

**SARDAR PATEL UNIVERSITY  
VALLABH VIDYANAGAR**

**Programme outcome:**

The programme outcome of M.Sc. (Home Science) is to instill professional, practical and entrepreneurship skills for improvement in the quality of life of family and community.

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**Course specific outcome (General Home Science):**

- The programme provides knowledge to understand various approaches to family and community care.
- To acquaint the students with the basic knowledge related to Foods and Nutrition, Human Development, Textiles and Clothing, Family Resource Management and Extension through theoretical and practical skills.
- To familiarize the students with government programs and schemes related to the welfare of family and community.
- To impart field work experience to identify problems and their probable solutions related to community.
- To train the students to take up jobs in nutrition related state, national and international health and welfare programmes.
- To acquire skills to undertake systematic and independent research in various areas of Home Science.



**SARDAR PATEL UNIVERSITY**  
**Programme – M.Sc.**  
**(Under Choice Based Credit Scheme)**  
**Structure with effect from: 2021-22**



**M.Sc. H.Sc. General Home Science**  
**III Semester**

	C/ E *	Course No	Title	T/P	Credi ts per week	Contact hrs/ week	Exam Duration in hrs	Marks		
								Internal	External	Total
<b>Core Course</b>										
1	C	PH03CGEN51	Research Methodology and Scientific Writing	T	2	2	2	15/5	35/14	50/20
2	C	PH03CGEN52	Practical - Scientific Writing	P	1	2	--	25/10	--	25/10
3	C	PH03CGEN53	Food Service and Hospitality Management	T	4	4	3	30/10	70/28	100/40
4	C	PH03CGEN54	Textile Science	T	4	4	3	30/10	70/28	100/40
5	C	PH03CGEN55	Practical- Textile Analysis and Design	P	2	4	4	15/5	35/14	50/20
6	C	PH03CGEN56	Theories and Concepts in Resource Management	T	4	4	3	30/10	70/28	100/40
7	C	PH03CGEN57	Practical – Management of Family Resources	P	2	4	4	15/5	35/14	50/20
8	C	PH03CGEN58	Seminar	-	2	4	--	50/20	-	50/20
<b>Elective Course (any one from 10 and 11)</b>										
9	E	PH03EGEN51	Nutrition during life cycle	T	4	4	3	30/10	70/28	100/40
10	E	PH03EGEN52	Food Safety	T	4	4	3	30/10	70/28	100/40
		<b>Total</b>			<b>25</b>	<b>32</b>		<b>240</b>	<b>385</b>	<b>625</b>

**Note:** Students have to choose any one elective theory course.



**SARDAR PATEL UNIVERSITY**  
**Programme – M.Sc.**  
**(Under Choice Based Credit Scheme)**  
**Structure with effect from: 2021-22**  
**M.Sc. H.Sc. General Home Science**  
**IV Semester**



	C/E*	Course No	Title	T/P	Credits per week	Contact hrs/ week	Exam Duration in hrs	Marks		
								Internal	External	Total
<b>Core Course</b>										
1	C	PH04CGEN51	Community Nutrition	T	4	4	3	30/10	70/28	100/40
2	C	PH04CGEN52	Practical –Community Nutrition	P	2	4	4	15/5	35/14	50/20
3	C	PH04CGEN53	Fashion Merchandising	T	2	2	2	15/5	35/14	50/20
4	C	PH04CGEN54	Practical- Fashion Illustration	P	2	4	4	15/5	35/14	50/20
5	C	PH04CGEN55	Residential Space Planning and Interior Designing	T	4	4	3	30/10	70/28	100/40
6	C	PH04CGEN56	Practical - Residential Space Planning and Interior Designing	P	2	4	4	15/5	35/14	50/20
7	C	PH04CGEN57	Community Development –II	P	4	8	--	100/40	--	100/40
<b>Viva Group</b>										
8	C	PH04CGEN58	Comprehensive Viva-Voce	--	1	2	--	25/10	--	25/10
<b>Elective Course (any one from 8 and 9)</b>										
9	E	PH04EGEN51	Advanced study in Human Development	T	4	4	3	30/10	70/28	100/40
10	E	PH04EGEN52	Care of the Elderly	T	4	4	3	30/10	70/28	100/40
<b>Total</b>					<b>25</b>	<b>36</b>		<b>275</b>	<b>350</b>	<b>625</b>

