

SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR
B.Sc. Home Science
(Under Choice Based Credit Scheme)
Semester - FIFTH (TEXTILES AND CLOTHING) YEAR 2023-2024

Course Type	Course Code (10 Digit)	Name of Course	Theory (T) Practical (P)	Credit	Contact hrs/ week	Exam Duration in hrs	Marks		
							Internal	External	Total
Ability Enhancement Courses	UH05AHSC51	Programme for Rural and Urban Development	T	2	2	2	15/5	35/14	50/20
Core Courses	UH05CTCL51	Fabric Manufacture	T	4	4	3	30/10	70/28	100/40
	UH05CTCL52	Fabric Manufacture	P	2	4	3	15/5	35/14	50/20
	UH05CTCL53	Advances in Textiles	T	4	4	3	30/10	70/28	100/40
	UH05CTCL54	Historic Textiles and Costumes	T	4	4	3	30/10	70/28	100/40
	UH05CTCL55	Design-Textiles and Apparel	T	2	2	2	15/5	35/14	50/20
Skill Enhancement Courses	UH05STCL51	Men's Clothing	P	2	4	3	15/5	35/14	50/20
	UH05STCL52	Draping	P	2	4	3	15/5	35/14	50/20
Elective Courses (Any One)	UH05EHSC51	Consumerism	T	2	2	2	15/5	35/14	50/20
	UH05EHSC52	NGO Management	T	2	2	2	15/5	35/14	50/20
	UH05EHSC53	Accessories and Adornment	T	2	2	2	15/5	35/14	50/20
	UH05EHSC54	Food Adulteration	T	2	2	2	15/5	35/14	50/20
	UH05EHSC55	Basics of Research	T	2	2	2	15/5	35/14	50/20
		Total		24	30		180	420	600



SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.11)
Syllabus with effect from the Academic Year 2023-2024

Bachelor of Science - Home Science
(B.Sc. - H. Sc.) (Home Science) Semester (V)

Course Code	UH05AHSC51	Title of the Course	Programmes for Rural and Urban Development
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. To develop understanding regarding the nation towards urban and rural development2. To examine the cumulative impact of these developmental efforts in quantitative and qualitative dimensions
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Course Content		
Unit	Description	Weightage*(%)
1.	<ol style="list-style-type: none">a. Introduction to Rural and Urban Development Programmes.b. Role of Home Science in rural and urban development.c. Five year plan and their focus, brief on Niti Ayog	20
2.	<ol style="list-style-type: none">a. Thrust of agricultureb. National food production programmesc. National health mission (NRHM, NUHM, NRLM)	20
3.	Poverty alleviation efforts: <ol style="list-style-type: none">a. Rural and Urban communities, characteristics, nature, difference, village organization, rural and urban development(NGOs working), role of CAPARTb. Programmes for poverty alleviation for rural and urban areas, employment generation and social inputs.c. Current programmes for rural and urban poor,	30
4.	Programmes for women and children: <ol style="list-style-type: none">a. Women as target groups, Specific measures for women and children such as DWCRA, ICDS, IMY, ANARDE, SEWA, CHETNA, TF, SGSY, ARSP.b. Current programmes for women as initiated and implemented by the different ministries and departments.	30

Teaching-Learning Methodology	Class Discussions/ Demonstrations, Power point presentations, Class activities/ assignments, group discussions, Field visits, chalk and board
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	The students can get the knowledge of different five years plan.
2.	They use the knowledge in self empowerment and indirectly help the society in poverty alleviation.

