

SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR

B.Sc. Home Science

(Under Choice Based Credit Scheme)

Semester - FIFTH (Textile & Clothing)

IN EFFECT FROM : 2020-21

Sr. No.	Course Type	Course Code (10Digit)	Name of Course	Theory (T) Practical (P)	Credit	Contact hrs/ week	Exam durati on in hrs.	Marks		
								Internal	External	Total
1	Foundation Courses	UH05FPRO21	Programme for Rural & Urban Development	T	3	3	3	30	70	100
2		UH05FPRO22	Programme for Rural & Urban Development	P	1	2	3	15	35	50
3	Core Course	UH05CTCL23	Fabric Manufacture	T	3	3	3	30	70	100
4		UH05CTCL24	Fabric Manufacture	P	1	2	3	15	35	50
5		UH05CTCL25	Indian Textiles & Costumes	T	3	3	3	30	70	100
6		UH05CTCL26	Culture and Fashion	T	3	3	3	30	70	100
7		UH05CTCL27	Laundry Science	T	3	3	3	30	70	100
8		UH05CTCL28	Computer Application in T.C.	P	1	2	3	15	35	50
9		UH05CTCL29	Advance Clothing Construction	P	2	4	3	30	70	100
10		UH05CTCL30	Draping	P	2	4	3	30	70	100
Elective Course (Any one 11,12,13,14)										
11	Elective Course	UH05EHSC01	Consumerism	T	2	2	2	15	35	50
12		UH05EHSC02	NGO Management	T	2	2	2	15	35	50
13		UH05EHSC03	Accessories & Adornment	T	2	2	2	15	35	50
14		UH05EHSC04	Public Health Epidemiology	T	2	2	2	15	35	50
Total					24	31		270	630	900

**THIRD YEAR BSC (HOME) V SEMESTER
PROGRAMME FOR RURAL AND URBAN DEVELOPMENT
COURSE CODE: UH05FPRO21**

Theory

Credit: 03

Pd/wk: 03

Marks: 100

Objectives:

1. To develop understanding regarding the national towards urban and rural development
2. To examine the cumulative impact of these developmental efforts in quantitative and qualitative dimensions.

Theory	Content	Weightage
I	Introduction Introduction to Community Development Programmes. Program-Before and After Independence	10%
II	History and Concept History in planning in India Five year plan and their focus. Planning at different levels: National to grassroots	10%
III	Programmes to enhance food productions: Thrust on agriculture. National food production programmes. Independence, Intensive production schemes.	20%
IV	Poverty alleviation efforts: RuralandUrbancommunities,characteristics,nature,difference,village organization, rural and urban development(NGOs working),role of CAPART Programmes for poverty alleviation for rural and urban areas, employment generation and social inputs. Current programmes for rural and urban poor.(Latest five year plan should be emphasized).	30%
VI	Programmes for women and Children: Women as target groups, Specific measures for women and children such as DWCRA, ICDS, IMY, ANARDE, SEVA, CHETNA, TF, SGSY, ARSP. Current programmes for women as initiated and implemented by the different ministries and departments. Shift from welfare to development to empowerment approach. Role of Home Science in rural and urban development.	30%

Outcomes:

1. The students can get the knowledge of different five years plan.

2. They use the knowledge in self empowerment and indirectly helps the society in poverty alleviation.

References:-

1. Upadhyaya, H.C.(1991): Modernisation and Rural Development New Delhi, Anmol Publications.
2. National Institute of Rural Development, Hyderabad, 1991. Rural Development Statistics NIRD.
3. Narayan Manohar S(1989) Integrated Rural Energy Programmes, Delhi Shree Hari Printers.
4. Ghosh Bahansikha (1990) The Indian Population Problem, Madras, Sage Publications.
5. Thingalaya N.K(1986) Rural India-Real India, Bombay, Himalaya Publishing House.
6. Journal of Social Welfare, Journal of Rural Development, Journal of Yojana, Journal of Family Welfare, Journal of Extension Education.

**THIRD YEAR BSC (HOME) V SEMESTER
PROGRAMME FOR RURAL AND URBAN DEVELOPMENT
COURSE CODE: UH05FPRO22**

Practical

Credit: 01

Pd/wk: 02

Marks: 50

Experiment

- 1 Appraisal of the efforts of the students in the community.
- 2 Examining the impact of the development efforts in selected rural areas Quantitative achievement and qualitative improvement of a programmes
- 3 Study of the evaluation reports of the various departments.
- 4 Conducting Welfare programmes for target groups.
- 5 Planning a programme for the target groups in link with ongoing programmes in Home Science Problems/need identification of a community.