**Note:** Students have to choose any one elective theory course.



(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN51	Title of the Course	Research Methodology and Scientific Writing
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. To understand significance of research in Home Science</li><li>2. To understand sampling methods and techniques.</li><li>3. To understand types of researches and develop the ability to construct data gathering tools appropriate to research design</li><li>4. To gain knowledge regarding scientific writing in research report presentations.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Basic concepts of research: Introduction, Meaning, Objectives, Characteristics, Requirements for a Scientific Research, Types of Researches: Exploratory and Descriptive	15
2.	Research Problem: Introduction, Selecting the Problem, Defining the Problem, Sources of Problem, Criteria for Selection of the Problem, Delimiting a Problem, Process of Formation of a Research Problem	20
3.	Research design and Hypothesis Formulation: (a) Meaning of Research Design, Types of Research Designs (exploratory, descriptive, diagnostic, experimental) (b) Hypothesis, Sources of Hypothesis, Forms of Hypothesis	15
4.	Sampling methods and techniques: Meaning and Definition of Population and Sampling, Techniques of Sampling (probability and non-probability)	15
5.	Data collection and Measurement: (a) Types of data: Secondary and Primary (b) Methods of Primary data collection: Observation, Personal Interview, Questionnaire, Schedule, Case Study, Social Survey, Field study, Field experiment, Scaling measurement: types of measurement scales	20
6.	Organization of data and presentation:	15





	(a) Coding, Tabulation and Charts (b) Purpose of Report, Essentials of a Good Report, Types of Report Presentations (written, oral, poster), Format of a Report	
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Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Discussion on recent updates with examples
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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.	Become better researchers.
2.	Know how to present research report in a systematic manner

Suggested References:	
Sr. No.	References
1.	Kothari, C.K. (1990). <i>Research methodology: Methods and techniques</i> . New Delhi: Wiley Eastern Ltd.
2.	Sarangi, P.(2010). <i>Taxman's research methodology</i> . New Delhi: Taxman Publications (P) Ltd.
3.	Oliver, P. (2008). <i>Writing your thesis</i> . Delhi: Sage Publication.
4.	Hart, C. (2005). <i>Doing your master's dissertation</i> . New Delhi: Vistaar Publications.





5.	Chawla. D and Sondhi. N. (2011), <i>Research methodology concepts and cases</i> . Noida: Vikas Publishing House.
6.	William, N. <i>Your Research project</i> . New Delhi: Vistaar Publications.

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

On-line Resources

<https://www.open.edu/openlearn/money-management/understanding-different-research-perspectives/>

[www.guide2research.com](http://www.guide2research.com)

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN52	Title of the Course	Practical - Scientific Writing
Total Credits of the Course	01	Hours per Week	02

Course Objective:	To understand the nuances of scientific writing and develop skills in presentation of scientific information.
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Course Content		
Unit	Description	Weightage* (%)
1.	Scientific writing as a means of communication (grammar, punctuation and conventions of scientific writing)	15
2.	(a) Sections of a report: Research Paper, Thesis/Dissertation, Poster (b) Steps in writing a report	10
3.	Tables: Drafting titles, subtitles, construction details	15
4.	Graphs- Types, Title, Elements (scales, title, scale captions and key)	15
5.	Citing the references	15
6.	Appendices: Content, Need, Rules for Presentation	10
7.	Writing of proposal (for grants)	20

Teaching-Learning Methodology	Classroom lecture (Black board/ Power Point Presentation), Practice exercises in class, discussions
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	100%







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

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|----|--|
| 1. | Demonstrate knowledge of scientific writing method and style.          |
| 2. | Develop research proposal on a topic relevant to their field of study. |

