

**SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR**

**B.Sc. Home Science**

**(Under Choice Based Credit Scheme)**

**Semester - SIXTH (TEXTILES AND CLOTHING) YEAR 2023-2024**

Sr. No.	Course Type	Course Code (10)	Name of Course	Theory (T) Practica	Credit	Contact hrs/ week	Exam Duration in hrs	Marks		
								Internal	External	Total
1	Ability Enhancement Courses	UH06A HSC51	Interpersonal Communication in Workplace	T	2	2	2	15/5	35/14	50/20
2	Core Courses	UH06CT	Dyeing, printing and finishing of Textiles	T	4	4	3	30/10	70/28	100/40
3		UH06CT	Dyeing, printing and finishing of Textiles	P	2	4	3	15/5	35/14	50/20
4		UH06CT	Apparel	T	4	4	3	30/10	70/28	100/40
5		UH06CT	Culture a	T	2	2	2	15/5	35/14	50/20
6	Skill Enhancement Courses	UH06ST	Portfolio Preparation	P	2	4	3	15/5	35/14	50/20
7		UH06ST	Textile T	P	2	4	3	15/5	35/14	50/20
8		UH06ST	Internship	P	4	8		200/66		200/80
9	Elective Courses (Any	UH06EH	Human Resource Management	T	2	2	2	15/5	35/14	50/20
10		UH06EH	Life skills development	T	2	2	2	15/5	35/14	50/20

11	One)	UH06EH	Garment s-Export and Import	T	2	2	2	15/5	35/14	50/20
12		UH06EH	Hygiene and Sanitatio n	T	2	2	2	15/5	35/14	50/20
			<b>Total</b>		<b>24</b>	<b>34</b>		<b>350</b>	<b>350</b>	<b>700</b>



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

Course Code	UH06AHSC51	Title of the Course	Interpersonal Communication in Workplace
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. Prepare the students for work place</li><li>2. Inculcate in them important aspects of leadership</li><li>3. Help them understand the intricacies of team work at work place.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Need for interpersonal skill development (a) Understanding the universal need for developing interpersonal skills (b) How to develop interpersonal skills in a workplace (c) Informal learning	25
2.	Understanding the difference between individuals (a) What is personality (b) The main personality traits and factors (c) Effect of personality traits o job performance (d) How to deal with different personality types (e) Value differences and how to deal with them (f) Different kinds of intelligences (g) Work ethics	25
3.	Interpersonal communication (a) How does communication happen (b) Relationship building (c) Non- verbal communication (d) Overcoming communication barriers (e) Steps to effective communication (f) Diversity in Understanding Cultural differences	25
4.	Team Building (a) Why team work is important (b) Types of teams (c) The advantage and disadvantage of teamwork (d) Role distribution (e) Guidelines for team level communication	25





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.	Understand workplace strategies
2.	Comprehend the importance of interpersonal skills
3.	Perform better in their workplace

Suggested References:	
Sr. No.	References
1.	Cole, M. & Cole, S. (1993). <i>The development of children</i> . New York: Scientific American Books.
2.	Kumar, A. (2000). <i>Child Psychology</i> . New Delhi: Anmol Pub. Pvt Ltd.
3.	Saraswati, T. S. & Kaur B. (1993) <i>Human Development &amp; Family Studies in India: An agenda for research and policy</i> (PP67-76) New Delhi: Sage Publication.

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

Course Code	UH06CTCL51	Title of the Course	Dyeing, Printing and Finishing of Textiles
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. Introduce basics of dyeing, printing and finishing</li><li>2. Inculcate the knowledge of auxiliaries and chemicals used for dyeing and printing</li><li>3. Enhance the understanding of the relation between the dyes, pigments and fabrics.</li><li>4. Acquaint students with the importance of finishing of textiles</li><li>5. Develop the skills in doing dyeing and printing of textiles</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	<b>Introduction</b> (a) History of dyeing and printing (b) Terms related to colour Dye, pigment, light, hue, value, intensity (c) Colour wheel and schemes (d) Digital colour models: CMYK. RGB (e) Colour matching system (f) Directional and non-directional printing (g) Motifs types: Geometric, floral and novelty	10
2.	<b>Basics of Dyeing and Printing</b> (a) Classification of dyes (b) Classification of Printing (c) Difference between dyes and pigments (d) Pre-preparation of fabrics before dyeing and printing- Desizing, scouring, bleaching, mercerization, carbonization (e) Heat setting: processing method	20
3.	<b>Dyeing</b> (a) Classification of dyes (b) Auxiliaries and machineries used for dyeing (Dyestuff, Wetting agent, Solvents, Solution aids & dispersing agents, Thickeners, Defoaming agents, Oxidizing & reducing agents, Catalyst & oxygen Carriers, Acids & alkalis, Carriers & swelling agents, Miscellaneous ) (c) Methods for dyeing (d) Factors affecting dyeing	20





