

**GOVERNMENT COLLEGE FOR WOMEN**

**GANDHI NAGAR, JAMMU**

**SYLLABUS**

**M.Sc. Clothing and Textiles (Home Science)**

*Department of Home Science*

*w.e.f. Academic Year 2015-16*

## Semester Wise Distribution of Courses and Credits

### Semester I

Course Code	Paper	Credits	Evaluation Scheme		
			External	Internal	Total
HCT101	Textiles & Costumes: Historical Perspectives	4	80	20	100
HCT102	Research Methods & Statistics	4	80	20	100
HCT103	Textile Chemistry	4	80	20	100
HCT104	Pattern Making & Construction Techniques	4	80	20	100
HCT105	Textile Chemistry (Practicals)	4	50	50	100
HCT106	Pattern Making & Construction Techniques (Practicals)	4	50	50	100
	Total	24	480	120	600

### Semester II

Course Code	Paper	Credits	Evaluation Scheme		
			External	Internal	Total
HCT201	Entrepreneurship Development in Clothing and Textiles	4	80	20	100
HCT202	Social and Psychological Aspects of Clothing	4	80	20	100
HCT203	Dyeing and Printing of Textiles	4	80	20	100
HCT204	Apparel And Textile Designing	4	80	20	100
HCT205	Dyeing and Printing of Textiles (Practicals)	4	50	50	100
HCT206	Apparel And Textile Designing (Practicals)	4	50	50	100
	Total	24	480	120	600

### Semester III

Course Code	Paper	Credits	Evaluation Scheme		
			External	Internal	Total
HCT301	Textile Industry in India	4	80	20	100
HCT302	Fashion Marketing And Merchandising	4	80	20	100
HCT303	Technical Textiles	4	80	20	100
HCT304	Fashion Designing	4	50	50	100
HCT305	Fashion Designing (practical)	4	50	50	100
HCT306	Internship	2	75	75	150
	Total	24	415	185	600

### Semester IV

Course Code	Paper	Credits	Evaluation Scheme		
			External	Internal	Total
HCT401	Advance Draping	4	80	20	100
HCT402	Textile Testing	4	80	20	100
HCT403	Textile Testing (Practicals)	4	50	50	100
HCT404	Advance Draping (practicals)	4	50	50	100
HCT405	Dissertation	8	100	100	200
	Total	24	360	240	600

**First semester  
Detailed Syllabus**

**Course code: HCT101**

**Paper: Textiles and Costumes:  
Historical Perspectives**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**Teaching Periods: 6/week**

**a) Semester Exam: 80  
b) Sessional Assessment:20**

Syllabus for the examination to be held in years Dec. 2015, Dec. 2016 and Dec. 2017

**Objectives:**

1. To enable students to gain knowledge on historic costumes and textiles of India
2. To study the design and constructional details of textiles & costume of India

**UNIT: I**

- ❖ History of Clothing & Textiles, Introduction, Pre-historic reference, development, adoption of fibrous apparel, initial manufacture of clothes.
- ❖ Earlier decoration of textiles
- ❖ Types of ornaments used in the beginning
- ❖ Tattooing, mutilation and other methods of skin decoration.

**Unit - II**

Historic approach from ancient period to 20th Century

- ❖ Dress in Harappa and Mohan-Jo-Daro.
- ❖ Dress of Aryans.
- ❖ Dress during 600 BC to 320 AD (Buddhist & Jains).
- ❖ Dress during 320 AD to 1100 AD (Brahmin Contest).
- ❖ Dress during 1100 AD to 1730 AD (Islamic Influence).
- ❖ Dress during 1730 AD to 1947 AD (British Period).

**Unit – III**

Study of regional costumes of Indian states in relation to fabrics, motifs and related accessories of:

- ❖ Northern (Jammu and Kashmir, Punjab, H.P)
- ❖ Western (Gujarat, Rajasthan)
- ❖ Eastern (Nagaland, Manipur, Meghalaya, Sikkim, West Bengal )
- ❖ Central (Maharashtra, Madhya Pradesh )
- ❖ Southern (Andhra Pradesh, Tamil Nadu, Karnataka, Kerala)

**Unit – IV**

Study of Traditional textiles of India

- ❖ Hand woven Textiles of India

Dacca Muslins, Baluchar, Buttedar, Chanderi, Maheshwari Sarees, Patola, Ikkat, Bandhani, Paithani & Pitamber, Brocades Of Banaras, Mulmul, Jamdani, Himrus & Amrus, Pochampalli, Kashmir shawls and Carpets

- ❖ Dyed and Printed textiles of India  
Tie and Dye, Batik, Madhubani Painting, Kalamkari, Calico prints of Samba (Jammu)
- ❖ Embroidered textiles of India:  
Kashida of Kashmir, Kinari work of Jammu ,Embroidery on shawls, Phulkari of Punjab, Kantha of Bengal, Chamba Rumals, Chikankari, Pipli Work, Sindhi Embroidery, Embroidery of Kutch.

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

### **REFERENCES**

1. Bosomworth Dorothy (1995): The Encyclopedia of Patterns and Motifs, Studio Editions, London.
2. Ginsburgh, M. (1977): Embroidery, Marshall Cavendish Editions, London.
3. Guy John (1998): Woven Cargos, Thames and Hudson.
4. Harris Jennifer (1993): Textiles 5000 years, Henry and Brans Inc., New York.
5. Jones Owen (1997): The Grammar of Omament, Bernard Quatrach, London.
6. Lewis, E. (2003). The Romance of Textiles: The Story of Design in Weaving. Harvard (18th ed). New York: Macmillan.
7. . Paine Sheila (1990): Embroidered Textiles Traditions, Thames and Hudson, London.
8. Stone Miller Rebecca (1994): To weave for the Sun, Thames and Hudson, London.
9. Readers Digest (2000): History of Man- The Last Two Million Years.
10. Thames and Hudson, (1999). Traditional Indian textiles, London,
11. History of Fashion, Anderson Black J, orbis publishing Ltd, USA 1985.
12. Ritukumar, (2006) Costumes & textiles of Royal India, , Christies Book Ltd, London.
13. Roshen Alkazi, (2006). Ancient and Medieval Indian Costume, Vol. I and II Art Heritage
14. Swarup, S. (2012) Costumes and Textiles of Awadh.rolli books,Bangalore.