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((Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN53	Title of the Course	Food Service and Hospitality Management
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To equip candidates with the knowledge of hospitality management and the services offered.</li><li>2. To acquire knowledge on the functions of various areas in a Food Service and Hospitality Management.</li></ol>
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Course Content		
Unit	Description	Weightage * (%)
1.	<p>Introduction to Hospitality Industry:</p> <ol style="list-style-type: none"><li>(a) Definition: Hospitality and Hotel.</li><li>(b) Classification &amp; Categorization of Hotels- Hotel Ownership. A brief account of Commercial Hotels- Residential Hotels, Resort Hotels, Airport hotels, Bed &amp; Breakfast Hotels, Convention hotels, Casino Hotels, and Motels.</li></ol>	10
2.	<p>Front office Department:</p> <ol style="list-style-type: none"><li>(a) Basic Functions of front office.</li><li>(b) Layout of front office.</li><li>(c) Guest cycle.</li><li>(d) Hierarchy chart: Small, medium and Large hotels, Job description and Job specification.</li><li>(e) Coordination with other departments.</li><li>(f) Basic reservation system -Procedures of check- in and check-out, VIP Procedures, Cancellation.</li></ol>	25
3.	<p>Role of Housekeeping in Hospitality Operations:</p> <ol style="list-style-type: none"><li>(a) Importance and Objectives of housekeeping.</li><li>(b) Hierarchical position of Housekeeping and their roles &amp; responsibilities.</li><li>(c) Layout of housekeeping department.</li><li>(d) Areas in housekeeping department: Linen and uniform room (Layout and physical features, Types of linen &amp; uniform &amp; their</li></ol>	15





	selection, Storage, Stock determination, control and distribution) and Laundry(Layout, On-off premises laundry-advantage and disadvantage, Laundry procedure, Stain removal  (e) Work schedule, types of shifts, Record keeping.	
4.	Introduction to Food Service Management:  (a) History & Development Food service establishments. (b) Objectives, Principles & Functions of Food service management. (c) Layout and equipment for foods services, Sanitation and hygiene in handling foods (d) Types-commercial and non-commercial, their characteristics. (e) Contribution of food service institutions in meeting socioeconomic and dietary needs. (f) Managerial problems in food service establishment.	25
5.	Meal Services Management:  (a) Types of Meal service (English / Silver, American, French, Russian Self Service – Buffet & Cafeteria, Laying the Table and Etiquette & Manners). (b) Menu planning for industrial canteen, hospital canteen, cafeteria, snack bar, residential hostel. (c) Standardization of recipes suitable for fast food outlet, industrial canteen, hospitals, college hostel , Utilization of left over foods (d) Quantity food production: Principles involved in development of recipes in large scale cooking.	20
6.	Visit to canteen attached to hospital and dietary department cafeteria, 3 star hotel/restaurant, 5 star hotel / restaurant, industrial canteen and prepared a report on hospital canteen, cafeteria, 3 star hotel / restaurant, 5 star hotel / restaurant in terms of organizational set up, production, preparation and service.	05

Teaching-Learning Methodology	Power point Presentation, Classroom lectures, 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.	Understand the role of the housekeeping department in hotel operations and coordination with other departments.
2.	Learnt to plan different menus, lay tables for different services.

Suggested References:

Sr. No.	References
1.	Singaravelavan ,R. (2011). <i>Food &amp; Beverage Service</i> . (1 <sup>st</sup> ed.). Oxford University Press .
2.	Meti, M.C.(2008). <i>Hotel front office management</i> . Anmol Pub. Pvt. Ltd.
3.	Ridgway, J. (1994). <i>The catering management Handbook</i> . Koganpage Ltd.
4.	Jones, P., & Merricks, P. (1994). <i>The management of food service operations</i> . Cassel. Wellington House.
5	Nathaniel, RS.(1991). <i>Catering management for hotels, restaurants and institutions</i> . Surjeet Publication.
5.	Branson, J., & Lennox, M. (1988). <i>Hotel, hostel and hospital housekeeping</i> .(5 <sup>th</sup> ed.). Elbs with hodder & Stoughlon book.
6.	Branson, C.J . & Lennox, M.(1988). <i>Hotel and hospital housekeeping</i> . (5 <sup>th</sup> ed.). London: Redwood Books, Trowbridge Wilsnire.
7.	Jones, P. (1983). <i>Food service operations</i> . Cassell Wellington House.