Suggested References:	
Sr. No.	References
1.	Upadhyay, H.C. (1991): Modernization 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 Bahanisikha (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

On-line resources to be used if available as reference material
On-line Resources
http://egyankosh.ac.in/



Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05CTCL51	Title of the Course	Fabric Manufacture
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Gain knowledge about yarn & fabric manufacture processes.2. Acquire knowledge of types of yarn, weaves & fabrics.
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Course Content		
Unit	Description	Weightage* (%)
1.	Yarn manufacture (a) Preparatory Process of yarn manufacture (b) Spinning processes for Spun yarns-cotton system, linen system, wool and worsted system, open end spinning, ring , friction, fasciated, self-twist, integrated composite, tow to top, direct tow to yarn spinning (c) Spinning processes for Filament yarns-chemical spinning, wet, dry, melt, gel and emulsion spinning (d) Spinning processes for Bi-component yarns (e) Processes to produce textured yarns	30
2.	Types and classification of yarns (as per application and use) (a) As per size – spun and filament (b) As per fineness-direct and indirect system (c) As per twist – S & Z (d) As per appearance & no. of parts - simple, novelty, texturized and thread	20
3.	Methods of Fabric Construction (a) Fabrics made from solution – films & foam (b) Fabrics made from fibers - felts & nonwovens (c) Fabrics made from yarns - Braids, laces, woven, knitted (d) Multi layer fabrics – Double cloth, bonded, laminated, quilted, coated, flocked, poromeric, support scrim structure, fiber reinforced etc.	10



4.	Weaves: (a) Manufacture process of woven fabrics (b) Classification of weaves (c) Basic weaves, plain, twill, satin, types, characteristics & end uses. (d) Decorative weaves – crepe/ mommie, leno, dobby, jacquard (e) Extra yarn weaves - lappet, swivel, pile, double cloth weave	20
5.	Knits (a) Manufacture process of knitted fabrics (b) Classification of knits, types of knitting needles and machines, stitches (c) Weft knits-characteristics and use of single jersey, double jersey, pile knit, jacquard knit, weft insertion, sliver pile, rib structure, purl structure, interlock structure (d) Warp knits-characteristics and use of tricot, raschel, Milanese, simplex and warp insertion knits	20

Teaching-Learning Methodology	Lecture and discussion using multimedia and powerpoint presentation, assignments, actual sample visualization, market surveys and collection etc.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify various types of yarns, fabrics, their properties and end use.
2.	Develop insight of yarn and fabric manufacturing done by industries.



Suggested References:

Sr. No.	References
1.	Hollen, N.& saddler, J.(1968). <i>Textiles</i> . London: Macmillan Company.
2.	Rastogi, M.(2009). <i>Fibres& yarns</i> . New Delhi: Sonali Publications.
3.	Murthy, W.S.(2007). <i>Textile weaving & design</i> . Chandigarh: Abhishek Publication.
4.	Lowan, M.& Jungerman(1980). <i>Introduction to Textiles</i> . Bombay: D.B. Taraporwala Sons & Company Pvt. Ltd.
5.	Nisbet, H.(1978). <i>Grammar of Textiles Design</i> . Bombay: D.B. Taraporwala Sons & Company Pvt. Ltd.
6.	Klibbe,J.W.(1965). <i>Structural fabric design</i> . North Carolina : North Carolina State University Print Shop
7.	Ajgaonkar, D.B.(1998). <i>Knitting Technology</i> . Bombay: Universal Publishing Corp.
8.	S. Braddock, S.& Mahony, M.O.(1997). <i>Techno Textiles</i> . London: Thames& Hudson Ltd.



Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05CTCL52	Title of the Course	Practical - Fabric Manufacture
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Enable students with techniques of fabric manufacture2. Inculcate skills in product development through various weaving, knitting and other techniques.
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Course Content		
Unit	Description	Weightage* (%)
1.	Weave notation, draft and peg plan (a) Basic weaves (b) Decorative weave	20
2.	Calculating length and width of the yarn required for weaving	10
3.	Collection and analysis of samples of different types of woven fabrics (a) Basic weave-plain, twill, satin (b) Decorative weave (c) Extra yarn weave	15
4.	Developing samples of weaving techniques (a) Basic weaves – plain, twill, satin (b) Decorative weave- pile, gauze, extra yarn weave	20
5.	Collection and analysis of different types of knit fabrics. (a) Warp knit (b) Weft knit	15
6.	Loom weaving and card weaving	20

Teaching-Learning Methodology	Actual yarn and fabric sample collection, discussion and analysis, assignment, portfolio preparation, making the samples
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand and apply knowledge practically in fabric production areas.
2.	Generate income by using skills to make value added products.