	<ul style="list-style-type: none"> <li>(e) Dyeing of cotton, wool and silk</li> <li>(f) Dyeing of viscose and polyester</li> <li>(g) Natural dyeing methods and limitations</li> <li>(h) After treatments</li> </ul>	
4.	<b>Printing</b> <ul style="list-style-type: none"> <li>(a) Preparation of print paste and printing table</li> <li>(b) Pigments and dyes used</li> <li>(c) Direct style of printing</li> <li>(d) Resist style of printing</li> <li>(e) Discharge style of printing</li> <li>(f) Novel techniques of printing- Spray printing, Flock printing, Transfer printing, Photographic printing, Digital printing</li> <li>(g) Fixation and after treatment processes</li> </ul>	20
5.	<b>Finishes</b> <ul style="list-style-type: none"> <li>(a) Classification : Physical, Chemical and Functional</li> <li>(b) Objectives of textile finishing</li> <li>(c) Factors affecting the finishing of textiles: fibre, weave, physical properties, end use, susceptibility to chemical modification</li> <li>(d) Finishes for achieving different texture</li> <li>(e) Finishes for enhancing specific characteristics</li> <li>(f) General / routine finishes – Calendaring, Bleaching &amp; Scouring, Sanforizing, Mercerizing, degumming</li> <li>(g) Special/ functional finishes- Crease resistance, permanent &amp; durable press</li> <li>(h) Fire retardant, moth proof, soil &amp; stain resistance, water proof.</li> </ul>	30

<b>Teaching-Learning Methodology</b>	Lectures along with power point presentation/ videos on industrial methods/hands on experience for dyeing and printing on textiles/visit to Dyeing and Printing unit
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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.	Describe the basics of dyeing, printing and finishing. (a) Examine the knowledge of auxiliaries and chemicals used for dyeing and printing (b) Explain the relation between the dyes, pigments and fabrics. (c) Recommend the finishing for textiles (d) Dye and print textiles. (e) Reproduce the required shade from batch to batch
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Suggested References:

Sr. No.	References
1	Corbman,B.P.(1983). <i>Textile Fibres to Fabrics</i> . New York: Mc.Grow Hill International Editions.
2	Murphy V & Gill (2000). <i>Tie- Dyed textiles of India, Traditions &amp; Trade</i> . Chandigarh: Abhishek Publications.
3	Panda M. (1999). <i>Modern Technology of Textiles Dyes &amp; Pigments</i> . New Delhi: NIIIR.
4	Srivastava S.B. (1983). <i>Recent processes of Textiles Dyeing Bleaching &amp; Finishing</i> . New Delhi: Small Business Publications.
5	Tortman E. (1975). <i>Dyeing Chemical Technology of Textiles</i> . London: Charles Griffin.
6	Korth, H. (1977). <i>Textiles</i> . London: Work Ltd.
7.	Leisure C. (1969). <i>Batik Leisure Crafts</i> . London.
8.	Murphy W.S.(2000). <i>Textiles Finishing</i> . Chandigarh: Abhishek Publication.
9.	Mishra,S.P. (2000). <i>A Text book of fiber Science &amp; Technology</i> . New Delhi: New age International Publication.
10	Nalankilli & Taya P. (1997). <i>Textile Finishing</i> . Tamilnadu: SSM Institute.
11.	Nakamar, A. (1996). <i>Fiber Science And Technology</i> . Bombay: Oxford & IBH Publications.