8.	Andrews, S. (1978). <i>Hotel housekeeping training manual</i> . New Delhi :Tata McGraw Hill publication Co. Ltd.
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On-line resources to be used if available as reference material
On-line Resources
<a href="http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=24">http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=24</a>

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN54	Title of the Course	Textile Science
Total Credits of the Course	04	Hours per Week	04

Course Objective:	The course aims to deliver preliminary understanding of fabric components, its testing, dyeing, printing and laundry along with touching upon recent developments
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Course Content		
Unit	Description	Weightage* (%)
1.	(a) Fiber: Introduction, Fundamental concepts of fiber polymers, Classification of fibers (b) Processing sequence, physical and chemical properties of natural fibers: cotton, jute, wool, silk (c) Processing sequence, physical and chemical properties of man-made fibers : Regenerated (Viscose Rayon), Synthetic (Nylon, Polyester, Acrylic)	15
2.	(a) Yarn: Twist, Types (b) Fabric constructions: Woven, Knitted, Non woven (c) Loom and loom mechanics: introduction, brief description of basic loom (d) Woven design fundamentals: introduction, classification (simple and compound structures) (e) Weaves: plain and its variations, twill and its variations, satin and sateen weave	15
3.	Textile testing and quality control: (a) Need for textile testing, standard conditions for testing (b) Fiber testing: fineness, length (c) Yarn testing: Types of yarns, Linear Density, Direction of Twist, Measurement of Twist (d) Fabric testing: Count, Weight per unit area (GSM), Width, Skewness, Stiffness, Crease Recovery, Shrinkage, Pilling	25
4.	(a) Dyes : classification, general properties, simple equipments used for dyeing, theories of dyeing, properties and application methods for common dyes( acid, basic, direct, azoic, disperse, mordant, reactive, vat) (b) Printing: Styles(direct, discharge, resist), General steps for	25





	preparation of fabric, Methods (stencil, block, screen, roller, transfer)	
5.	Laundry work :Soaps and Detergents, Action of soap in cleaning, Other laundry reagents (stiffeners, blues, bleaches, grease removers), Stain removal (ink, curry, grass, lipstick, nail paint, grease, tea, coffee, fruit, butter, iron rust)	10
6.	Recent Developments: Nano textiles, Technical Textiles	10

Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Discussion on recent updates with examples	
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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 basics of textiles, textile testing, dyeing and printing
2.	Have enhanced knowledge regarding laundry science
3.	Have improved basic knowledge regarding recent developments in the area of textiles





Suggested References:	
Sr. No.	References
1.	Wynne, A. (1997). <i>The motivate series- Textiles</i> . London: Macmillan
2.	Yadav, S. (1997). <i>Textbook of textile and laundry</i> . New Delhi: Anmol Publishers Pvt. Ltd.
3.	Dantyagi, S. (1987). <i>Fundamentals of textiles and their care</i> . New Delhi: Orient Longman.
4.	Gohi, E.P.G. and Vilensky, L.D. (1983). <i>Textile science- An explanation of fibre properties</i> , Delhi: CBS Publishers.
5.	Gokarneshan, N. (2006). <i>Fabric structure and design</i> . New Delhi: New Age International.
6.	Swami, C. (2009). <i>Textile Design- Theory and concepts</i> . New Delhi: New Age International Publishers.
7.	Rastogi, M. (2009). <i>Textile and laundry</i> . New Delhi: Sonali Publication.
8.	Singh, K.V.P. (2015). <i>Introduction to textiles</i> . Ludhiana: Kalyani Publishers.
9.	Corbman, P.B. (1989). <i>Textiles: Fibre to fabric</i> . (4 <sup>th</sup> ed.) New York: Mc Gaw Hill.
10.	Asian Journal of Home Science, Hind Institute of Science and Technology