Suggested References:	
Sr. No.	References
1.	Hollen, N.& saddler, J.(1968). <i>Textiles</i> . London: Macmillan Company.
2.	Rastogi, M.(2009). <i>Fibres & yarns</i> . New Delhi: Sonali Publications.
3.	Murthy, W.S.(2007). <i>Textile weaving & design</i> . Chandigarh: Abhishek Publication.
4.	Lowan, M.& Jungerman(1980). <i>Introduction to Textiles</i> . Bombay: D.B. Taraporwala Sons & Company Pvt. Ltd.
5.	Nisbet, H.(1978). <i>Grammar of Textiles Design</i> . Bombay: D.B. Taraporwala Sons & Company Pvt. Ltd.
6.	Klibbe, J.W.(1965). <i>Structural fabric design</i> . North Carolina : North Carolina State University Print Shop
7.	Ajgaonkar, D.B.(1998). <i>Knitting Technology</i> . Bombay: Universal Publishing Corp.
8.	S. Braddock, S.& Mahony, M.O.(1997). <i>Techno Textiles</i> . London: Thames & Hudson Ltd.



Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05CTCL53	Title of the Course	Advances in Textiles
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Acquire knowledge about various natural, synthetic, regenerated and minor fibers in detail.2. Make students aware about eco-friendly textiles.3. Enable students understanding the textile finishes and their performance.4. Impart knowledge on use of fibres as technical textiles in agriculture, medical geographical, industrial and packaging field's
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Course Content		
Unit	Description	Weightage* (%)
1.	Fiber morphology and its relation to fiber properties & performance (a) Natural Fibres: Cotton, Wool, Jute, Linen (b) Synthetic Fibres: Polyester, Polyamide, Acrylic (c) Regenerated Fibres: Rayon, Modal, Lyocell	30
2.	Structure, composition, microscopic appearance, properties and uses of (a) Minor fibers (b) Special-use fibers (c) Elastometric Fibres: Polyurethane, spandex	20
3.	Technical textiles – Characteristic, Fibres used & application of Indutech, medtech, agrotech, geotech, Home tech, Pactech, Oekotech, clothtech, sporttech, mobiltech, etc.	10
4.	Latest development in textile fibers and its environmental friendly production at different levels	20
5.	Non-woven technology (a) Fibers used (b) Manufacture process-fiber selection, web formation, web consolidation, finishing and converting (c) Characteristics and end-uses	20

Teaching-Learning Methodology	Lecture and discussion using multimedia and powerpoint presentation, assignments, actual sample visualization, videos, film shows, visits
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Gain knowledge of common and speciality fibers, their production and processing technology.
2.	Become sensitive to the environment and ecology and will be able to safeguard it.

Suggested References:	
Sr.No.	References
1.	Hollen, N.& saddler, J.(1968). <i>Textiles</i> . London: Macmillan Company.
2.	Newness B. W. <i>Manmade Fibers, Moncrieff</i> .
3.	Namkar, A.(1996). <i>Fiber Science And Technology</i> . Bombay: Oxford & IBH Publication
4.	Lowan, M.& Jungerman(1980). <i>Introduction to Textiles</i> . Bombay: D.B. Taraporwala Sons & Company Pvt. Ltd.
5.	Mishra, S.P.(2000). <i>A Text book of fiber Science & Technology</i> . New Delhi: New age International Publication.
6.	Korth, H.(1977). <i>Textiles</i> . London: Work Ltd.
7.	Cobman, B.P.(1983). <i>Textile Fibers & Fabrics</i> . New York: Mcgraw Hill Pub.
8.	Braddock, S.& Mahony, M.O.(1997). <i>Techno Textiles</i> . London: Thames& Hudson Ltd.
9.	Hess.(1996). <i>Textile fibers and their use</i> . Bombay: Oxford & IBH Publishing Co. Pvt. Ltd.



Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05CTCL54	Title of the Course	Historic Textiles and Costumes
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Gain knowledge about history of costumes and textiles.2. Develop understanding in application of knowledge of historic textiles and Costumes in fashion.
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Course Content		
Unit	Description	Weightage* (%)
1.	Importance and sources of information for Historic textiles & costumes	10
2.	Traditional textiles of oriental countries (a) Spain, (b) China, (c) Africa	20
3.	Textiles and costumes of ancient times (a) Egypt (b) Greece (c) Rome (d) France	20
4.	Textiles and costumes of medieval Europe (a) Middle ages (b) 18 to 20 centuries	30
5.	Costumes of ancient India (a) Vedic (b) Mughal (c) Rajput	20

Teaching-Learning Methodology	Lecture and discussion using multimedia and powerpoint presentation, assignments, videos, film, visits to museum, theatre events,
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Gain knowledge of world textiles and costume and its impact on today's fashion world.
2.	Design speciality apparels for special events, theatre's, stage shows, fashion events

Suggested References:	
Sr. No.	References
1.	Laver, J. (1967). <i>Costumes through the ages</i> . New York: Simon & Schaster.
2.	Boucher, F. (1987). <i>A History of Costumes in the West</i> . London: Thames and Hudson Ltd.
3.	Gillow & Polly. (1999). <i>World textiles</i> . London: Thames and Hudson Ltd.
4.	Osborne H. (1975). <i>The Oxford Companion to the Decorative arts</i> . England: Clarendon Press
5.	(1980). <i>Treasures of Indian Textiles</i> . Bombay: The Calico Museum, Marg Publication.



Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05CTCL55	Title of the Course	Design-Textiles and Apparel
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Gain knowledge on elements & principles of design with reference to textiles & apparel2. Enable students develop knowledge on textiles & apparel design its rough surface & structural ornamentation3. Enable students developing skills in enhancement of fabrics & garments.
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Course Content		
Unit	Description	Weightage* (%)
1.	Application of Elements of design in Textiles and apparels (a) Line (b) Colour (c) Silhouette (d) Texture	25
2.	Application of Principles of design in Textiles and apparels (a) Balance (b) Proportion (c) Rhythm (d) Emphasis (e) Harmony	25
3.	Surface and decorative design in textiles/Fabric Printing (a) Surface design-Painting, Embroidery, Appliqué work (b) Decorative design-through yarns, weaves, colour and weave effect	25
4.	Surface and decorative design in apparels (a) Surface design- Accessories, Embroidery, Ruffles, Braiding, Laces (b) Decorative designs-collars, fullness, tucks, pockets and pleats	15
5.	To prepare portfolio of five of each textile design and apparel design with details.	10

Teaching-Learning Methodology	Lecture and discussion using multimedia and powerpoint presentation, assignments, actual sample visualization and analysis, market surveys and collection etc.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand and create designs for textiles and garment.

Suggested References:	
Sr. No.	References
1.	Hollen, N. & Saddler, J. (1968). <i>Textiles</i> , London: Macmillan Company.
2.	Rastogi, M. (2009). <i>Fibres & yarns</i> . New Delhi: Sonali Publications.
3.	Murthy, W.S. (2007). <i>Textile weaving & design</i> . Chandigarh: Abhishek Publication.
4.	Neelima (2009). <i>Fashion & textile design</i> . New Delhi: Sonali Publications Ltd.
5.	Nisbet, H. (1978). <i>Grammar of Textiles Design</i> . Bombay: D.B. Taraporwala Sons & Company Pvt. Ltd.
6.	Klibbe, J.W. (1965). <i>Structural fabric design</i> . North Carolina: North Carolina State University Print Shop.
7.	Parvathi, K. (2007). <i>Textile Designing</i> . Jaipur: Avishkar Publishers.
8.	Carr, H. & Pomery J. (1992). <i>Fashion Design & Product Development</i> . New Jersey: Blackwell Scientific Publication
9.	Colchester, C. (1993). <i>The New Textiles</i> . London: Thames & Hudson Ltd.



Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05STCL51	Title of the Course	Practical - Men's Clothing
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Impart knowledge on prevailing styles in men's clothing2. Develop skills in designing and construction of men's clothing
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Course Content		
Unit	Description	Weightage* (%)
1.	Study and adaptation of ready to use basic blocks for men's wear (40, 42, 44)	10
2.	Adaptation and construction of night dress (a) Pyjama (b) Kurta / shirt	30
3.	Adaptation and construction of shirt (shirt collar with band)	20
4.	Adaptation and construction of trouser	20
5.	Adaptation and construction of jacket	20

Teaching-Learning Methodology	Lab work, discussion and demonstration, garment making
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination(As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%



Course Outcomes: Having completed this course, the learner will be able to

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| 1. | Develop insight regarding minute details and techniques of designing and construction of men's wear. |
| 2. | Seek jobs in apparel industry. |

Suggested References:

Sr. No.	References
1.	Cooklin, G. (1997). <i>Garment technology for Fashion</i> . U.K: Blackwell Science.
2.	Rita, J. (1998). <i>Handbook for fashion designing</i> . New Delhi: Mittal Publishers.
3.	Erwin, M.D. (1969) <i>Practical dress design</i> . The Macmillan Company.
4.	Doongaji S.C.& Deshpande.(1964). <i>Basic process & Clothing Construction</i> . New Delhi: New Raj Book.
5.	Shaeffer, C.(2000). <i>Sewing for Apparel Industry</i> . New Jersey: Prentice Hall.
6.	Zarapkar,K.(1994). <i>Zarapkar – System of cutting</i> . Bombay: Navneet Prakashan.



Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (V)

Course Code	UH05STCL52	Title of the Course	Practical - Draping
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Visualize and transfer the designs on dress form.2. Acquire skills in designing garments on dress form
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Course Content		
Unit	Description	Weightage* (%)
1.	Importance of dress form in designing	-
2.	Draping of garments with following features: Basic slope and manipulation of darts (a) Single dart series (b) Two- dart series	20
3.	Draping and construction of garment with yoke variation- yoke at bust/ midriff yoke as straight/square/round/v shapes	30
4.	Draping and construction of garment with collar variation- flat/shirt/notch	30
5.	Draping and construction of garment with princess line	20

Teaching-Learning Methodology	Lab practicals, discussion and demonstrations'
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination(As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%



Course Outcomes: Having completed this course, the learner will be able to

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| 1. | Design and construct garments using draping techniques. |
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Suggested References:

Sr. No.	References
1.	Hilde, J.(1993). <i>Draping for fashion design</i> . 2 nd Ed . New Jersey: Prentice Hall Publication.
2.	Stanley, H.(1995). <i>Flat pattern cutting & modeling for Fashion</i> . England: Stanley thorns Publication Ltd.
3.	Erwin, M.D.(1969). <i>Practicals dress design</i> . New York: The Macmillan Company.
4.	Winefred Aldrich W.(1996). <i>Fabric for flat pattern cutting</i> . New Jersey: Blackwell science.
5.	Goulbourn.(1971). <i>Introducing pattern Cutting, modelling</i> . London: B.T. Batford Ltd.



Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Home Science) Semester (V)

Course Code	UH05EHSC51	Title of the Course	Consumerism
Total Credits of the Course	02	Hours per Week	02
Course Objectives:	<ol style="list-style-type: none">1. To make them understand the role of consumer in the market.2. To increase their awareness about consumer buying behaviour, their rights and responsibilities.3. To familiarize them with various consumer problems.4. To enhance their knowledge base about redressal agencies.		