**First semester  
Detailed Syllabus**

**Course code: HCT102**

**Paper: Research Methods & Statistics**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2015, Dec. 2016 and Dec. 2017

**Objectives:**

1. Underline the significance of research Methodology in research.
2. Develop ability to construct data gathering, instruments appropriate to the research design.
3. Develop ability present and interpret data in a research report or thesis.
4. Understand the role of statistics in research.
5. Apply statistical techniques to research data for analyzing and interpreting data meaningfully

**Unit I**

- 1.1 Nature and purpose of scientific enquiry, definition and objectives of research, Need for research in Home Science
- 1.2 Basic concepts of research: Constructs, Variables, Theory, facts, Hypothesis, Research problem, steps of a research process
- 1.3 Research designs-Concept and Types, Research designs, on basis of application- pure and applied, on the basis of Techniques / Methodology – exploratory and descriptive, Qualitative and Quantitative, experimental.

**Unit II**

- 2.1 Sampling : Population and sample, Probability and non-probability sampling techniques.
- 2.2 Data collection- Primary and secondary sources of data, Classification, tabulation and graphical presentation of data.
- 2.3 Statistics- Definition, Descriptive and Inferential, Measures of central tendency ( mean, mode, median), measures of variation( Range and standard deviation)

**Unit III**

- 3.1 Normal distribution curve
- 3.2 Hypothesis testing: procedure, types of errors, one tailed/ two tailed tests, standard error, levels of significance
- 3.3 Concept of parametric and non-parametric tests, Z test, t test, Chi Square test, ANOVA (one way/two way)

**Unit IV**

- 4.1 Correlation and regression: Concept, Karl Pearson's and Spearman's methods, Regression and prediction

- 4.2 Usage of Computers and internet in research and statistical analysis
- 4.3 Scientific writing: Types of scientific writing-Written, oral and poster presentation, drafting a research report.

**Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

**Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

**References:**

- Bandarkar, P.L. and Wilkinson T.S.(2000):Methodology and Techniques of Social Research, Himalaya Publishing House, Mumbai.
- Bhatnagar, G.L.(1990):Research Methods and Measurements in Behavioral and Social Sciences,Agri.Cole Publishing Acedemy,New Delhi.
- Dooley. (1995): Strategies for interpreting Qualitative Data; Sage Publications, California.
- Gay, L.R. (1981, 2nd ED): Educational Research, Charles, E.Merill, and Columbus, Ohio.
- Long, J.S. (ED) (1998): Common Problems Proper Solutions: Avoiding Errors in Quantitative Research, Beverly Hills, Sage Publications, California.
- Mukherjee, R. (1989):The Quality of life: Valuation in Social Research, Sage Publication, New Delhi.
- Stranss, A. and Corbin. (1990): Basic of Qualitative Research: Grounded Theory Procedures and Techniques, Sage Publication, California.
- Anastasi, A.and Urbana's.(1997). Psychological Testing (7<sup>th</sup> edition).Indian Reprint.Dehli Pearsons Education.
- Bell,J.(1999).Doing Your Research Project: Guide for First Time Researchers In Social Sciences: New Delhi:Viva Books.
- Minimum, E.W.,King,B.M. and Bear,G.(1995).Statistical Reasoning In Psychology and Education. New York:John wiley & Sons
- Gupta, S.P.and Gupta,A.(1998).Statistical Methods. New Dehli: Sultan Chand.
- McBurney, Donald H and White, Theresa L (2007) ,Research Methods ( Indian edition, 7<sup>th</sup>), Thomson Wadsworth
- Ahuja, Ram (2009, reprint),Research Methods, Rawat Publications
- Kerlinger, Fred N (2011, reprint) Foundations of Behavioral Research,
- Kothari, DS( 2013), Research Methodology: Methods and Techniques ( 2<sup>nd</sup> Ed), New Delhi: New age Publishers.

**First semester  
Detailed Syllabus**

**Course code: HCT103**

**Paper: Textile Chemistry**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2015, Dec. 2016 and Dec. 2017

**Objectives**

1. To enable student to study polymer chemistry of textile fibre.
2. To acquire the chemical knowledge of different type of fibers.
3. To gain knowledge of chemistry of finishes.

**Unit -I**

- ❖ Introduction: need to study textile chemistry
- ❖ Polymer Chemistry:
  - Polymer, methods of polymerization, polymerization process.
  - Definition of co-polymer, oligomer, graft-co-polymer.
  - Degree of Polymerization, use of X-Ray diffraction method in investigating
  - Molecular structure of textile fibres.
  - Orientation and crystallinity of polymers their influence on fibre properties.

**Unit III**

- ❖ Chemistry of Natural Fibres:
  - Cellulosic fibres (cotton, Jute, flax) Introduction, varieties, properties, longitudinal and cross sectional view. Chemical composition, molecular structure, manufacturing and uses. Action of acids and alkalis, hydrocellulose and oxycellulose.
  - Protein fibres: - (Wool & silk) Chemical composition, molecular structure, manufacturing and uses; physical & chemical properties action of acids & alkalis and other chemicals. Felting of wool, degumming and weighting of silk, shrink proofing of wool.
  - Mineral fibres: (asbestos, glass, Gold and silver) in brief

**Unit –III**

Chemistry of Man- made and synthetic fibres:

- ❖ Regenerated Cellulosic fibres: - Viscose-rayon, cuprammonium rayon, cellulose acetate, Polynosic - properties, longitudinal and cross sectional view. Chemical composition, molecular structure, manufacture and uses.
- ❖ Synthetic Fibres: - Polyester (Terylene, Dacron) Polyamide (Nylon 6, Nylon 66) and acrylonitrile fibres. Chemistry of fibres: - Raw material, manufacturing process from polymer to fibre stage. Physical & chemical properties their uses in textile & clothing. Comparison of wet, dry and melt spinning methods.



