG03

OBJECTIVES

- To enable students learn the aspects of pattern construction.
- To enable students to design and construct various Ladies and Mens Garment Making.

(Total hours - 60)

1. CONSTRUCTION OF LADIES WEAR

SALWAR –with/without pleats **(20 hours)**

KAMEEZ - with neckline variation, with /without slit, full/half sleeve

BLOUSE- front opening, with yoke, *plain sleeve **(20 hours)**

2. CONSTRUCTION OF MENS WEAR **(20 hours)**

NIGHT SHIRT –with / without pocket

NIGHT PANT-with side seam pocket

*** SELF STUDY**

TEXT BOOKS

1. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras, 1990

REFERENCE

1. Zarapkar System of Cutting, - Navneet publications, New delhi. 2005.
2. Practical clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.

UCD 57
Kongunadu Arts and Science College (Autonomus)
Coimbatore-29

DIPLOMA IN GARMENT MERCHANDISING

Duration: 1 year

Curriculum, Scheme of Examinations and Syllabi
(With effect from academic year 2016-17 & onwards)

S. No	Subject code	Title of The Paper	Instruction Hours		Exam Marks			Duration of Examination
			THEORY	PRACTICAL	CIA	ESE	Total	
1	15CDH01	Basics of Textile and Apparel design	60	-	25	75	100	3 Hrs
2	15CDH02	Introduction to Garment Merchandising	60	-	25	75	100	3 Hrs
3	15CDH03	Apparel Designing and Textile Testing	-	60	40	60	100	3 Hrs
	Total Marks						300	-

The examination will be conducted at the end of the academic year

ESE Question paper pattern

Theory papers: 100 marks

Maximum Internal Marks = 25 marks

Maximum External Marks = 75 Marks

Section - A Multiple choice (25x1=25 Marks)

Section - B Short Answer (Either or type) (5x4=20 Marks)

Section - C Essay Type (3 out of 5) (3x10=30 Marks)

Practical Papers:

Maximum Internal Marks = 40 marks

Maximum External Marks= 60marks

Practicals = 40 marks

Record = 10 marks

Viva-voce = 10 marks

ELIGIBILITY: H.Sc Passed

UCD 58
PAPER 1
BASICS OF TEXTILE AND APPAREL DESIGN

15CDH01

Objective:

- To inculcate the knowledge of fiber to yarn conversion and Fabric Formation methods.
 - To gain knowledge in Basics of Designing and Garment Making
- (Total hours - 60)**

UNIT I

(12 hours)

FIBRE AND YARN MANUFACTURE - Introduction to the field of Textiles – classification of fibres . Manufacturing process, Properties and Uses of Natural fibres – Cotton, Silk, Man-made fibres –rayon, polyester. Spinning – Definition- Blending, Blow room, Carding, Combing, Drawing. Other spinning methods - Wet and Dry spinning, Melt spinning, Bicomponent spinning, Biconstituent spinning, Integrated Composite spinning.

UNIT II

(12 hours)

FABRIC FORMATION -Weaving – Definition, Loom -Parts and its Function, Weaving Process- Shedding, Picking , Beating up and Letting off. Basic Weave- Plain, Twill and Satin. Knitting- Definition- Classification – Parts of Knitting Machine, Knitting Cycle and Knitting Notation. Weft Knitting- Single Jersey, Warp Knitting- Tricot. Difference between Woven and Knitted Fabric.

UNIT III

(12 hours)

WET PROCESSING - Sequence of Processing- singeing, desizing, scouring, bleaching, mercerizing. Dyeing – Dyes – classification. Stages of dyeing – Fibre, Yarn, Fabric and Garment – process involved. Methods of Dyeing; Batch dyeing – Winch, Jigger, Jet Dyeing. Printing – introduction to printing, differences between Printing and Dyeing. Block printing, *Stencil printing, Screen printing. Finishes- Moire, Schreiner, Water repellent, Flame Retardant, Moth and Mildew.