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

Course Code	UH06CTCL52	Title of the Course	Practical - Dyeing, Printing and Finishing of Textiles
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. Introduce basic methods of dyeing, printing and finishing</li><li>2. Inculcate the knowledge of auxiliaries and chemicals used for dyeing and printing</li><li>3. Acquaint students with the importance of preparatory and finishing of textiles.</li><li>4. Develop the skills in doing dyeing and printing of textiles</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Preparation of fabric for dyeing and printing (a) Scouring, desizing, bleaching	-
2.	Dyeing: (a) Dyeing of yarn and fabric with different classes of dyes by varying the temperatures, %shade and M: L ratio. (b) Dyeing of cotton yarn and fabric with direct dyes, vat and reactive dyes. (c) Dyeing of silk, wool and nylon yarn and fabrics with basic and acid dyes. (d) Dyeing of polyester yarn and fabric with disperse dyes.	20
3.	Designing 05 motifs for each printing methods as (a) Block printing (b) Stencil printing (c) Batik printing (d) Screen printing (e) Tie & Dye	10
4.	Developing/ Making of (a) Block (b) Screen (c) Stencil For printing	20
5.	Printing of fabrics using: (a) Direct style - block, stencil and screen (b) Resist style - Tie &Dye, Batik	20







6.	Application of starch by varying concentration and material (a) Natural starch (b) Synthetic starch	10
7.	Printing on garments/ home textile by different styles (a) Product development	20

Teaching-Learning Methodology	Lectures along with power point presentation/ videos on industrial methods/hands on experience for dyeing and printing on textiles/visit to Dyeing and Printing unit
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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.	Describe the basics of dyeing, printing and finishing. (a) Examine the knowledge of auxiliaries and chemicals used for dyeing and printing (b) Explain the relation between the dyes, pigments and fabrics. (c) Recommend the finishing for textiles (d) Dye and print textiles. (e) Reproduce the required shade from batch to batch

Suggested References:	
Sr. No.	References
1	Chavan, R.B. (1979). <i>Textile Printing (Book of Papers)</i> . New Delhi: Department of Textile Technology, IIT.
2	Giles, G.H. (1974). <i>Laboratory Course in Dyeing Hart &amp; Clough</i> . England: Bradford.





**SARDAR PATEL UNIVERSITY**  
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**Syllabus with effect from the Academic Year 2023-2024**

3	Kale, D.G. (1976) <i>Principles of Cotton Printing</i> . Ahmedabad: Maharaja Brothers.
4	Saraiya, N.S. & Gupta, P.C. <i>Technology and Management of Printing</i> .
5	Shenai, V.A. (1979). <i>Chemistry of Dyes and Principles of Dyeing</i> . Mumbai: Sevak Publications.
6	Trotman E.R. (1975). <i>Dyeing and Chemical Technology of Textile Fibre</i> . London: Charles Griffin & Co. Ltd.
7	Wynne Andrea (1997). <i>Textiles: The Motivate Series</i> . London: Mcmillain Education Ltd.
8	Vilensky L.D. & Gohil E.P. G. (1987). <i>Textile Science, An explanation of fiber properties</i> . Delhi: CBS Publishers & Distribution.

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

Course Code	UH06CTCL53	Title of the Course	Apparel Manufacture Technology
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. Develop understanding of apparel manufacturing process in industries.</li><li>2. Impart knowledge of equipments and techniques used in apparel manufacturing.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Apparel industry - Introduction and history	10
2.	Production system used in apparel industry	10
3.	Process of apparel manufacturing <ol style="list-style-type: none"><li>(a) Production planning – merchandising, marker planning, layout</li><li>(b) Cutting – types of cutting equipments, their functions &amp; application</li><li>(c) Sewing - Garment sewing machines, specialized sewing machines</li><li>(d) Finishing – Importance of finishing in apparel industry<ul style="list-style-type: none"><li>• Acceptable quality level</li><li>• Finishing equipments</li></ul></li><li>(e) Packaging &amp; labeling<ul style="list-style-type: none"><li>• Importance and essentials</li><li>• Equipment's used</li></ul></li></ol>	30
4.	Sewing assembling <ol style="list-style-type: none"><li>(a) Different types of stitches</li><li>(b) Different types of seams</li><li>(c) Needles &amp; needle parts</li><li>(d) Needle break policy</li><li>(e) Needles in specialized machine</li><li>(f) Special attachments in machine</li></ol>	30
5.	SPEC Sheet <ol style="list-style-type: none"><li>(a) Importance of SPEC sheets</li></ol>	20





	(b) Preparation of SPEC sheet	
Teaching-Learning Methodology	Various types of charts and boards, lecture, discussion, field trips, process videos and shows	

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.	Knowledge of various aspects of apparel industry and its working.