## Unit – IV

- ❖ Chemistry of Finishes:
- ❖ Importance & classification
  - ❖ Mechanical finishes: Singeing, calendering, tentering, crabbing, decatizing, glazing, schreinerizing, embossing, moiring, cireing, beetling, raising, napping, sanding, crepe, shearing, weighting.
  - ❖ Chemical finishes: - Mercerization, parchemisation, wrinkle resistant finishes, chlorination, burnt-out effect.
  - ❖ Special purpose finishes : - Flame retardant, water repellent, antistatic, stain & soil release, moth proofing, mildew proofing, antimicrobial, absorbency finishes.

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

### **REFERENCES**

- Chatterjee and Gupta, (2002). Textile Science and Technology (Volume 13). Elsevier: East Brunswick, USA.
- Mather, R.R., & Wardman, R.H (2011). The Chemistry of Textile Fibres. RSC publishing, USA.
- Shenai, V.A. (1984) : Technology of Textile Processing, Vol.-IX, Sevak Publication
- Cook, J. Gordon, Hand Book of Textile Fibres, Man-Made Fibres, Merrow Publishing Co. Ltd. England.
- Shenai V.A., (1991). Textile Fibres, (3rd edition) Sevak Publications, Bombay.
- Trotman, E.R. (1975): Dyeing and Chemical Technology of Textile Fibres Charles Griffino Company Ltd., London.
- Corbman,B.P (1985). Fiber to fabric, (6 edition) McGrawHill Internatinal editins.
- Marsh; J.T. (1979): An Introduction to Textile Finishing, B.I., Publications.
- Mark H., wooding N.S. & Atlas, Smeeds, (1970): Chemical after Treatment of Textiles, John Willey & Sons Inc., NY.
- Lewin, M. and Sello, Stephen B. (1983): Handbook of Fiber Science and Technology. Vol. II, Chemical Process of Fibers and Fabrics, Functional Finishes- Part A, Marcel Deker,Inc., NY and Basel.
- Shenai, V.A. (1991): Introduction to the Chemistry of Dyestuffs, Sevak, Prakashan.

**First semester  
Detailed Syllabus**

**Course code: HCT 104**

**Paper: Pattern Making &  
Construction Techniques**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2015, Dec. 2016 and Dec. 2017

**Objectives :**

- 1 To enable students to select design and draft patterns for various garment based on body measurements.
- 2 To gain experience in handling of different fabrics and advanced construction techniques.
- 3 To develop understanding of the relation of the pattern and garment to the body measurement.

**Unit –I**

- ❖ Tools and equipment used for pattern making and clothing construction.
  - Varieties and special attachment.
  - Common problems causes and remedies.
- ❖ Importance of body measurement
  - how to take body measurements for different types of garment
  - taking and comparing measurements.

**UNIT – II**

- ❖ Working with patterns :
  - Reading pattern envelope, understanding pattern markings
- ❖ Pattern making – principles, methods of making patterns, Use of commercial patterns.
- ❖ Pattern alteration, lengthening and shortening patterns, making bust, shoulder, crotch length alteration, increasing and decreasing waistline and hipline, neckline and sleeve alteration.

**UNIT-III**

- ❖ Pattern Grading-
- ❖ Introduction to grading
  - General Principles
  - Practical principles
- ❖ Basic grading applications-Master grades, Basic whole back, Front, Sleeve Collar, Neck piece. Different methods of grading patterns.
  - ❖ Fabric Types: their selecting, handling of different type of fabric. Preparation of fabric for cutting, layouts for different type of garment, basic cutting procedures (tracing, pinning and cutting) working with checks and stripes.

## **UNIT – IV**

- ❖ Fitting – factors affecting good fit, common problems encountered and remedies for fitting defects (upper and lower garments)
- ❖ Costing-
  - Method of costing
  - Element cost for fabric
  - Calculating cost for a fabric

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

### **References :**

- 1 Doling Kindersley, The complete book of sewing.
- 2 Erwin Mable D. Practical Dress Design, New ork. Man Milan Co. 1964
- 3 Gerry Cookin, Pattern Grading for women's clothes, published by Om book service.
- 4 Gerry Cookline, Garments-Technology for Fashion Designers.
- 5 Juverk W.B. Easy Cutting.
- 6 Ireland Patric : Basic Fashion Design, London, B.T. Bastsford Ltd., 1972
- 7 Reader Digest- Complete guide to sewing, Reader's Digest Association, 1982
- 8 Strickland Getrude, A Tailoring Manual. New York, Mac Milan, 1976
- 9 Singers Sewing Book
- 10 Zarpekar K.R. System of cutting Bombya, Zarpekar Tailoring College.

## **First Semester**

**Course Code: HCT105**

**Paper: Textile Chemistry (Practical)**

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 50**

**b) Sessional Assessment:50**

**Teaching Periods: 9/week**

- ❖ Identification of fibres: - (Cotton, Polyester, Viscose, Polyamide, silk, Wool etc.) Use of burning test, Microscopic examination, chemical test & solubility.
- ❖ Qualitative & Quantitative analysis of binary blends - Polyester/ cotton, Polyester/viscose, polyester/wool, cotton/ wool.
- ❖ Effect of degumming on silk.

## **First semester**

**Course Code: HCT106**

**Paper:** Pattern marking & construction  
Techniques (Practical)

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 50**

**b) Sessional Assessment:50**

**Teaching Periods: 9/week**

- ❖ Making patterns for different type of garments(child's bodice block, adults bodice block , salwar and kameez block)
- ❖ Grading of patterns.
- ❖ Designing through flat pattern - Dart manipulation
- ❖ Preparing envelop with details.
- ❖ Designing, cutting and stitching of any one garment

## **Second Semester Detailed Syllabus**

**Course code: HCT 201**

**Paper:** Entrepreneurship Development in  
Textile and Clothing

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

### **Objectives :-**

1. To promote entrepreneurship skills among student
2. To understand the process and procedure of setting up small enterprises.
3. To develop management skills for entrepreneurship developments.