On-line resources to be used if available as reference material
On-line Resources
Indian Journal of Fibre and textile research, Web of Science
Clothing and Textiles Research journal, Web of Science
<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827</a>
<a href="https://www.sciencedirect.com/bookseries/textile-science-and-technology/vol/11/suppl/C">https://www.sciencedirect.com/bookseries/textile-science-and-technology/vol/11/suppl/C</a>
<a href="https://textilestudycenter.com/library/">https://textilestudycenter.com/library/</a>







**SARDAR PATEL UNIVERSITY**  
**Vallabh Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))**  
**Syllabus with effect from the Academic Year 2021-2022**

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN55	Title of the Course	Practical - Textile Analysis and Design
Total Credits of the Course	02	Hours per Week	04

Course Objective:	The course aims to facilitate understanding of textile testing and design
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Course Content		
Unit	Description	Weightage* (%)
1.	Fibre identification tests Microscopic, burning and solubility for cotton, jute, wool, silk, nylon, polyester, acrylic	10
2.	Yarn testing; Tex, Denier, Cotton count, Diameter, Direction of twist, Twist per inch	10
3.	Fabric testing: Weave identification, Fabric count, Weight per unit area, Width of fabric, grain line and skewness, Shrinkage, Stiffness, Crease recovery	25
4.	Plain, twill and satin weaving and graphical presentation	10
5.	Dyeing with direct, basic and acid dyes	10
6.	Designing of samples: Tie-and-dye, Batik, Stencil printing, Block printing	15
7.	Collection of fabric samples showing different textile designing techniques: printing, dyeing, weaving, knitting, fancy yarns, trimmings (sequins, beads etc.) ( self learning activity)	10
8.	Stain removal test for ink, curry, grass, lipstick, nail polish, grease, tea, coffee, fruit, butter, iron rust	10





Teaching-Learning Methodology	Classroom explanation (Black board), demonstration and than actual performance by students, discussion of results
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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.	Identify fibres, evaluate yarns and fabrics for their physical properties.
2.	Gain enhanced creativity in textile design.

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN56	Title of the Course	Theories and Concepts in Resource Management
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To help students in learning various concepts of resource management.</li><li>2. To help students learn the basic process of management.</li></ol>
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Course Content		
Unit	Description	Weightage * (%)
1.	Introduction to Management: Concept of management, Definition, Importance, Theories & Approaches of management, Management process- planning- types & importance, Controlling- sub steps in controlling, Evaluation- types.	20
2.	Management of Resources: Definition and its importance of resources, Characteristics of resources, Role of resources in management, Factors affecting the use of resources, Guidelines to increase satisfaction through appropriate use of resources, Types of resources- Human resources and Non-human resources.	20
3.	Factors Motivating Resource Management: Values- Definitions, classification, conflict evidence of values, Goals- Definitions, classification, conflict evidence of goals, Standards- Definitions, classification and Decision Making- Definitions, importance, types, process of decision making, methods of resolving conflicts.	15
4.	Time Management: Meaning and need of time management, Tools in time management- Time cost, Time norms, Peak loads and Work curve and rest period.	15
5.	Energy Management: Meaning and need of energy management, Fatigue: Definition, types and methods to reduce fatigue and Work simplification: Definition, Mundel's classes of changes.	10
6.	Money Management: Income- Definition, Types and their sources: Money income, Real income, Psychic income, Income management-meaning, importance & process of budget making, Expenditure- Definition, Factors Affecting Expenditure and Savings & investment-Definition, meaning, Types &	20





	importance.	
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Teaching-Learning Methodology	Power point Presentation, Classroom lectures, 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.	Learn, understand and practice for wise use of money.
2.	Understand concepts, principles and functions of management.

