

## MSc Clothing & Textiles

### SEMESTER I

Course Code	Course Title	L-T-P	Credits
HCT 801	Traditional & Current Perspective of Clothing	3 – 0 – 0	3
HCT 802	Textile and Apparel Designing	2 – 0 – 2	3
HCT 803	Textile Structure and Testing	2– 0 – 4	4
MAS 711	Statistics I	2– 0 – 2	3
ECON 705	Research Methodology	2– 0 – 4	4
		<b>11– 0 – 12</b>	<b>17</b>

### SEMESTER II

Course Code	Course Title	L-T-P	Credits
MAS 715	Statistics II	2 – 0 – 2	3
COMP 705	Computer Orientation	2 – 0 – 2	3
HCT 808	Textile Economics	3– 0 – 0	3
HCT 805	Fashion Designing	2– 0 – 2	3
HCT 806	Historic Costumes & Textiles	2– 0 – 2	3
		<b>10– 0 – 10</b>	<b>15</b>

### SEMESTER III

Course Code	Course Title	L-T-P	Credits
HCT 880	Seminar	0 – 0 – 2	2
HCT 807	Textile Auxiliaries and Colour Designing	2 – 0 – 2	3
		<b>2– 0 – 4</b>	<b>5</b>

### SEMESTER IV

Course Code	Course Title	L-T-P	Credits
HCT 899	Thesis	0 – 0 – 30	15
		<b>0– 0 – 30</b>	<b>15</b>

**Total Credits = 52**

## M.Sc. CLOTHING & TEXTILES

### HCT 801 TRADITIONAL & CURRENT PRESPECTIVE OF CLOTHING

#### Course Outline

<b>THEORY</b>	<b>Credits 3 (3-0-0)</b>
• Theories of evolution of clothing	2
• Development of costumes of the world with special reference to fibers	3
• Colours and designs	2
• Traditional costumes of North and East	5
• Traditional costumes of South India and their export potential	5
• Ancient and current Indian dresses	6
• Traditional ornaments and jewelry of different states of India	4
• Effect of clothes on physical and mental health	2
• Clothing & wearer: personality and self concept	3
• Motivation in choice of clothing across the life span	2
• Clothing and society	2
• Clothing and social behavior	2
• Effect of religion and culture, colour for different ceremonies and occasions	2
• Occupational clothes and conformity; individuality in clothing	2
• Fashion in clothing and its psychological importance	2
• Theories of fashion, fads and study of fashion trends	2
• Factors affecting fashion trends	2
<b>TOTAL</b>	<b>48</b>

#### Marks Distribution:

• Mid Term	:	30
• Assignments/ quizzes	:	10
• End term Examination	:	60

#### REFERENCES

- Pandit, S.. Indian Embroidery – It's variegated charms. Latest edition. Vinu Bai Patel, Baroda.
- Dhamija, J.S.2002.Handicrafts of India. National book trust, India.
- Deulkar.D.1994. Household Textiles and laundry work. Atmaram and Sons, Delhi
- Dhaniya, J and Jain, J. Handwoven Fabrics of India. Latest edition Mapin publishing Ltd., Ahmedabad.

**Note:** A visit to museum and art galleries will be organize to give the practical knowledge of traditional costumes to students.

## M.Sc. CLOTHING & TEXTILES

### HCT 802 TEXTILE & APPAREL DESIGNING

#### Course Outline

#### **THEORY**

**Credits 3(2-0-2)**

- Basic designing: geometrical, naturalized, stylized and traditional motifs in relation to textiles design development and adjustment 3
- The effect of yarn, weave and finishing process of textile on fashion 3
- Colour and general tone of the design 3
- Effect of textile design on the designed garment 2
- Selection of textile design for apparel home furnishing and other household 3
- Costume designing and flat pattern making 3
- Basic pattern and its fitting 3
- Fitting problems in blouse, sleeves and skirts 5
- Fabric textures, surface interest and body in relation to garment design 3
- Standardization of garments : Formation of standards and their care application 4