### **UNIT-I**

- ❖ Introduction to Retailing, Definition ,Functions performed by retailers
- ❖ Multi channel Retailing, Store channel ,Catalog channel, Internet channel
- ❖ Customer Buying Behavior ,The buying process ,Types of buying decisions
- ❖ Social factors influencing the buying process ,Family, Reference groups, Culture

### **UNIT-II**

- ❖ Retail locations ,Types of locations ,Free standing sites, City or Town locations
- ❖ Evaluating a site for locating a retail store,Traffic flow and accessibility,location characteristics
- ❖ Negotiating a lease, types of Leases ,Terms of Lease

### **UNIT –III**

- ❖ Customer Relationship Management ,Collecting customer data ,Analyzing customer data and identifying target customers, converting good customers into best customers ,dealing with unprofitable customers
- ❖ Retail Pricing ,Considerations in setting retail prices , Price adjustments ,Markdowns, Variable pricing and price discrimination ,Pricing Strategies ,High / Low Pricing,

- ❖ Everyday low pricing ,Pricing Techniques for increasing sales ,Leader pricing, Price lining, Odd pricing

#### **UNIT - IV**

- ❖ Managing the Boutique,Store management responsibilities, Controlling costs, Labour scheduling, store maintenance, Reducing inventory shrinkage
- ❖ Boutique Design ,Layouts ,signage and Graphics, Feature Areas ,Space management, Visual Merchandising, Fixtures, Presentation techniques
- ❖ Customer Service strategies, Service recovery Listening to customers, Providing a fair solution, Resolving problems quickly.

#### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

#### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

#### **REFERENCES :-**

- 1) Akhauri, M.M.P. (1990), Entrepreneurship for Women in India, NIESBUD, New Delhi.
- 2) Patel, V.C. (1987), Women Entrepreneurship - Developing New Entrepreneurs, Ahmedabad EB 11.
- 3) Hisrich, R.D. and Peters M.P. (1995), Entrepreneurship - Starting, developing and managing a new enterprise, INC USA.
- 4) Entrepreneurs only, Harell, career Publications., New Jersey, 1995
- 5) Management for Development, Vikram Sarabhai, Vikas Pub., 1974.
- 6) Entrepreneurship and Rural Markets, Rajagopal.
- 7) Principles of Management, Terry & Franklin, AITBS, 2002.
- 8) Retailing Management by Michael Levy, Barton A Weitz, Ajay Pandit
- 9) The Business of Fashion designing, Manufacturing and Marketing by Leslie Davis Burns, Nancy O Bryant
- 10) Inside fashion Business by Dickerson Kitty G

## Second Semester Detailed Syllabus

**Course code: HCT202**

**Paper: Social And Psychological  
Aspects Of Clothing**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2015, Dec. 2016 and Dec. 2017

### **Objectives:**

1. To study origin and theories of clothing
2. To enable student to study the psychological and social aspect of clothing in social situation.

### **UNIT – I**

- ❖ Origin of Clothing
- ❖ Theories of clothing – theory of modesty, immodesty, protection, adornment, combined need theory, other theories in fashion.
- ❖ Relation between clothing and other disciplines.
- ❖ Clothing and first impressions.

### **UNIT – II**

- ❖ Relation between clothing and the wearer
  - Personality and self concept.
  - Motivation in clothing choices.
  - Individual values, interests and attitudes related to clothing.
- ❖ Behaviour and clothing choices, practices and effect and clothing on the individual.
- ❖ Clothing and Society.
  - Clothing and social behavior
  - Clothing influenced by religion and culture.
  - Clothes and conformity
  - Clothes and occupation
- ❖ Uniforms in schools and college.

### **UNIT-III**

- ❖ Psychological aspects of clothing-
  - For adolescents, adults and old age: self respect, human dignity, emotional response, sex desirability, self expression, individuality.
- ❖ Psychological effect of clothing on children.
- ❖ Importance of effect of colour in clothing



- Clothes and colour and impact of colour.
  - Sex differences in use of colour.
  - Colours for different occasions and ceremonies.

#### **UNIT-IV**

- ❖ Sociological aspects of clothing-changes in society and culture.
  - Meaning of style, fashion and fad
  - Influence of fashion and fashion changes,
  - Role of uniform, occupational clothes, national clothes.
  - Class distinction and socio- economic status.
  - Family and social influencing.

#### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

#### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

#### **REFERENCES:**

1. Avis, M. Dry (1961): The Psychology of Jung, Methuen & Co., London.
2. Horn, Marilyu J. (1988): The Second Skin, Houghton Mifflin Co., USA.
3. Flugel, J.C. (1950): The psycho – analytical study of the family, The Hograth Press & the Institute of Psycho Analysis, London.
4. Flint, I. (2011) Second Skin . Murdoch Books
5. J.C. Flugel (2000).The Psychology of clothing, Fontana Press, London.
6. Mahal D. Erooin (1999).Clothing for modern colliear Mac Millan Publisher.
7. Susan B. Kaiser(2006). The Social Psychology of Clothing: Symbolic Appearances in Context Fairchild Books & Visuals
8. Vincent Brome (2001). The Psycho-Analytic Study of the Family. House of Stratus

## Second Semester Detailed Syllabus

**Course code: HCT203**

**Paper: Dyeing and Printing Of Textiles**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**Teaching Periods: 6/week**

**b) Sessional Assessment:20**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

### Objectives :-

1. To understand the theory and principles of dyeing and printing in relation to various classes of dyes
2. To develop technical competency in dyeing and printing with different dyes on different fabrics.

### UNIT – I

- ❖ Preparation of fabric for dyeing and printing
  - Scouring, bleaching, desizing
  - Reagents used and their application
  - Specific preparatory steps for cotton, wool, silk and man-made fibres.
  - Equipments used at cottage and industrial level for yarn, fabric and price goods.
- ❖ Dyes
  - Classification, definition, components.
  - Colour and chemical constitution of dyes, C.I generic number.
  - Dyeing with chemical dyes.
  - Direct, reactive, vat, sulphur, azo (for cellulosic).
  - Acid, metal complex, chromeomordant (for proteins).
  - Basic, disperse (for man-made).
- ❖ Dyeing auxiliaries

### UNIT – II

- ❖ Dyeing with Natural dyes
  - Use of pigments
- ❖ Dyeing machines for fiber, yarn and fibers.
  - Industrial dyeing practices.
  - Dyeing of blends.
- ❖ Textile design through dyeing
  - Tie and Dye

- Batik
- Level & Cross dyeing
- ❖ Dyeing defects and remedies.
- ❖ Advances in dyes & dyeing technology

### **UNIT – III**

- ❖ Introduction to printing – difference between dyeing and printing.
- ❖ Methods of printing:
  - Historical development of printing methods – block, stencil, screen roller and rotary screens used at cottage and industrial level.
  - Printing pastes – thickening agents and auxiliaries for printing and their suitability to various classes of dyes and fibers. Preparation of printing pastes for different dyes and different fibers.