Suggested References:	
Sr. No.	References
1	Rai, I. (2002). <i>Textile Industry</i> , Jodhpur: Problems & prospects in 21 <sup>st</sup> Century. Books Treasure.
2	Dickerson K.G. (2003). <i>Inside the fashion business</i> . Delhi: Pearson Education Pvt Ltd.
3	Venkatesan, R. & Katti, V. (1999). <i>Indian Textile policy for 21<sup>st</sup> Century</i> . New Delhi: B.R. Publishing Corporation.
4	Prisco, D. & Moore, H. (1986). <i>Fashion merchandise information</i> . John Wiley & Sons, Inc.
5	Jarnew, J. Guerreiro, M., Judelle, B. (1987). <i>Inside the fashion business</i> . New York: Macmillan Publishing Company.





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6	Cooklin, G. (1991). <i>Introduction to clothing manufacture</i> . U.K: Black well Science Ltd.
7	Cooklin, G.(1997). <i>Garment technology for fashion designer</i> . U.K: Black well Science Ltd.

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

Course Code	UH06CTCL54	Title of the Course	Culture and Fashion
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. Acquire knowledge about various cultural differences in relation to clothing.</li><li>2. Create awareness about impact of attitudes and values on fashion.</li><li>3. Understand sociological and psychological impact of clothing</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Culture and Fashion (a) Meaning (b) Impact of culture on clothing (c) Fashion and Society (Role and importance of fashion in society, impact of fashion on society)	10
2.	(a) Indian culture & clothing styles (b) Western culture & Clothing styles	30
3.	First Impression (a) Self-Concept (b) Clothes, Self and society	20
4.	Clothing relationships (a) Class consciousness (b) Class Distinction (c) Social mobility and dress	20
5.	Clothes (a) Attitudes and Value (b) Individuals roles and status	20

Teaching-Learning Methodology	Lectures and talks, assignments, project work, survey, community intervention programmes etc.
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Evaluation Pattern





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

Suggested References:

Sr. No.	References
1	Janour, J. (1987). <i>Inside the Fashion Business</i> . New Delhi: Macmillan publishers.
2	Horn, M.(19750. <i>Second Skin</i> . Boston: Houghton Mifflin Co. Ltd.
3	Easy, M.(20020. <i>Fashion Marketing</i> . New Jersey: Black Well Science.

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

Course Code	UH06STCL51	Title of the Course	Practical - Portfolio Preparation
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	1. Gain knowledge for basics of portfolio preparation
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Course Content-		
Unit	Description	Weightage* (%)
1.	Introduction and importance of portfolio	-
2.	Materials required for portfolio	10
3.	Theme and Format of portfolio-hand craft, manual, loose pages, poster style, size to use	20
4.	Elements of portfolio-mood board, process/photographs/ drafts/ textile experiments, drawings, technical facts, techniques of garment development, swatches	20
5.	Final finishing and series of portfolio	50

Teaching-Learning Methodology	Talk and discussion, practical application, videos etc.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical 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	
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1.	Prepare their own portfolio
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Bachelor of Science - Home Science  
(B.Sc. - H.Sc.) (Textiles and Clothing) Semester (VI)