Course Content		
Unit	Description	Weightage* (%)
1.	Consumer and consumer problems (a) Definition of a consumer. (b) Problems of consumer (including services as water, gas, electricity etc.) (c) Unfair consumer practices: adulteration and faulty weights and measures	25
2.	Consumer Buying Behaviour (a) Factors influencing buying behaviour (b) Consumer aids: classification – Labels, Trademarks, Brand Names, Patents, Warranty, Guarantee, Quality Control and After Sales Service (c) Advertisement features, importance, media, usefulness	25
3.	Consumer protection (a) Meaning, characteristics and objectives (b) Need and ways for providing consumer education (c) Consumer rights and responsibilities (d) Consumer Laws	25
4.	Consumer protection agencies (a) Consumer organizations – origin, functioning, role and types (b) Consumer cooperatives – role, history and growth in India (c) Consumer redress: role of consumer forums and consumer courts in safeguarding consumers	25



Teaching-Learning Methodology	Lectures, active learning, reflective learning, written exercises, collaborative learning, problem solving, case studies, ICT enabled learning
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Emerge as informed consumers
2.	Becoming familiarized to the changing trends in consumerism
3.	It also provides an understanding of the procedure of redress of consumer complaints, and the role of different agencies in establishing product and service standards

Suggested References:	
Sr. No.	References
1.	Misra S., Sree Kumaran G. N., and Chadah, S. (2015). <i>Consumer Handbook</i> . New Delhi: Department of Consumer Affairs.
2.	Singh, G. (1990). <i>Law of Consumer Protection</i> . Jaipur: Bharat law publishers.
3.	Agarwal, A. (1989). <i>A practical handbook for consumers</i> . Bombay: India book house.
4.	Sarkar, A.(1989). <i>Problems of Consumers in Modern India</i> . New Delhi: Discovery publishing House.



5.	<i>Recent issues of magazines: Insight, Ahmedabad : CERC.</i>
6.	<i>Consumer Voice:New Delhi: VOICE Society.</i>

On-line resources to be used if available as reference material

On-line Resources

Consumer handbook English https://consumeraffairs.nic.in/sites/default/files/file-uploads/consumer_information/Consumer_Handbook_H.pdf

Consumer handbook Hindi https://consumeraffairs.nic.in/sites/default/files/file-uploads/consumer_information/Consumer_Handbook.pdf



Bachelor of Science - Home Science
(B.Sc.- H.Sc) (Home Science) Semester (V)

Course Code	UH05EHSC52	Title of the Course	NGO Management
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Acquaint students regarding Non-Government Organizations (NGO).2. Acquaint them about the steps of starting the NGO.3. Enable the students to manage the NGO consequently, which enhance the employability.
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Course Content		
Unit	Description	Weightage* (%)
1.	Concept of NGO (a) Meaning of NGO and GO (b) Difference between Government Organization and NGO (c) Characteristics of good NGO (d) Structure of NGO (e) Functions of NGO (f) Advantages of NGO (g) Present status of NGO (h) Contribution of NGO in the development	25
2.	Legal Frame Work for Establishing NGO (a) Steps for starting NGO (b) Registration of NGO (c) Identifying Funding agencies (d) Resource Mobilization (e) Methods and Techniques of fund raising (f) Foreign contributions and Regulation Act (FCRA) (g) Statutory obligations, Income Tax Exemption (80-G, 12-A and 35 NC)	25
3.	NGO Management (a) Managing people and teams in NGOs (b) NGO Management competencies (c) Applying NGO principles and values Policies and Programmes (a) New regulations for NGO and government control (b) Government laws, partnership model, Governing Schemes through ministries /Department / Bodies, government grant-in-aid	25



4.	Problems of NGO (a) Training (b) Recruitment (c) Funding (d) Resource Mobilization (e) Documentation	25
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Teaching-Learning Methodology	Lecture method ,Active learning methodology , Group discussions Method, Power Point Presentation , Audio Visual methods, Seminar, Assignment, Quiz, Field visit, debates
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Know the concept of NGO and present status of NGO.
2.	Manage NGO & required resource mobilization.
3.	Enhance employability in NGO.

Suggested References:	
Sr. No.	References
1.	Abraham A. <i>Formation and Management of NGOs</i> (2003). New Delhi: Third Edition, Published by Universal Law publishing Co. Pvt Ltd.
2.	Clark J. (1991). <i>Voluntary Organizations: Their Contribution to Development</i> . London: Earth Scan
3.	Lewis D. <i>Management of Non Governmental Development Organization</i> (2001). Newyork: Second Edition, Published by Routledge.