### **UNIT – IV**

- ❖ . Styles of Printing
  - Direct style, resist or resource style, discharge style and raised style.
  - Styles and methods of printing traditionally used in India.
- ❖ Special Printing Procedures
  - Polychromatic dyeing, transfer printing, carpet printing, flock printing.
- ❖ Finishing and after treatment of printed goods at cottage and industrial level.
- ❖ Advances in printing technology.

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

**REFERENCES:**

1. Shenai (1987), Chemistry of Dyes and Principles of Dyeing Sevak Prakashan, Mumbai.
2. H. A. Lubs, Robert E. The Chemistry of Synthetic Dyes and pigments, Krieger Publishing Company, New York.
3. V. A. Shenai (1999), Azo Dyes – Facts and Figures – Sevak Prakashan, Mumbai.
4. R. S. Prayag, Technology Textile Printing – Noyes Data Corporation.
5. V.A. Shenai (1977), Technology of Printing – Technology of Textile Processing, Vol. IV, Sevak Publication.
6. M.L. Gulrajani and Deepti Gupta (1990), Natural dyes and their Application to Textiles”, ed. I.T.I. Delhi Publications.
7. John and Margarot Canno (1994), Dye Plants and Dyeing, The Herbert Press (UK).
8. ASTM and ISI Standards.
9. K. Venkatrama (1970), Chemistry of Synthetic Dyes, Part I and II.

## **Second Semester Detailed Syllabus**

**Course code: HCT204**

**Paper: Apparel and Textile Designing**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**Teaching Periods: 6/week**

**b) Sessional Assessment:20**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

### **OBJECTIVES:**

1. To develop skills in apparel & textile design.
2. To develop knowledge about the woven fabric formation, different types of weaves, analyze a fabric.

### **UNIT – I**

- ❖ Apparel designing:
  - Definition
  - Tools and equipments used
  - Principles & elements of design
  - Structural and applied designs
  - Use of trimmings and decorative features
- ❖ Introduction to leading Indian and foreign dress designers

### **UNIT – II**

- ❖ Factors influencing selection of fabric
- ❖ Special consideration in designing and layout of the garment for prints, stripes, checks, pile fabric.
- ❖ Handling of special fabric while cutting and stitching. (Deep pile, lace, velvet, chiffon, knits, leather)
- ❖ Supporting Fabrics: Interlining, Interfacing, Underlining: their functions and application

### **UNIT – III**

- ❖ Textile designing:
  - Meaning & importance
  - Different techniques/methods of textile designing
- ❖ Elements of Textile Design, Motifs, Styles, Repeats, Layouts, Exploration and Stylization of designs, Construction of designs from incomplete repeats.

## **Unit : IV**

- ❖ Construction of elementary weaves- its features and uses, plain, twill , satin.
- ❖ Absorbent fabrics- method of construction features, uses of diamond, diaper honeycomb, huck-a- back and mock- leno weaves.
- ❖ Dobby designing, introduction, Scope and uses, principle of operation, extra warp and weft designs, method of representation of designs.
- ❖ Jacquard designing, Principles of operation, harness and design calculations, size of repeat ,counts of design, paper construction and development of designs, prevention of long floats, insertion of weaves, conditions to observe while designing.

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

### **REFERENCES:**

1. □ Gioello and Berke : Figure Type And Size Ramnge, Fairchild Publications, New York.
2. Allen Anne Seaman Julian Fashion Drawing The Basic Principles B.T. Batsford Ltd. London.
3. □ Grociki, Z.J.: Textiles Design and Colour, London, Longmans Green and Co. Ltd.
4. William Watson: Advanced Textiles Design, London, Longmans Green and Co. Bombay.
5. Nisbet, H : Grammar of Textile Design, Tarapoprewale Sons and Co. Bomaby

## Second Semester

**Course Code: HCT 205**

**Paper: Dyeing and Printing Of Textiles**  
(Practical)

Duration of Examination: 3hrs

**Credits- 04**

**Teaching Periods: 9/week**

**Max-marks-100**

**a) Semester Exam: 50**

**b) Sessional Assessment: 50**

Preparation of fabric for dyeing and printing:

- Scouring
- Bleaching
- Desizing at cottage level.
- ❖ Dyeing of natural and synthetic fabrics with different dyes, shade matching.
- ❖ Creating designs on fabrics through various dyeing process
  - Tie & Dye
  - Batik
- ❖ Developing designs for block, stencil, screen printing and hand painting. (Sheet work).
- ❖ Printing – preparation of screens and stencils for printing.
  - Making samples with stencil, block, screen printings and hand painting on cotton.
- ❖ Make one article either of block, stencil, screen and hand painting.

## Second Semester

**Course Code: HCT206**

**Paper: Apparel And Textile Designing  
(Practical)**

Duration of Examination: 3hrs

**Credits- 04**

**Max-marks-100**

**Teaching Periods: 9/week**

**a) Semester Exam: 50**

**b) Sessional Assessment: 50**

- ❖ Geometrical, naturalized, stylized and traditional design development , enlarging, reducing and placement for allover pattern.
- ❖ Collection of fabric samples showing different textile designing techniques: printing, dyeing, weaving, fancy yarns, trimmings (sequins, beads etc.), embroidery, combinations (eg. printing + embroidery etc), finishes (glazing, napping, crepe, parchmentising etc.) and preparation of scrap book.
- ❖ Market survey of dress trimmings & collection of trimming samples



## **Third Semester Detailed Syllabus**

**Course code: HCT301**

**Paper: Textile Industry in India**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

### **Objective:**

- i) To know India's growth and development in textile industry.
- ii) To analyze the percentage growth rate in textile industry.
- iii) To examine the development in Printing and Dying Industry.