**THIRD YEAR B.SC. (HOME), V SEMESTER
FABRIC MANUFACTURE
COURSE CODE: UH05CTCL23**

Credit: 03

PD/WK: 03

Marks: 100

Objectives:

1. To gain knowledge about yarn & fabric manufacture processes.
2. To acquire knowledge of types of yarn, weaves & fabrics.

Theory:

UNIT	CONTENT	WEIGHTAGE
I	Yarn manufacture 1. Preparatory Process 2. Spinning a. Staple yarns b. Filament yarns c. Bi component yarns	15%
II	Yarn classification 1. As per size – staple, two, filament 2. As per twist – S & Z 3. As per appearance & no. of parts - simple, novelty & texturized	15%
III	Fabric Construction 1. Fabrics made from solution – films & foam 2. Fabrics made from fibers - felts & nonwovens 3. Fabrics made from yarns - Braids, laces, woven, knitted 4. Multi layer fabrics – Double cloth, bonded, laminated, quilted	10%
IV	Weaves: 1. Classification & manufacture process (loom) 2. Basic weaves, plain, twill, satin, types, characteristics & end uses. 3. Decorative weaves – crepe/ mommie, leno, dobby, jacquard 4. Extra yarn weaves - lappet, swivel, pile, double cloth weave	30%
V	Knits 1. Classification and manufacture process 2. Types, characteristics & end use – warp knit, weft knit, pile knit, jacquard knit	20%
VI	Non woven 1. Manufacturing process 2. Types, characteristics and end uses	10%

Outcome:

1. The learner will be able to identify the fabric characteristics and relate it to application and use.
2. Student after this course will develop insight on fabric construction techniques.

References:

1. Textiles(1968); N. Hollen & J. Saddler; Macmillan Company; London
2. Fibres & yarns(2009); M. Rastogi; Sonali Publications, New Delhi,
3. Textile weaving & design(2007); W.S. Murthy; Abhishek Publication, Chandigarh
4. Introduction to Textiles(1980); M.Lowan &. Jungerman; D.B. Taraporwala Sons & Company Pvt. Ltd
5. Grammar of Textiles Design(1978); H.Nisbet; D.B. Taraporwala Sons & Company Pvt. Ltd
6. Structural fabric design(1965); J.W. Klibbe; North Carolina State University Print Shop;
7. Encyclopedia of textiles, Fibres & nonwoven fabrics(1984); John Wiley & Sons; Inc.
8. Knitting Technology(1998); D.B. Ajgaonkar; Universal Publishing Corp. Bombay.
9. Techno Textiles(1997); S. Braddock & M.O Mahony; Thames & Hudson Ltd.

**THIRD YEAR B.SC. (HOME), V SEMESTER
FABRIC MANUFACTURE
COURSE CODE: UH05CTCL24**

Credit: 01

PD/WK: 02

Marks: 50

Practical:

1. Weave notation, draft and peg plan of basic and decorative weave
2. Calculating length and width of the yarn required for weaving
3. Weave analysis
 - a. Basic weave-plain, twill, satin
 - b. Decorative weave
 - c. Extra yarn weave

3. Developing samples of weaving techniques
 - a. Basic weaves – plain, twill, satin
 - b. Decorative weave
 - c. Triaxial weave
 - d. Extra yarn weave
 - e. Card weaving

5. Knit sample analysis
 - a. warp knit
 - b. weft knit

Note: Make a portfolio of the work done.

**THIRD YEAR B.SC. (HOME), V SEMESTER
INDIAN TEXTILES AND COSTUMES
COURSE CODE: UH05CTCL25**

Credit: 03

PD/WK: 03

Marks: 100

Objectives:

1. To impart knowledge of rich heritage of textiles of India and other countries.
2. To acquaint students with the places, yarn used, weave, motifs and colours used in printed, painted and woven traditional textiles.
3. To develop knowledge for the traditional sarees of India.

Theory:

UNIT	CONTENT	WEIGHTAGE
I	Indian textiles – Introduction and importance	10%
II	Traditional painted and printed textiles of India (Color, motif, fabric and typicality) 1. Gujarat and Rajasthan 2. Tamilnadu and Andhra Pradesh 3. Bihar and Uttaranchal 4. Uttar Pradesh and Madhya Pradesh	20%
III	Traditional woven textiles of India (Shawls, carpets and floor coverings Its significance, color, motif and fabric 1. North zone 2. South zone 3. Western zone 4. Eastern zone 5. Central zone	20%
IV	Traditional saris of India (Fabric, color, motif, significance) Patola, Tanchoi, Gharchola, Maheshwari, Chanderi, Kanjeevaram, Gadwaal, Boluchar, Dacca, Banarasi, Sambalpuri, Mekhla-riha chaddar.	20%
V	Costumes of India 1. Northern region 2. Eastern region 3. Southern region 4. Western region 5. Central region	30%

Outcome:

1. Student will understand the importance and uniqueness of Indian traditional textiles and its complex manufacture techniques.
2. Student can identify and appreciate the traditional Indian cultural heritage of textiles and costumes.