4.	Dorothea H. (2003). <i>the real world of NGO's, Discourses, Diversity and Development</i> . New Delhi: Zed books Ltd.
5.	Jain R.B. (1995). <i>NGO's in Development Perspective</i> . New Delhi: Vivek Prakasan.
6.	Joel, S.G.R., and Bhose. (2003). <i>NGO's and Rural Development – Theory and Practice</i> . New Delhi: Concept Publishing Company.
7.	John M. R. (2002). <i>Stakeholders in Rural Development – Critical Collaboration in State – NGO Partnerships</i> . New Delhi: Sage Publications.
8.	Julie F. (2003). <i>Governments, NGO's and the Political Development of the Third World</i> . Jaipur: Rawat Publications.
9.	Julie F.(2003). <i>Non Governments – NGO's and the Political Development of the Third World</i> . New Delhi: Rawat Publications.
10.	Kalyan S. (2013). <i>An Easy Guide to NGO</i> . Kolkata: Book Corporation.
11.	Kumar, A. (2003). <i>Social Change through NGO's</i> . New Delhi: Anmol Publishers.
12.	Kavita K. et al (2010). <i>Status of Child and Welfare Originations</i> , Jaipur: Aaviskar Publishers.
13.	Singh R.S. (2003). <i>Role of NGO's in Developing Countries (Potentials, Constraints and Policies)</i> . New Delhi: Deep & Deep Publications (P) Ltd.
14.	Chandra S. (2003). <i>Guidelines for NGO Management in India</i> . New Delhi: Published by Kanishka Distributors.



Bachelor of Science – Home Science
(B.Sc. – H.Sc.) (Home Science) Semester (V)

Course Code	UH05EHSC53	Title of the Course	Accessories and Adornment
Total Credits of the Course	02	Hours per Week	02
Course Objectives:	<ol style="list-style-type: none">1. Gain knowledge on importance of accessories & adornments in dress design.2. Enable students gather knowledge on accessories & adornment used in garments.3. Make students aware of the materials, styles and placement of accessories and adornments.		

Course Content		
Unit	Description	Weightage* (%)
1.	Importance of adornment and accessories	10
2.	Accessories & adornments during middle age	20
3.	Accessories in modern times: (a) Hats & headgear (b) Jewellery (c) Sash (d) Shoes & boots (e) Muffs & gloves (f) Handbags	30
4.	Adornments: (a) Buttons (b) Lapel pins (c) Laces & ruffles (d) Ribbons (e) Braids (f) Through surface ornamentation (g) Hand & machine embroidery	30
5.	Innovations in adornment & accessories	10

Teaching-Learning Methodology	Lectures, Power -point Presentations, blackboard and chalk, Field Visits, ICT enabled Teaching, market survey, discussions, assignments, Presentations, Individual / group project.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Appreciate the role of accessories in fashion.
2.	Comprehend the techniques of adornment.
3.	Develop the skill to coordinate adornments & accessories in garments.

Suggested References:	
Sr. No.	References
1.	Dickerson K.G. (2003), <i>Inside the Fashion Business</i> . New Delhi: VII Edition, Person Education Pvt. Ltd., Indian Branch.
2.	Jarnow, Guerreiro, Judelle, (1987), <i>Inside the Fashion Business</i> , New York: IV Edition, Macmillan Publishing Company.
3.	Kumar. A. (2010), <i>Fashion Tourism</i> , New Delhi: Sonali Publication, India.
4.	Makelvey K. (2006), <i>Fashion Source Book</i> , U.S.A.: II Edition, Blackwell Publishing Ltd.
5.	Pundir N., (2007), <i>Fashion Technology- Today & Tomorrow</i> , New Delhi: Mittal Publication, India.
6.	Neelima, (2009), <i>Fashion & Textile Design</i> , New Delhi: Sonali Publications.