Course Code	UH06STCL52	Title of the Course	Practical - Textile Testing
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. Gain knowledge of physical properties of different textile fibers, yarns and fabrics.</li><li>2. Learn to assess the quality of textile fibers and fabrics.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Identification of textiles fibers (a) Microscopic tests. (b) Burning tests. (c) Solubility tests or Chemical tests. (Fibers to be tested – Cotton, wool, silk, jute, polyester, rayon, nylon, acrylic, acetate)	25
2.	Yarn determination (a) Twist (b) Yarn count (c) Lea testing (d) Linear density	25
3.	Fabric determination (a) Weight per unit area (b) Stiffness (c) Crease recovery (d) Thickness (e) Tearing strength (f) Drapability (Fabric used- light wt.- lizy bizi, polyester, voile, satin, medium wt.- poplin, casement, brasso, Heavy wt.- drill, jean, canvas, brocade) (g) Fabric strength (Warp and Weft) (h) Thread count	25
4.	Determination of fastness of dyed textile material (a) Washing fastness (b) Light fastness (c) Rubbing fastness	25





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Teaching-Learning Methodology	Laboratory experiments, assignments, analysis, etc.
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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.	Conduct basic tests for fibers, yarns & fabrics required for quality control in industries.

Suggested References:	
Sr. No.	References
1	Kothary, V.K. (1999). <i>Progress in Textiles &amp; Quality Management</i> . New Delhi: Lafi Publication.
2	Grover, E.B. & Hamby, D. S. (1988). <i>Handbook of textile testing and quality control</i> . New Delhi: 2 <sup>nd</sup> Ed. Wiley Eastman Ltd.
3	Angappan P. (2002). <i>Textiles Testing</i> . Tamilnadu: SSMIIT.
4	Basu, A. (2001). <i>Textile Testing Fibre, Yarn &amp; Fabric</i> . Coimbatore: The South India.
5	Skinle, J. (1972). <i>Textiles Testing</i> . Bombay: Taraporewala publications.
6	Booth, J.E. (1996). <i>Principles of Textiles Testing</i> . New Delhi: CBS Publication.

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

Course Code	UH06STCL53	Title of the Course	Practical - Training / Internship/ Project Work
Total Credits of the Course	04	Hours per Week	08

Course Objectives:	<ol style="list-style-type: none"><li>1. Inculcate skills required for jobs/their placements</li><li>2. Expose students with the first-hand experience of their field of graduation</li><li>3. Integrating their theory and practical knowledge in practice.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Placement of students for 03 weeks in (a) NGO (b) Textile units (c) Clothing industry (d) Fabric production units-knitted/woven (e) Fashion houses and boutiques (f) Process houses (g) Institutes for testing and quality certification (h) Cottage industry (i) Export houses (j) Printing units (k) Textile or garment design units  The internship will be conducted during/after Diwali vacations.	50
2.	Report writing	25
3.	Evaluation will be done on the basis of report writing, feedback and evaluation of the employer/trainer and presentation	25

Teaching-Learning Methodology	Field experience
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / 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.	Achieve clarity for their job requirements
2.	Face and seek jobs or start their own unit
3.	Put their gained knowledge in practice

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

Course Code	UH06EHSC51	Title of the Course	Human Resource Management
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. To familiarize students with the concept of human resource management and development.</li><li>2. To comprehend functions of human resource development.</li><li>3. To sensitize students towards challenges of human resource managers.</li><li>4. To acquaint the students with manpower planning and recruitment.</li><li>5. To familiarise with the Labour welfare laws and procedures.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	<b>Human Resources Management</b> (a) Concepts: Functions, roles, skills and competencies. (b) Structure of HRD: Structure of the department; The role of human resource manager. (c) Challenges of HR: Globalization, cultural environment, work force diversity, technological changes.	20
2.	<b>Human Resource Planning</b> (a) Manpower planning: Objectives, elements, advantages, Job description and job specification; Job analysis and evaluation (b) Recruitment: Sources, factors affecting, policy and evaluation (c) Selection process (d) Placement and Induction	30
3.	<b>Training and Development</b> (a) Need and areas of training (b) Training Process (c) Performance appraisal and development	30
4.	<b>Laws Governing Staff Planning and Management</b>	20





	(a) Employee laws (b) Trade union contracts and negotiations	
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Teaching-Learning Methodology	PowerPoint presentations, Lectures, Discussions, ICT enabled teaching
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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 human resource management, functions and development.
2.	Gain insight into challenges of human resource managers.
3.	Summarize the objectives of Human Resource planning, Recruitment and selection process.
4.	Understand the process involved in placement, training and development activities.
5.	Understand the characteristics of an effective appraisal system and compensation planning.
6.	Understand the issues related to employee welfare, grievances and discipline.