UNIT IV

(12 hours)

APPAREL DESIGNING-Design –definition,types-Elements of Design-Principles of Design-Colour-Prang colour Theory-Pattern Making-Steps in Drafting –Bodice Front,Back and Sleeve

UNIT V

(12 hours)

GARMENT MAKING-Types of Seams, Plackets- Two piece, Continuous bound Placket – Neckline - Round ,Square- Yokes- Simple yoke, Yoke with fullness. Fullness – Definition, Types. Darts, tucks, Pleats, Flares, And Godets, Gathers and Shirrs, Frills or Ruffles, Flounces. Pockets – Patch pocket, Pocket in a seam. Hand Embroidery Stitches - Chain, Stem, Satin, Herringbone, Lazy-daisy, Bullion knot and Buttonhole.

*** SELF STUDY**

TEXT BOOKS

1. Practical Clothing Construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.
2. Textiles – Fiber to Fabric, Corbmann BP, International Students edition,Mc Graw Hill Book Co,

REFERENCE

- 1.Textiles – ninth edition, Sara J Radolph and Anna L Langford, Prentice hall, New Jersey , 2002.

UCD 59
PAPER 2
INTRODUCTION TO GARMENT MERCHANDISING

16CDH02

OBJECTIVE:

- To inculcate the knowledge Garment Merchandising in Apparel Industry

(Total hours - 60)

UNIT-I:

(15 hours)

MERCHANDISER - Merchandising Definition –Types- Fashion Merchandising, Visual merchandising- Role of Merchandiser-Coordination with various Departments-Buying House and Buying Agency.

UNIT-II :

(12 hours)

BRANDING –Definitions, reasons for branding, Features of Good brand, Types of Brand and Advantages of Branding, Branding Stages - Brand and Brand Strategies.

UNIT-III:

(12 hours)

RETAILING AND TRADE FAIR- Retailing-Types of Retailing —*Advertising-Supply Chain Management-E-Commerc in Apparel Industry- Trade Fair Participation and Methods of Sales Promotion.

UNIT-IV:

(12 hours)

COSTING- Principle of Costing –Types –Costing a garment-Cost sheet, wholesale. Pricing, cost Merchandising. Costing of various Garments-Children, s wear-women, s wear-Men, s wear - Cost Control.

UNIT-V:

(12 hours)

DOCUMENTATION- Quota Countries –Non Quota Countries –Quota Items-Non Quota –TPE-FCFS- NIE-NQE-Role of AEPC-Export Certificate-Special Customs Invoice-GSP-IE Code-Commercial Invoice- Packing List-LC-Bill of Exchange-Procedurs-Guarantee-Term Loans.

*** SELF STUDY**

TEXT BOOKS

1. Modern Marketing –Principles and Practices by R.S.N.Pillai and Bagavathi, 1996.
2. Fashion marketing – Mike Easey, Black well Science Ltd, 1995.
3. Marketing management – Dr B K Chatterjee Jaico, Juice Publishing house, Bombay, 1982.

REFERENCES

1. Advertising – C N Sonatakki, Kalyani Publishers, New Delhi, 1989.
2. Fashion from Concept to Consumers, Gini Stephens Frings, 7th Edition, Pearson Education, 2002.

UCD 60
PRACTICAL-I
APPAREL DESIGNING AND TEXTILE TESTING

16CDH03

OBJECTIVES

- To enable students to gain knowledge of basic seam and seam finishes, Children, Ladies and Mens wear.
- To enable students to know various fiber, yarn and fabric testing methods

(Total hours - 60)

1. SEAMS AND FULLNESS & CHILDRENS WEAR: (20hours)

Seams - Plain, Single top stitch, Flat Fell, French, Piped Seam. **Seam finishes** - Edge stitch, Double Stitch, Overcast, Herringbone. **Hems**-Seam binding, Catch stitched, Narrow Machine Stitched, Rolled or Whipped. **Fullness** -Darts - Single Pointed, *Double pointed. **Tucks** - pin, piped or corded. **Pleats** - knife, box, Inverted. Godets, Flares, Gathering - using elastic. Shirring or gauging. **Ruffle** – single, double, circular Ruffle.