Reference :

1. Hand woven fabrics of India (1989); Dhamija j; Mapin publication, Ahmedabad.
2. Masterpieces of India (1970); Mehta R; D.B.Taraporwala, Bombay.
3. Masterpieces of Indian Textiles (1970); Mehta R; D.B.Taraporwala, Bombay
4. Study of Shawls of Kashmir (1990) ;Gupta S.;
5. Handicrafts of India (1985); Chattopadhaya K.
6. History of Textile Design (1981); Shenai V.A; Sevak Publication, Bombay

**THIRD YEAR B.SC. (HOME), V SEMESTER
CULTURE AND FASHION
COURSE CODE: UH05CTCL26**

Credit: T 3

PD/wk: 03

Marks: 100

Objective:

1. To acquire knowledge about various cultural differences in relation to clothing.
2. to Create awareness about impact of attitudes and values on fashion.

Theory:

UNIT	CONTENT	WEIGHTAGE
I	Culture 1. Meaning 2. Impact of culture on clothing	10%
II	1. Indian culture & clothing styles 2. Western culture & Clothing styles	30%
III	First Impression 1. Self Concept 2. Clothes, Self and society	20%
IV	Clothing relationships 1. Class consciousness 2. Class Distinction 3. Social mobility and dress.	20%
V	Clothes 1. Attitudes and Values 2. Their roles and status	20%

Outcome:

1. Learner will know about association of clothes with society, attitudes and Values.
2. Students will gain knowledge of social importance of clothes.

References:

1. Inside the Fashion Business (1987); Janour J.; Macmillan, New Delhi.
2. Second Skin (1975); Horn M.J.; Houghton Mifflin Co.,d Boston.
3. Fashion Marketing (2002); Easy M.; Black Well Science Victoria.

4. The Theory of Fashion Design (1965) Brockman H.L.; John Wiley sons Inc. New York.
5. The arts of Costume and Personal appearance (1966); Morton. M.G.; John Willey & sons, New York.
6. The Complete Fashion Sourcebook(2005); John Peacock; Thames & Hudson Ltd. London
7. Fashion Kaleidoscope(1994); Meher Castelino, Rupa & Co. New Delhi
8. Fashion Technology ;M. Narang; Asia Pacific Business Press Inc. Delhi
9. Elements of Fashion & Apparel Design(2002); Sumathi G.I. New Age International Ltd,
10. Costume & Fashion(1995); J.C. Scott; Studio Vista, London
11. Individuality(1981); M.Kefgen & Specht; Macmillan Publishing Co.Ltd

**THIRD YEAR B.SC. (HOME), V SEMESTER
LAUNDRY SCIENCE
COURSE CODE: UH05CTCL25**

Credit: T3

PD/wk :03

Marks :100

Objectives:

1. To impart knowledge of the laundry reagents.
2. To gain knowledge on the additives used in laundry on various fibres & fabrics.

Theory:

UNIT	CONTENT	WEIGHTAGE
I	Water and its treatment Water hardness- temporary and permanent, problems caused by hard water, methods of softening water	20%
II	Stain removal Classification, types, principles and techniques of stain removal.	10%
III	Soap and detergents 1. Types, composition, cleansing action, builders, and function 2. Eco-friendly detergents 3. Dry cleaning – Meaning, Applications, Agents	20%
IV	Whiteners & brighteners 1. Bleaches- Classification, commercial products, application of bleaches to various fibers and fabrics. 2. Bluing agents - various types & characteristics, application to various fabrics. 3. Optical brighteners	30%
V	Starches, stiffeners and softeners Classification, various types and their characteristics, method of application	20%

Outcome:

1. Students will gain insight on the concepts of textiles laundering.
2. Students will know about builders and additives used in laundry and its application on textile fibers.