### **UNIT-I**

- ❖ Origin, Growth and Development of Indian Textile Industry ,Cotton, Wool, Silk, Rayon, Man-Made Textiles, Readymade garments
- ❖ Five year plans for the textile Industry , Recent plan and previous 5 Five year plans, Organizations related to the Textile and clothing Industry Concept of GATT, MFA, WTO, AIC, Globalization.

### **UNIT-II**

- ❖ Technological developments in Fiber Industry, Significance and uses
- ❖ Technological developments in Yarn Industry, significance and uses.

### **UNIT-III**

- ❖ Technological developments in Fabric Industry , woven, significance and uses.
- ❖ Technological developments in Fabric Industry , knitting, significance and uses.

### **UNIT-IV**

- ❖ Technological developments in Garment Industry, significance and uses.
- ❖ Technological developments in Processing Industry, significance and uses. Printing and dyeing industry.

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

**Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

**REFERENCES :**

1. Bernard P Corbman(1985) Textiles - Fiber to fabric, , 6th edition. Me Graw Hill Book Co, Singapore
2. Peter S, Trevor R, Mansour M(1996) Fabric forming systems, Noyes Publications, New Jersey, USA
3. Normia D'Souza( Fabric Care, , New Age International Pvt Ltd, New Delhi .
4. Ruddar Datt, KPM Sundharam,(2006) Indian Economy P:558, S. Chand & Company Ltd, New Delhi,.
5. S. K. Misra & V. K. Puri,(2006) Indian Economy P.450, Himalaya Publishing House, Delhi.
6. Francis C(2208), Industrial Economies, Indian Perspective, Himalaya Publishing House, Delhi.

**Third Semester  
Detailed Syllabus**

**Course code: HCT302**

**Paper: Fashion Merchandising And  
Marketing**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

Objectives :

1. To introduce students to aspects of fashion and textile marketing and merchandising
2. To impart knowledge about various product standards and product specifications and the process of product development towards market need.

**Unit I**

- ❖ Merchandising- Definition- Role of a Merchandiser
- ❖ Product development – definition – objective - product design and manufacturing - use of merchandising calendar.

**Unit II**

- ❖ Pricing- Specific pricing strategies- New product pricing, demand oriented pricing, cost oriented pricing, value based pricing, competition oriented pricing-Markups and markdowns
- ❖ Sourcing- Types of sourcing- factors affecting sourcing decision

**Unit III**

- ❖ Fashion Marketing Research, definition – purpose – types – research design.
- ❖ Consumer Behavior in Fashion And Retail Industry – fashion consumer decision making – market segmentation – Target marketing – Fashion marketing mix
- ❖ Marketing management – Responsibilities of a marketing manager

**Unit IV**

- ❖ Fashion marketing planning – introduction – planning process and objectives –definition of SWOT analysis– marketing strategy – fashion marketing plan
- ❖ Designing and marketing fashion products – introduction – new product development – product mix and Range planning.

### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

### **REFERENCES**

- Easey M(2009) Fashion Marketing, Third Edition, Blackwell Publishing.
- Moore K and Pareek N (2010)Marketing :The Basics, Routledge Publications.
- Kunz G I(2009) Merchandising: Theory, Principles and Practices ,Fairchild Publications.
- Frings G S (2007) Fashion from Concept to Consumer, Pearson Prentice Hall.
- Jarrow J A (2002) Inside the fashion Business, Prentice Hall.

## **Third Semester Detailed Syllabus**

**Course code: HCT 303**

**Paper: Technical Textiles**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

**Teaching Periods: 6/week**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

**Objectives :** To acquaint the students with the techniques of development in nano fiber and micro fibres and study the recent development in the field of technical textiles.

### **Unit I**

- ❖ Introduction: Definition & Scope of technical textiles, Application of technical textiles.
- ❖ Technical Fibres: Conventional, Natural, Regenerated, Synthetic
- ❖ Technical Yarns: Staple yarns and its types, Filament yarns and its types

### **Unit II**

- ❖ Technical Fabric Structures
  - Knitted: Weft knitted and warp knitted structures
  - Non Woven: Types of laying, Chemical bonding, Thermal bonding, Solvent bonding, Hydro entanglement
- ❖ Finishing of Technical Textiles:
  - Mechanical: Calendering, Raising, Shearing, Shrinkage, Heat Setting
  - Chemical: Flame retardants, Water repellency, Antistatic, Antimicrobial, Antifungal

### **Unit III**

- ❖ Geo Textiles: Introduction, Geo synthetics, Types of geo textiles, Geo textile fiber forming polymers. Essential properties: Mechanical properties, Filtration properties, Chemical resistance and uses.
- ❖ Nano Technology in Textiles: Classification of nano technology, Nano fibres and new classification, Common Application, Healthcare, Biotechnology and Environmental Engineering applications, Energy generation, defense and security applications as filters

### **Unit IV**

- ❖ Medical Textiles: Introduction, Fibers used, Non Implantable materials, Implantable materials, Healthcare/ Hygiene products

- ❖ Textiles in Defense: Introduction, Physical requirements for military textiles, Environmental requirements, Battlefield hazards, Flame, heat & flash protection.
- ❖ Textiles in Transport: Introduction, Application in Vehicles, Marine application

**Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

**Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

REFERENCES

- Horrocks, A. R and Anand, S C. (2000). Hand book of technical textiles, Wood head publishing ltd, England.
- Gulrajani (2013). Advances in dyeing and finishing of technical textiles, Wood head publishing ltd, England.
- Alagairusamy, R. (2013). Technical textile yarns, Woodhead Publishing Ltd
- Paul, K. Jayaraman, S. (2013). Intelligent Textiles and Clothing for Ballistic and NBC Protection, New Age Publishing.
- Chapmann, R. (2010). Application of Non woven in Technical textiles. Wood head publishing ltd, England.
- Kettley, S. (2014). Designing with Smart Fibers. Fairchild publishers

## **Third Semester Detailed Syllabus**

**Course code: HCT 304**

Duration of Examination: 3hrs.