Bachelor of Science -Home Science
(B.Sc. – H. Sc.) (Home Science) Semester (V)

Course Code	UH05EHSC54	Title of the Course	Food Adulteration
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Familiarize students with food standards.2. Enable testing of different foods for their quality.3. Familiarize students with tests used for finding adulterations and quality assessments.
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Course Content		
Unit	Description	Weightage* (%)
1.	Food Adulteration – Definition, types.	15
2.	(a) Food Laws Voluntary /Mandatory. Role of National & International Voluntary Agencies and legal aspects of consumer protection. (b) Food Standards.	25
3.	Specifications for the following (a) Milk & milk products (b) Oil and Fats (c) Spices & Condiments (d) Food grains. (e) Flours. (f) Canned Foods (g) Fruits and vegetable products (h) Flesh Foods (i) Sugar & preserves (j) Beverages- alcoholic & non-alcoholic	35
4.	(a) Contaminants, residues & pollutants (b) Conditions for Sale & License	25

Teaching-Learning Methodology	Chalk and board, Power point presentations, Class Discussions, Class activities / assignments, quiz
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Conduct adulteration test on a small scale basis, enterprise, and household level will gain knowledge of agencies working for it.

Suggested References:	
Sr. No.	References
1.	ISI Publications on above topics
2.	Association of Official Agricultural Chemists, & Horwitz, W. (1975). <i>Official methods of analysis</i> (Vol. 222). Washington, DC: Association of Official Analytical Chemists.
3.	Raghuramulu, N., Nair, K. M., & Kalyanasundaram, S. (Eds.). (1983). <i>A manual of laboratory techniques</i> . New Delhi: National Institute of Nutrition, Indian Council of Medical Research.

On-line resources to be used if available as reference material
On-line Resources
Epgp.inflibnet.ac.in/Home



Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Home Science) Semester (V)

Course Code	UH05EHSC55	Title of the Course	Basics of Research
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. To develop understanding of the basic framework of research process.2. To develop an understanding of various research designs and techniques.3. To identify various sources of information for literature review and data collection.4. To develop an understanding of the ethical dimensions of conducting research
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Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to Research (a) Meaning ,purpose, approaches and types of research (b) Identification of problem (c) Collecting review and keywords (d) Research ethics and plagiarism	25
2.	Methods of data collection (a) Primary and Secondary data collection methods (b) Qualitative methods of data collection, (c) Survey methods of data collection (d) Sampling and types of sampling	25
3.	Processing and analysis of data (a) Measures of central Tendency (Mean, medium, Mode), (b) Measures of dispersion (range, mean deviation, standard deviation) (c) Graphical representation of Data.	25
4.	Preparing a small project and report writing (Title page, Abstract, Introduction, Methodology, Results, Discussion, References, and Appendices)	25

Teaching-Learning Methodology	Lectures, active learning, reflective learning, written exercises, collaborative learning, problem solving, case studies, ICT enabled learning
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand research terminology
2.	Identify the components of a literature review process
3.	Understand the research methodology
4.	Prepare a scientific report of the given project

Suggested References:	
Sr. No.	References
1.	Bernard, H.R. (2013). <i>Social Research Methods: Qualitative and Quantitative Approaches</i> . New Delhi: Sage publications.
2.	Best and Kahn. (2009). <i>Research Methodology</i> . New Delhi: PHI Learning Private Limited.
3.	Kothari, C.R. (2004). <i>Research Methodology (Methods and Techniques)</i> . New Delhi: New Age Publisher.
4.	Bandarkar, P.L., and Wilkinson, T.S. (2000). <i>Methodology and Techniques of Social Research</i> . Mumbai: Himalaya Publishing House.
5.	Dooley, D. (1995). <i>Strategies for Interpreting Qualitative Data</i> . California: Sage Publications.
6.	Gay, L.R. (1981). <i>Educational Research: Competencies for Analysis and Applications</i> . (2 nd ed.) Columbus: Charles E. Merrill Publishing Company and A. Bell and Howell Company.
7.	Ahuja, R.(2010). <i>Research Method</i> . New Delhi: Rawat Publication