Reference:

1. A guide to Household Textiles and Laundry Work (1980); Deulkar Durga ;Atma Ram & sons Delhi
2. Fundamentals of Textiles and Their Care (1996); Dantiyagi Sushila
3. Modern Home Laundry Work; Hentry E, Byett J.D.
4. The Principles of Laundering; Brown D.
5. Technology of Textile Processing (2000); V.A.Shenai ; A Sevak Publication
6. Textile scouring & bleaching; Trotmen E.R.
7. An Introduction of Textile Finishing; J.T.Marsh; B.I. Publications

**THIRD YEAR B.Sc. (HOME) ,V SEMESTER
COMPUTER APPLICATION IN TEXTILES AND CLOTHING
COURSE CODE: UH05CTCL28**

Credit: 01

PD/WK: 02

Marks: 50

Objectives:

1. To acquaint students with CAD & CAM application in textiles and clothing.
2. To acquire skills in CAD and CAM application in textiles and clothing.

Practical:

- I Introduction to CAD & CAM in Textiles & Clothing
 1. Usage and application of CAD
 2. Usage and application of CAM

- II Textiles and garment Design using corel draw
 1. Introduction and usage of tools
 2. Making of logos
 3. Developing garment designs

- III Textile and garment design using photoshop
 1. Introduction to tools
 2. Usage and application of tools
 3. Developing textures and dress materials
 4. Making garment designs

- IV Textile and garment design using fashion CAD
 1. Introduction and usage of tools
 2. Texture and fabric designing
 3. Garment making

- V Garment design and grading using garment CAD system
 1. Making basic blocks
 2. Pattern design
 3. Grading
 4. Marker planning

Outcome:

1. After completing the course, students will be able to develop fabric and garment designs using CAD & CAM software used in textile & garment industries.
2. Learners will achieve skills in pattern making, grading and marker planning as done in garment industries.

Reference:

1. CAD in Clothing & Textiles (1994); Aldrich W; Black Well Science, Germany.
2. Elements of Textiles (1975); Laberthe J.; Macmillan, New York.
3. CAD, in Clothing & Textiles (1994); Winifred A; BSP Professor Books Cambridge.
4. Software manuals

**THIRD YEAR B.Sc. (HOME) ,V SEMESTER
ADVANCE CLOTHING CONSTRUCTION
COURSE CODE: UH05CTCL29**

Credit: 02

PD/WK: 04

Marks: 100

Objective:

1. To gain knowledge of the trends in fashion and understand the market.
2. To acquire skills in designing and construction of garments as per trends

Practical:

Designing, adaptation and construction of following garments

1. Saree blouse
2. Kameez as per vogue
3. Salwaar
4. Evening wear/ Evening gown/ Indian traditional dress
5. Preparing cost chart of each of the above garments.

Note: The garment styles and features be considered as per the trend.

Outcome:

1. Student will learn to draft and construct garment as per anthropometric measurements.
2. Student can achieve knowledge of fashion trends and its market.
3. One can develop ability to select suitable fabric as per silhouette, color, texture and design.

References:

1. Dress Pattern Designing (1970); Bray Natlie ; Cross lockwood & Son Ltd., London
2. Basic Processes and Clothing Construction(1970); Doongaji & Deshpande;New Raj Book Depot, Delhi
3. Textile Fabrics and Their Selection (1976) ; Wingate I.B; Prentice Hall Inc, New Jersey
4. Dictionary of Textiles (1988);Wingate I.B.; Universal Pub. Corporation Bombay.
5. More Dress Pattern Designing(1997); Bray Natlie; Blackwell Science
6. The Art of Sewing (1998) ; Anna Jacob; B.S. Publishers Ltd, New Delhi
7. Zarakar System Of Cutting; Zarakar K.R.; Bombay
8. Matric Pattern For Women's wear; F. Aldrich
9. Magazines related to Textiles and Clothing – Apparel, Cloths line, Cloth Market, The Indian Textile Journal

**THIRD YEAR B.SC. (HOME), V SEMESTER
DRAPING
COURSE CODE: UH05CTCL30**

Credit: P2

PD/wk: 04

Marks :100

Objectives:

1. To visualize and transfer the designs on dress form.
2. To acquire skills in designing garments on dress form

Practical:

1. Importance of dress form in designing

2. Draping of garments with following features:
 - a) Basic slope and manipulation of darts.
 - b) Yoke with a variation – straight / square / round / “V”
 - c) Flat collar/ shirt collar/ Notch collar
 - d) Princess line
 - e) Midriff yoke.

Outcome:

1. Learners will be able to do garment design through draping.

Reference:

1. Hilde J.(1993); Draping for fashion design, 2nd Ed Prentice Hall Publication, New Jersey.
2. Stanley H. (1995); Flat pattern cutting & modeling for Fashion; Stanley thorns Publication. Ltd.
3. Erwin M.D. (1969); Practicals dress design.; The Macmillan Company.
4. Winefred Aldrich W (1996); Fabric for flat pattern cutting; Blackwell science.
5. goulbourn (1971); Introducing pattern Cutting, modeling; B.T. Batford Ltd.