**Credits- 04**

**Teaching Periods: 6/week**

**Paper: Fashion Designing**

**Max-marks-100**

**a) Semester Exam: 80**

**b) Sessional Assessment:20**

Syllabus for the examination to be held in years Dec. 2016, Dec. 2017 and Dec. 2018

### **Objectives:**

1. To gain knowledge about fashion sketching.
2. To develop an understanding structural and decorative design.
3. To apply art principle of design in creating dress designing and selecting suitable fabric for particular design

### **UNIT – I**

- ❖ Features of fashion style, acceptance, change.
- ❖ Factors affecting fashion, economic factors, sociological factors, psychological factors.
- ❖ Stages of the fashion, Adoption theories of fashion
- ❖ Fashion sketching, Introduction, drawing, aspects of drawing, tools, differences between normal and fashion figures.
- ❖ basic garment shape and accessories.

### **UNIT-II**

- ❖ Human proportion and figure construction, Methods of determining individual proportions, Heads theory.
- ❖ Women's ensembles for pear, diamond, round, hourglass, inverted triangle, straight body types.
- ❖ Men's ensembles for short and heavy, short and thin, tall and heavy, tall and thin, athletic body type.

### **UNIT-III**

- ❖ Design , definition, types - structural and decorative design and their requirements. Elements of design, Principles of Design, Applications of principles and elements of design in dress.
- ❖ Colour , definition, colour theories , prang colour chart and munsel system. Dimensions of colour, hue value and intensity & colour harmonies , design, principles applied to colour in dress design.

### **UNIT-IV**

- ❖ Methods of Dress making - home made, tailor made and readymade garments. Merits and Demerits.
- ❖ Factors affecting selection of clothing - choice of clothing, accessories to express individuality and distinction in appearance. Applications of basic principles in achieving pleasing personality
- ❖ Dress design- standards for judging costume , Aesthetic requirements for dress suitability to the individuals. Factors in personality , planning a wardrobe. Requirements for health and modesty.

- ❖ Planning of dressing, selection of material, texture, pattern, and colour. Suggestion for person who have unusual problems in dress. Trimmings and decorations used in dress. Adjuncts of dress, hats, hair dressing, shoes etc.

**Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

**Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

**REFERENCES :**

- Bina A(1998) Fashion Sketch Book Written & Illustrated , Fair child publications. New York.
- Mary Mathews,(2000) "Practical clothing construction"". Part II Cosmic press, Madras.
- Mr.Jimsoy and Hariet (2001)"Art and Fashion in clothing solution", Iowa state, University Press, Iowa,
- Gini Stephens Frings (2002)Fashion from Concept to Consumer, Prentice Hall.
- Suzanne G M, Mary K,(2000) Individuality, Prentice Hall.
- Kaur N(2010) Comdex fashion design, Vol I, Fashion Concepts, DreamTech Press,2010.
- Kaur N(2010) Comdex fashion design, Vol III, Designing and showcasing a fashion collection, DreamTech Press.



## **Third Semester**

**Course Code: HCT 305**

**Paper: Fashion Designing  
(practical)**

**Credits- 04**

**Max-marks-100**

**Teaching Periods: 9/week**

**a) Semester Exam: 50  
b) Sessional Assessment: 50**

1. Designing and constructing Children's garment of current trend – any 3 styles.
2. Designing and constructing Women's garment of current trend – any 3 styles.
3. Organizing a Fashion show

## **Third Semester Detailed Syllabus**

**Course Code: HCT 306**

**Paper: Internship**

**Credits- 06**

**Max-marks-150**

**a) Semester Exam: 75**

**b) Sessional Assessment: 75**

### **Objective:**

1. To enable the students to acquire an in depth understanding of the practical aspects of knowledge and skills through internship in clothing industry/fashion institutes/ boutiques/ embroidery /dyeing /printing units in the relevant subject/subjects.
2. It further intends to develop their analytical abilities for situation analysis and to devise means and ways for improvement in the existing system.

### **INTERNSHIP**

- ❖ The students shall be required to undergo an internship for a total duration of 4 weeks in their chosen area of interest/specialization that will facilitate their pursuing a professional career in the same field. They will be assigned the project work to be completed during the break after second semester.
- ❖ The organization/institute (public/private) providing internship facility to students should stand as good professional career support. It may include clothing industry/fashion institutes/ boutiques/ embroidery industries /dyeing or printing units etc.
- ❖ The students will be required to submit and present a report of the internship project after completion of the same.
- ❖ Each student shall be attached with one internal faculty member for providing necessary input for the successful completion of the internship project report.
- ❖ The report shall be evaluated out of 150 marks (External-75 marks, Internal-75marks) as per the following criteria:
- ❖ Student shall give a formal presentation of the report before the jury comprising of minimum three internal faculty members including internal supervisor.
- ❖ The marks will be awarded by the external examiner to be appointed by the examination division of the university.

## Fourth Semester Detailed Syllabus

**Course code: HCT 401**

**Paper:** Advance Draping

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**Teaching Periods: 6/week**

**b) Sessional Assessment: 20**

Syllabus for the examination to be held in years Dec. 2017, Dec. 2018 and Dec. 2019

### **Objectives:**

- 1 To teach students in detail the principles of draping fabric on the dress form for pattern making.
- 2 To develop an understanding to design in three dimension with the understanding of design/pattern.
- 3 To apply art principles of design in creating dreams designing and selecting suitable fabric particular design.

### **UNIT-I**

- ❖ **Fashion Illustration-** Aspect of fashion, good fashion illustration, design research and sources of ideas-films, T.V., painting, historic costume etc.
- ❖ Changes and development in fashion.
- ❖ Advertising and Sales promotion-Brand standard, labeling, Fashion Show, Exhibition, Display etc.

### **UNIT –II**

- ❖ **Fashion Drawing-** Basic figure drawing basic for men, women and children, anatomy, facial features movements and basic garment shapes. Quick sketching and interpretation of appeared design. Finished drawing.
- ❖ **Fashion Drawing-**Study of shaping devices gathers pleats darts, yokes, pockets cowls, princess line, sleeves collars etc.
- ❖ **Fashion accessories** shoes headgear hand back neck wears, other accessories.