Preparation of One Sample for Each

Construction of Childrens Wear - Jabla

2. LADIES AND MENS WEAR: (15 hours)

Construction of Ladies Night Pant-With Side Seam Pocket

Construction of Mens T-shirt –with/without pocket

3. FIBER AND YARN TESTING (10 hours)

Fiber Testing- Burning, Microscopic -Vegetable fibre -cotton, linen, jute. Animal fiber- silk and wool. Manmade fiber -, Polyester, Rayon Nylon

Yarn Testing - yarn count using wrap reel, Beesleys yarn count, yarn Twist and Crimp Testing

4. FABRIC TESTING (15 hours)

GSM, Fabric count, Fabric Weight, Thickness, stiffness, and shrinkage test .Colour Fastness Test - Color matching cabinet, Colorfastness to Sunlight, Washing, and Pressing, Crocking-dry & wet , Colour fastness to perspiration.

*** SELF STUDY**

TEXT BOOKS

1. Practical Clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.
2. Angappan, Pand R. Gopalkrishnan-Textile Testing- SSM institute of Textile Technology Students Co-operative stores Ltd., 2007

REFERENCE

1. Zarapkar System of Cutting, - Navneet publications, New Delhi, 2005.
2. Booth.JE, Principles of Textile Testing, CBSpublishing, Distributors, NewDelhi, 1996.

JOC

UCD 61
KONGUNADU ARTS AND SCIENCE COLLEGE
DEPARTMENT OF COSTUME DESIGN AND FASHION
Syllabus of JOC
Fashion Designing

Objectives:

- To impart Knowledge in Fashion designing concepts.
- To inculcate the knowledge of fabric surface embellishments.
- To enable students gain Knowledge in Wardrobe planning and scope of fashion designing.

Total Hours- 30

UNIT I:

(6 hours)

Design-Definition, types-structural and decorative design and their requirements

Definition of fashion, style and fad. Terms related to the fashion industry - boutique, collection, Mannequin, chic, classic, custom made, fashion shows, fashion cycle, fashion trend, and high fashion.

UNIT II:

(6 hours)

Wardrobe planning for different age groups, factors influencing wardrobe selection, Fashion and season, Designing dresses for different occasions – business meetings, parties/ dinners, evenings/leisure hours, marriage functions, sports, uniforms for civil service, airhostess, schools – girls and boys (school, high school).

UNIT III:

(8 hours)

Embroidery- Materials Used, Design Sources - Methods of transferring Designs. Hand Embroidery- Chain, Feather, Stem, Fly, Satin, Herring Bone, Lazy-Daisy, Bullion Knot, French knot, and Button Hole.

UNIT IV:

(5 hours)

Fabric Painting – Outline drawing, Shading with dry and wet strokes. Stencil preparation and use of stencils to produce designs - tooth brush spraying and other creative techniques.

UNIT V:

(5 hours)

Career Opportunities in Fashion design as an Entrepreneur, Fashion designer, Quality controller, Merchandiser, Visual merchandiser, Fashion coordinator, Merchandiser, Pattern maker, Fashion Event Manager, Faculty in Fashion Institutes, Accessory designer, Textile designer, Product line manager, Product controller, Faculty in Textile research institutes

REFERENCES

1. Elements of Fashion and Apparel Designing, Sumathi.G.D. New Age International, New Delhi, 2005.
2. Fashion- From Concept to Consumer- Gini Stephens Firings, 6th Edition Prentice Hall (1999).
3. Practical clothing construction – Part I and II, Mary Mathews, cosmic Press, Chennai (1986).
4. Practical cutting and Tailoring part II Eshwasri Anwahi, Lakhraj Hans R.B Publications, Delhi.