**TOTAL 32**

#### **PRACTICALS:**

- Designing of textile for different garments by using designing techniques 5
- Illustration of designs of dresses for children, ladies and fashion figures through sketching 6
- Sketching of embroidery designs in relation to different garment keeping in view the latest fashion 5

**TOTAL 16**

#### **Marks Distribution:**

- Mid Term :20
- Assignments /quizzes : 10
- Practicals : 30
- End term Examination : 40

#### **REFERENCES:**

- Hollen,N.R. Pattern making by flat pattern method. Latest Edition. Burgen Publishing Co., Minnesota
- Lewis,V.S. Comparative Clothing Construction Techniques. Latest Edition. Surjeet Pub. Delhi
- Shoben, Martin. Pattern Cutting and making up: The professional Approach. Latest Edition. CSB Publishers and Distributors (P) Ltd, New Delhi

- Hollen, N. R. Pattern making by flat pattern methods. Latest Edition. Burgess Publishing Co. Minnesota.

## M.Sc. CLOTHING & TEXTILES

### HCT 803 TEXTILE STRUCTURE AND TESTING

*Course Outline*

**THEORY**

*Credits 4(2-0-4)*

- Comprehensive classification of natural and man-made fibers:
  - Cellulosic fibres 2
  - Protein fibres 2
  - Manmade fibres 1
  - Mineral fibres 1
  - Synthetic fibres 1
- Structural requisites of textile fibers 2
- Chemical structure based properties of fibers 2
- Standards/ acts used in textiles and their importance 2
- Terminology used in textile testing 2
- Study of physical properties of textile fibers, yarns and fabrics 2
- Fibre-- Staple length, mean length, maturity, short fiber percentage fineness, evenness, diameter, fiber strength 5
- Yarn-- strength, count, denier, crimp, twist, stress-strain curve and elastic recovery 3
- Fabric-- strength, breaking, bursting, tear and ballistic strength, static electricity, thermal conductivity, air permeability, water repellency, thickness, shrinkage, pilling, abrasion resistance, colour fastness. 5
- Organization and objectives of various organizations related to textile testing 2

**TOTAL 32**

**PRACTICALS:**

- Action of different chemicals on fibers 4
- Methods of measuring various physical properties of textiles by using different instruments and interpretation of results: Fiber staple length, mean length, maturity, short fiber percentage, fineness, evenness, fiber strength, diameter 8
- Yarn strength, count, denier, crimp, twist, stress-strain curve, elastic recovery 10
- Fabric strength, breaking, bursting, tear and ballistic strength, static electricity, thermal conductivity, air permeability, water repellency, thickness, shrinkage, pilling, abrasion resistance, colour fastness 10

**TOTAL 32**

**Marks Distribution**

- Mid Term : 15
- Assignments /quizzes : 10
- Practicals : 45

- End term Examination : 30

**REFERENCES:**

- Vilensky, L.D. and Gohl, E.P.G.1997. Textile Science. CBS Pub. And Dist., New Delhi
- Mishra, S.P. 2002.A Text Book of Fiber Science & Technology. New Age International
- Booth, J.E.1996.Principles of Textile Testing. CBS Pub. & Dist.
- Wynne. A.1997.Textiles. Macmillan Education Ltd., London
- Related Journals on the topics

## M.Sc. CLOTHING & TEXTILES

### HCT 804 ADVANCED DRESS DESIGNING AND CONSTRUCTION

**Credits 3(2-0-2)**

#### *Course Outline*

#### **THEORY:**

- Scope and importance of dress and apparel designing 3
- Design; its type and analysis 3
- Use of construction features in design 4
- Effect and function of elements of arts and principles of design in dress 4
- Techniques in pattern making; their principles, application and limitations 5
- Importance of anthropometric measurements in selection and making of paper pattern 3
- History and prospects of readymade garment industry in India and abroad 2
- Factor affecting production and construction of garments 5