### **UNIT – III**

- ❖ Preparation of adhesive dress form. Equipment needed, grain, preparation of fabric for draping, draping steps.
- ❖ Seam allowances marking and tracing. Making basic front and back skirt sleeve bodice block by draping on the dress form.
- ❖ Draping on the dress form – dart manipulation, pleats, darts, tucks and gathers. Neckline variation, armhole variation, waistline variation. The princess waist, yokes, basic cowls and variation.

#### **UNIT-IV**

- ❖ Skirts Flared, Skirt, Gored skirt, pleated skirt, hip yoke skirt.
- ❖ Draping of collars- mandarin collar, Band collars, convertible collar, peterpan collar, shawl collar.
- ❖ Draping sleeves-basic sleeve, dolman sleeve, raglan sleeve, kimonos sleeve.

#### **Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

#### **Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

#### **References .**

- 1 Koijiro Kamagai (1990) Children Fashion Illustration.
- 2 Koijiro Kamagai,(1990) Fashion Illustratin:. Expressing Texture
- 3 Hllihouse M.S. and Mansfield E.A(1998). Dress Design- Draping and Flat Pattern, London U.S.A. Houghton Meffin Co.
4. Jaffe H and Relis N(2011) Draping For fashion design,Prentice Hall Publisher.
- 5.Kisel K (2013) Draping:The complete course,Laurence king Publishing.
6. Sodhia M (2011) Advance drafting and draping,kalyani publishers.

## Fourth Semester Detailed Syllabus

**Course code: HCT 402**

**Paper: Textile Testing**

Duration of Examination: 3hrs.

**Credits- 04**

**Max-marks-100**

**a) Semester Exam: 80**

**Teaching Periods: 6/week**

**b) Sessional Assessment:20**

Syllabus for the examination to be held in years Dec. 2017, Dec. 2018 and Dec. 2019

### **Objectives :**

- 1 To acquire knowledge of various physical properties of textiles.
- 2 To develop an understanding of utility of different physical testing equipment.
- 3 To develop an understanding of the principles involved in different testing method of textiles.

### **UNIT – I**

- ❖ Objectives & importance of textile testing. Importance of standards, different types of standards, Introduction to internal bodies such as ISI, ASTM, BIS etc
- ❖ Quality control of textile products.
- ❖ Quality standards as applicable to various types of textiles (Garments yardage, knits, woven, carpets, processing, dyeing)

### **UNIT – II**

- ❖ Fiber Testing: Definition, objectives & method of testing staple length, mean length, short fiber percentage, fineness, evenness, maturity, tensile strength, elongation at break, interpretation of results.

### **UNIT – III**

- ❖ Yarn Testing: Definition, Objective and methods of testing count, Denier twist, diameter, crimp, tensile strength, elongation at break, stress strain curve, elastic recovery, yarn appearance & evenness, clothcover, interpretation of results.

### **UNIT – IV**

- ❖ **Fabric Testing:** Definition, objectives & methods of testing length, width, bow & skewness, thread count, ends & picks, weight, thickness, breaking strength, tear strength, bursting strength, abrasion, resistance, stiffness, drapability, pilling, crease recovery, handle, flammability & interpretations of results.
- ❖ Thermal properties of textile fibers: - Porosity and air & water permeability of fabrics, thermal conductivity. - Serviceability of fabrics-Service, wear abrasion, method of assessment.
- ❖ Garment finishing – color fastness, shrinkage.

**Note for paper setting:**

The question paper will consist of two sections

Section I (Weightage = 60 marks): Will consist of 8 long answer questions (2 from each unit with internal choice within the unit). Each question will be of 15 marks. The candidate will be required to answer one question from each unit (total 4 questions).

Section II (Weightage = 20 marks): Will consist of 8 short answer questions (2 from each unit, proportionately spread over the unit). Each question will be of 5 marks. The candidate will be required to answer any 4 questions.

**Distribution of Internal marks (20 marks)**

Class Test - 10 marks

Two written papers(assignment) – 10 (5 marks each)

**REFERENCES :**

- 1 J. E. Booth( Principle of Textile Testing – Meanness Butterworths London.
- 2 Grower & Hamley – Handbook of Textile Testing and quality control wileg.
- 3 John H. Skihle – Textile Testing – Chemical Publishing Co. Inc. Brooklyn, New
- 6 Here J.W.S. and Paters P.H. The Physical Testing of Textile Fibres. The Textile Institute Heinmann 1975

## Fourth Semester

**Course Code: HCT 403**

**Paper: Textile Testing  
(Practical)**

**Credits- 04**

**Max-marks-100**

**Teaching Periods: 9/week**

**a) Semester Exam: 50**

**b) Sessional Assessment: 50**

### I. Yarn Tests

(a) Count (b) Breaking strength (c) twist (d) Crimp

### II. Fabric Analysis

(a) Thread count (b) Weight (c) Thickness (d) A

(b) abrasion

(e) Strength (Tensile, Tear, Bursting) (f) Crease Recovery

(g) Dimensional changes in laundering (h) Stiffness

### III. Color Partners to

(a) Laundering (b) Crocking (c) Pressing Dry and Wet

(d) Perspiration – Acid and Alkaline.

## Fourth Semester

**Course Code: HCT 404**

**Paper: Advance Draping  
(Practical)**

**Credits- 04**

**Max-marks-100**

**Teaching Periods: 9/week**

**a) Semester Exam: 50**

**b) Sessional Assessment: 50**

- ❖ Sketches with various patterns and styles in garment on basic croques for men, women and children, skirt/ blouse frocks, swim suit, height wear sportswear, summer wear, salwar kameez.
- ❖ Creating and constructing new styles in following garment by draping method.

Skirts (ii) Blouse or Top (iii) Jacket (iv) Evening Dress (v) Salwar Kameez.



## **Fourth Semester Detailed Syllabus**

**Course code: HCT405**

**Paper: Dissertation**

**Credits- 08**

**Max-marks-200**

### **Objective:**

1. To undertake an independent piece of research work in an issue of contemporary concern that candidate to the advancement of knowledge in the field of clothing and textiles. The student is required to submit a dissertation at the end of the IV th semester.
2. The student will be guided and supervised by a member of the teaching faculty of the department. However, the dissertation in which the research culminates should reflect the students' own work.