UCD 62
BASICS OF COSMETOLOGY

OBJECTIVES

- To gain knowledge about personal grooming
- To enable the student to develop knowledge in dressing and makeup to the Etiquettes

Total Hours- 30

Unit I: **(6 hours)**

Self grooming and its importance

Unit II: **(6 hours)**

Pedicure -basic pedicure technique

Unit III: **(6 hours)**

Manicure- shaping of nails, removal of the cuticles, mehendi- Classical, Arabic, Glitter and Painting and nail art

Unit IV: **(6 hours)**

Skin types, skin tones and basic facial

Unit V: **(6 hours)**

Face makeup and Hair styles for occasions

REFERENCES

1. Milady standard cosmetology ,Catherine M. Frangie Milady Publishing Company, 13th edition 2014
2. Natural Beauty Secrets from India, Roshini Dayal, Tata publishing Enterprises, LLC, 2008.
3. The complete book of hairstyling, P.J.Fitzgerald, 2003

UCD 63

VALUE ADDITION ON FABRIC: DYEING

OBJECTIVES

- To enable students to gain knowledge on colour and its value addition on fabric.
- To gain practical skill in dyeing techniques

Total Hours- 30
(6 hours)

Unit I :

Colour, colour theory, prangs chart- colour harmonies.

Unit II :

(6 hours)

Types of Fabrics, Desizing of cotton fabric for dyeing, types of dye.

Unit III :

(6 hours)

Dyeing methods- direct and basic dyeing

Unit IV :

(6 hours)

Dyeing techniques: Tie & dye-knotting, pegging and pleating.

Unit V :

(6 hours)

Batik – crackling and special effects.

TEXT BOOKS

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneet kaur, Dream Tech Press, New Delhi, 2010
2. Textiles-Fabrics and their Selection, Wingate IB, Allied Publishers, Chennai, 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, Mc Graw Hill Book Co, Singapore, 1985

REFERENCES:

1. Thickening Agents and Emulsion Thickenings in Textile Printing – Herbert Barthm, New Delhi, 1994.
2. Understanding Textiles -Phyllis G.Tortora, Collier Macmillan Publishers, London 1982.

UCD 64

PRINTING TECHNIQUES

OBJECTIVES

- To enable students to gain knowledge on colour and its value addition on fabric.
- To gain practical skill in printing techniques

	Total Hours- 30
Unit I :	(6 hours)
Colour, colour theory, prangs colour chart, colour harmonies	
Unit II:	(6 hours)
Printing, preparatory process of fabric and table for printing,	
Unit III :	(6 hours)
Styles of printing- stencil – preparation of stencil and stencilling techniques.	
Unit IV:	(6 hours)
Block- Preparation and application of vegetable blocks.	
Unit V:	(6 hours)
Product development.	

TEXT BOOKS

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneet kaur, Dream Tech Press, New Delhi, 2010
2. Textiles-Fabrics and their Selection, Wingate IB, Allied Publishers, Chennai, 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, Mc Graw Hill Book Co, Singapore, 1985

REFERENCES:

1. Thickening Agents and Emulsion Thickenings in Textile Printing – Herbert Barthm, New Delhi, 1994.
2. Understanding Textiles -Phyllis G.Tortora, Collier Macmillan Publishers, London 1982.

UCD 65

JEWELLERY MAKING

OBJECTIVES

- To impart knowledge on fashion jewelry making
- To provide opportunity for skill development in jewelry making

Total Hours- 30

Unit I:

Jewellery, Materials used for jewellery making, Tools required

(6 hours)

Unit II:

Making of earrings, neck chains

(6 hours)

Unit III:

Making of anklets, bracelets

(6 hours)

Unit IV:

Making of hip chains, rings

(6 hours)

Unit V:

Making of bangles

(6 hours)

TEXTBOOKS:

1. Encyclopedia of Fashion Accessories, Phyllis Tortora, OM Books International, 2005

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COIMBATORE - 641 029

Question Paper Pattern

Question Paper Pattern for 2015-16 batch onwards for **JOC - Fashion Designing**

Duration: 3 Hours

Maximum Marks:75

Section- A (10 x 1= 10 Marks)

Answer all the Questions

Choose the best answer with four fragments

Section B (5 x5 = 25 Marks)

Short Answers, either or type, one question from each unit

Section C (5 x 8 = 40 Marks)

Essay type Questions, either or type, one question from each unit