Suggested References:	
Sr. No.	References
1.	Rao, V.S.P. (2010). <i>Human Resource Management</i> . New Delhi: Excel books.





2.	Cynthia, D. Fisher (2010). <i>Human Resource Management</i> . Chennai: 3/e, AIPD.
3.	Snell, Bohlander and Vohra (2012). <i>Human Resource Management</i> . A South Asian Perspective, 16th Rep., Cengage Learning.
4.	Lawrence, S., Kleeman, Biztantra, (2012). <i>Human Resource Management</i> . New Delhi: Dreamtech Press India Pvt. Ltd.
5.	Aswathappa, K. (2011). <i>Human Resource Management</i> . New Delhi: Himalaya Publishing House.

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

On-line Resources

[https://en.wikipedia.org/wiki/Human\\_resource\\_management](https://en.wikipedia.org/wiki/Human_resource_management)

<http://www.whatishumanresource.com/human-resource-management>







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

Course Code	UH06EHSC52	Title of the Course	Life Skills Development
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. Develop insight into life skills and its crucial role in coping with challenges and improving quality of life.</li><li>2. Comprehend the core life skills and learn strategies to develop these skills in self as well as others through life skills education.</li><li>3. Learn the components, principles and skills to design and implement effective life skills education programme.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	<p>Concept and Meaning of Life Skills</p> <p>(a) Definitions and concept of life skills and life skills education</p> <p>(b) Importance of life skills for overall wellbeing and value of life skills education.</p> <p>(c) Core life skills: classification, concepts and strategies to enhance these skills. Understanding what are life skills meaning &amp; usefulness</p> <p>(d) Need for life skills in today's world</p> <p>(e) Preparing and dealing with changes.</p>	25
2.	<p>Driving our own growth.</p> <p>(a) Motivation: meaning need &amp; sources</p> <p>(b) Development positive thinking</p> <p>(c) Benefits of positive thinking</p> <p>(d) Mind power: Meaning, benefits of meditation</p> <p>(e) Incorporating 10 important life skills recommended by WHO (self-awareness, empathy, critical thinking, creative thinking, decision making, problem solving, effective communication, interpersonal skills, coping with stress and coping with emotions) while preparing the Life Skills Education programmes/curriculum/modules while ensuring their age appropriateness and cultural and contextual relevance. Skills for self: critical thinking skills, decision making skills, interpersonal</p>	25





	communication skills, coping with stress and emotions; self-management skills, ability for empathy and compassion.	
3.	<b>Stress management:</b> (a) Understanding stress (b) Techniques to manage stress (c) Understanding relation between life goals, motivation, productivity and stress. (d) Leadership skills: Key characteristics of leader, self-confidence, assertiveness, trustworthiness, morality, emotional, stability, emotional sense of humors, self-awareness, objectivity, developing of teamwork skills, decision making, emotional stability.	25
4.	<b>Importance of Communication in Imparting Life Skills Education</b> (a) Concept and importance of communication · (b) Effective communication strategies for impactful life skills education programme (effective listening, speaking, building and maintaining relationships, understanding group dynamics and functioning in groups, delegating responsibilities) (c) Communicating with the audience: receiving feedback, handling questions, etc.	25

Teaching-Learning Methodology	Lecture method, Group discussions Method, Power Point Presentation, Audio Visual methods, Games Seminar, Assignment, 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.	Explain importance of life skills education from individual, interpersonal, familial and societal perspectives.
2.	Develop personal & professional growth.
3.	Help in improvement of personality.
4.	Enhance employability.

Suggested References:

Sr. No.	References
1.	Nishitesh, Dr. Bhaskara Reddy (2012). <i>Soft Skills &amp; Life Skills</i> . Hyderabad: B Sc publishers.
2.	Rao, M.S. (2010). <i>Soft Skills, Enhancing Employability</i> . New Delhi: Connecting campus with corporate, IK International Pvt. Ltd.
3.	Schulz, B. (2008). <i>Importance of soft skills</i> . Education beyond Academic Knowledge.