**TOTAL 32**

#### **PRACTICALS:**

- Application of various principles of design in clothing construction 1
- Drafting, cutting and stitching of following garments by using various construction features -
  - Children's fancy dress: Nicker/trousers 1
  - Adolscnt 's dresses of prevalent style:
    - Pant- top 2
    - Skirt 1
    - Blouse 2
    - Suit 1
    - Shirt 2
- Style reading and designing through flat pattern and draping method by manipulation of darts
  - Shifting of darts position
  - Multiple darts
  - Gathers
  - Tucks and pleats
  - Princess lines
  - Yokes3
- Common fitting problems found in garments and their remedies 2
- Construction of garments for persons having figure problems 1

**TOTAL 16**

**Marks Distribution:**

- Mid Term : 20
- Assignments /quizzes : 10
- Practicals : 20
- End term Examination : 30

**REFERENCES:**

- Hollen,N.R. Pattern making by flat pattern method. Latest Edition. Burgen Publishing Co., Minnesota
- Lewis,V.S. Comparative Clothing Construction Techniques. Latest Edition. Surjeet Pub. Delhi
- Shoben, Martin. Pattern Cutting and making up: The professional Approach. Latest Edition. CSB Publishers and Distributors (P) Ltd, New Delhi
- Hollen, N. R. Pattern making by flat pattern methods. Latest Edition. Burgoss Publishing Co. Minnesota.

## M.Sc. CLOTHING & TEXTILES

### HCT 805 FASHION DESIGNING

#### Course Outline

#### THEORY

Credits

3(2-0-2)

- Fashion terminology 2
- Evolution of fashion 2
- Psychology of fashion 2
- Factor determining fashion trends 4
- Fashion forecasting and creation 3
- Fashion affecting fashion creation 3
- Fashion cycle 2
- Techniques and tools used for fashion sketching 2
- Fashion theories 2
- Brief introduction to national and international fashion designer 3
- Sources of advanced fashion information 3
- Fashion careers and job opportunities 4
- 

**TOTAL**

**32**

#### PRACTICALS:

- Development of Croquis
  - Basic croquis 1
  - Flesh croquis 1
- Drawing fashion figures with different elevations 2
- Drawing facial features 1
- Textures and patterns 1
- Hair styles and headgears 1
- Accessory designing 1
- Development of portfolio
  - Mood board 1
  - Swatch board 1
  - Colour board 1
  - Spec sheet preparation 1
- Study of specification sheet 1
- Development of a portfolio on a particular theme:
  - Casual wear 1
  - Sports wear 1
  - Party wear 1

**TOTAL 16**

#### Marks Distribution:

- Mid Term : 20
- Assignments /quizzes : 10
- Practicals : 30
- End term Examination : 40

**REFERENCES:**

- Brockman, H.L. The Theory of Fashion Design. Latest Edition. Sydney, J. and Sons, Inc.
- Ireland, P. J. Fashion Design Drawing. Latest Edition London. B.T. batsford Ltd.
- Ireland, P. J. Basic Fashion Design. Latest Edition London. B.t. batsford Ltd.
- Ireland, P. J. Fashion Drawing for Advertising. Latest Edition. London, B.t. batsford Ltd.
- Jabenis, E. The Fashion Director. Latest Edition. Sydney, Johan, Wiley and Sons, In

## M.Sc. CLOTHING & TEXTILES

### HCT 806 HISTORIC COSTUMES AND TEXTILES

#### Course Outline

<b>THEORY:</b>	<b>Credits 3(2-0-2)</b>
• Introduction: Historic background and detailed study of ancient, medieval and contemporary of India costumes	4
• Costumes and history of	
Egypt	3
Greece	3
Rome	3
Other countries	3
• Costumes of middle ages, Renaissance of America	3
• Historical development of tradition textiles from different state of India	4
• Detailed study of decorative motifs and techniques	3
• Textiles of Egypt and other countries	3
• Textiles of Oriental, European countries in America	3
<b>TOTAL</b>	<b>32</b>