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

Course Code	UH06EHSC53	Title of the Course	Garments-Export and Import
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. Make students aware of garment import &amp; export marketing techniques.</li><li>2. Acquire knowledge of textile policies in India.</li><li>3. Develop insight in quality assurance of apparel &amp; textile products.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	(a) Introduction to export & import management (b) Management function	20
2.	Finance function (a) Nature & Scope (b) Methods of financing (c) Financial planning	20
3.	Policies in apparel & textile export (a) Government (b) Nongovernment	15
4.	Business System (a) Laundering a proprietorship (b) Joint stock company (c) Cooperatives (d) Partnership	25
5.	Quality Control in apparel & textile units (a) Importance (b) Stages of Quality Control in Industry (c) Role of Information technology	20
Teaching-Learning Methodology	Lectures , demonstrations, videos, role plays, visits	





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

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|----|---|
| 1. | Work in the field of export and import of textiles. |
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Suggested References:

Sr. No.	References
1	Kothary, V.K.(1999); <i>Progress in Textiles &amp; Quality Management</i> . New Delhi: Lafi Publicios
2	Grover, E.B. & Hamby D. S. (1988); <i>Hand Book of Textiles Testing and Quality control</i> (2 <sup>nd</sup> Ed). New Delhi: Wiley Eastman Ltd.
3	Angappan, P. (2002); <i>Textiles Testing</i> . Tamil Nadu: SSMIIT.
4	Basu, A. (2001). <i>Textile Testing Fibre, Yarn &amp; Fabric</i> . Coimbatore: The South India.
5	Booth, J.E (1996). <i>Principles of Textiles Testing</i> . Delhi: CBS Publication,

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

Course Code	UH06EHSC54	Title of the Course	Hygiene and Sanitation
Total Credits of the Course	02	Hours per Week	02
Course Objectives:	1. Develop correct habits of personal and environmental hygiene. 2. Students can learn safe handling of food and ensure complete safety of raw and processed foods.		

Course Content		
Unit	Description	Weightage* (%)
1.	(a) Definition of hygiene its application to everyday life. Personal hygiene care of skin, hair, hands feet, teeth, use of cosmetics and jewellery. (b) Safe handling of food – Personal hygiene including uniform, medical check-up, good food handling habits and training, control and eradication of flies, cockroaches, rodents and other pests.	20
2.	Basic Principles of Food Safety: definition, Sources of contamination, Difference between food poisoning and food infection, Safety in food processing- (a) Food procurement (b) Storage (c) Handling (d) Preparation	10
3.	Disinfections – Definition of disinfectant, sanitation, antiseptic and germicides, common disinfectants, use in case of working surfaces. Plant equipments, Dish washing, hand washing etc., and sterilization of plant equipments.	20
4.	Care of premises and equipments–impervious washable floors and walls, table tops, floors etc. Good ventilation and lighting, care of dark corners, crevices and cracks. Garbage disposal – collection storage and proper disposal from the premises including effluents.	25
5.	(a) Storage of food – Technique of correct storage temperature of different commodities to prevent bacterial contamination of milk, butter, cream, cheese, fruit juices. LTHT, HTST method, sterilization of milk, water etc. (b) Legal administration and quality control – Laws relating to Food Hygiene.	25





Teaching-Learning Methodology	Lecture Method, Questions-Answer method, Discussion method, Brain storming method, Observational method, Use of ICT
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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.	Knowledge of personal and industrial hygiene and sanitation.
2.	Information regarding storage and care of food and equipment.
3.	Aware about legal standards related with food hygiene.

Suggested References:	
Sr. No.	References
1.	Hobbs B.C. and Gilbert (1970): <i>Food Poisoning and Food Hygiene</i> , Edward Arnold , London.
2.	Graham-Rack, B., & Binsted, R. (1973). <i>Hygiene in food manufacturing and handling</i> .
3.	Marriott, N. G., & Robertson, G. (1997). <i>Essentials of food sanitation</i> . Berlin: Springer Science & Business Media.
4.	Roday, S. (1998). <i>Food hygiene and sanitation</i> . Ahmedabad: Tata McGraw-Hill Education.

On-line resources to be used if available as reference material
On-line Resources
<a href="http://e-PGPathshala (inlibnet.ac.in)">e-PGPathshala (inlibnet.ac.in)</a>

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