#### PRACTICALS:

• Preparation of models with different costumes and jewellery of		
- Egyptian costumes	2	
- Greek costumes	2	
- Roman costumes	2	
- American costumes	2	
• Collection of photographs for traditional textiles of India and preparation of file		
- Jamdani	}	2
- Baluchar Buttedar		
- Chanderi		
- Meheshwari		
- Patola		
- Paithani		
- Himru and Amru		
- Kashmiri Shawl		
- Pochampalli		
• Preparation of one article using embroidery and motifs of ancient times	4	
• Visit to a museum	2	
<b>TOTAL</b>	<b>16</b>	

#### Marks Distribution:

• Mid Term	:	20
• Assignments /quizzes	:	10
• Practicals	:	30
• End term Examination	:	40

**REFERENCES:**

- Pandit, S.. Indian Embroidery – It's variegated charms. Latest edition. Vinu Bai Patel, Baroda.
- Dhamija, J.S.2002.Handicrafts of India. National book trust, India.
- Dhaniya, J and Jain, J. Handwoven Fabrics of India. Latest edition Mapin publishing Ltd., Ahmedabad.



## PRACTICALS

• Evaluation of efficiency of common:		
- Soaps and detergents	}	2
- Bleaching agents		
- Optical brightners		
- Sizing materials		
• Dyeing of different textiles using different dyes:		
- Cellulosic fabric		1
- Protein fabric		1
- Man made fabric		1
- Synthetic fabric		1
• Developing, designing & printing of following articles by using different printing techniques (block, screen, stencil or spray) and dyes.		
- Bed sheet		2
- Sari		4
- Suit		2
• Visit to finishing units		1
• Project report		1
		<b>TOTAL 16</b>

## Marks Distribution:

• Mid term examination	:	20
• Practicals	:	30
• Assignments/ quizzes	:	10
• End term Examination	:	40

## REFERENCES

- Tortora, P. G. Understanding Textiles, Latest Edition. New York, Mac. Millan Pub. Co.Inc.
- Wynne.A.1997.Textiles, Mac Muller Education Ltd. London.
- Hall, A. J. Textile Finishing. Heywood Books, 1966. London.
- Hall, A. J. The Standard Handbook of Textiles. Newnes-Butter-worths, 1975. London.
- Hollen, N. and Saddler, J. Textiles. Macmillan Company, 1973. New York.
- Anderson, F. D. 1974. Tie-dyeing and Batik, Octopus Books Limited. . London.
- Grosicki, Z. Watson's. 1988. Textiles Design and Colour. Universal Publishing Corporation, Bombay.

## M.Sc. CLOTHING & TEXTILES

HCT 808 TEXTILE ECONOMICS

### Course Outline

<b>THEORY:</b>	<b>Credits 3(3-0-0)</b>
• Cotton, Jute, Wool, Silk and Man-made fibres	5
• Textiles Industries of India including cottage industries of handloom, hosiery and sericulture	4
• Importance of entrepreneurs and textile industry in the Indian economy	3
• Five years plans and Textile industries.	3
• Marketing concept	3
• Co-ordination of production with consumer preference for various textiles products.	3
• Factors influencing the production and consumption of textiles	3
• Factors affecting the cost of textile and pricing policies.	4
• Causes for price fluctuations	3
• Sales promotion techniques	3
• Import and export transaction	4
• Quality control institutions and quality regulation in India	4
• Different textile mills, khadi and village industry commission, weaving service centres, handloom sector, co-operative societies, research associations	6
<b>TOTAL</b>	<b>48</b>

### Marks Distribution:

• Mid Term	:	30
• Assignments /quizzes	:	10
• End term Examination	:	60

### REFERENCES:

- Cooklin, G. 2000. Inroduction to Clothing Manufacture. Blackwell Scientific Publications. London

Related Textiles Journals.