Suggested References:	
Sr. No.	References
1.	Varghese & Ogale (1957). <i>Home management</i> . New Age International(P)Ltd.
2.	Bhargava, B. (2003). <i>Family resource management and Interior decoration</i> . Uni Book House Pvt. Ltd.
3.	Gandotra & Shukul . <i>Home management &amp; family finance</i> . New Delhi: Dominant Publisher & Distributor.
4.	Thakkar & Pujara, <i>Introduction to Home management</i> (Gujarati). Rajkot: Praveen Pustak Bhandar.





5.	Nickell & Dorsey (2002). <i>Management in family living</i> , CBS Publishers & Distributors Pvt. Ltd.
6.	Seetharaman, P. <i>An Introduction to family resource management</i> , CBS Pub. & Distributors.

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

On-line Resources

<http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=24>

<http://ecoursesonline.iasri.res.in/course/view.php?id=218>

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (III)

Course Code	PH03CGEN57	Title of the Course	Practical – Management of Family Resources
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To understand the importance of budget in day to day life.</li><li>2. To introduce students to the role of long term and short term goals of family.</li></ol>
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Course Content		
Unit	Description	Weightage * (%)
1	Plan family budget for the major event.	20
2	Survey of five families for understanding their savings & investments.	20
3	Decision making- Identify a problem & solve it by using steps in decision making.	20
4	Case studies/ short studies- Identify values and goals.	10
5	Listing out human and non – human resources, listing community resources.	10
6	Application of management process to organize an event – planning, organization, evaluation.	10
7	Calculate Energy cost of selected activities using heat rate monitor.	10

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify human and non-human resources for efficient management of the family .
2.	Develop skills to draw a budget within the available income and to maintain accounts.





Teaching-Learning Methodology	Class discussion led by teacher & students and then actual performance by students.
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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%

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (IV)

Course Code	PH03CGEN58	Title of the Course	Seminar
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	1. To provide exposure to better understand advancements in the field of Home Science and to promote self-learning and gaining confidence in presentations.
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Course Content		
Unit	Description	Weightage* (%)
1.	Each student will select two topics related to any area of Home Science	25
2	Each student will review research papers related to the selected topic and will make a presentation.	75

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Continuous Assessment in the form of seminar presentations and attendance (As per CBCS R.6.8.3)	100%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Develop understanding of advancements in the field of Home Science.
2.	Prepare and deliver effective presentations.





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((Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (III)

Course Code	PH03EGEN51	Title of the Course	Nutrition during Life Cycle
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To understand the factors affecting meal planning</li><li>2. To be familiar with nutritional need at different stages of life.</li><li>3. To understand causes, physiological changes and dietary modification for various disease conditions.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Nutrition requirement during infancy : Growth and physiological development during infancy, nutritional requirements of infants, composition and importance of colostrums and breastfeeding, composition of artificial feeding, types of complementary foods	15
2.	Nutrition requirement during childhood and adolescence (a) Childhood: Physiological changes, nutritional requirements and food choices, , points to be considered while planning meal for children (preschoolers and school going children), packed lunch, common nutritional disorders during childhood, nutritional recommendation to overcome nutritional disorders  (b) Adolescence: Physiological changes, nutritional requirements, and food choices, points to be considered while planning meal for adolescents, common nutritional disorders during adolescence, nutritional recommendation to overcome nutritional disorders	20
3.	Nutritional requirement during adulthood and special physiological groups in females (a) Adulthood: RDA, points to be considered while planning meal, importance of balanced diet, dietary modifications for adults with diseases.  (b) Menopause: stages of menopause, physiological changes, common problems in menopause, nutritional requirement, special foods for menopausal females, points to be considered while planning meal for menopausal female	25





4.	Nutritional requirement during special physiological groups in females (a) Pregnancy: Physiological changes, common problems during pregnancy, nutritional requirement, food choices during pregnancy, points to be considered while planning meal for pregnant female (b) Lactation: Physiological changes, common problems during lactation, nutritional requirement, points to be considered while planning meal for lactating mother	25
5.	Geriatric Nutrition: Physiological changes in old age, nutritional requirements, dietary changes during old age, dietary modifications for elderly with diseases	15

Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Group discussion, Discussion with suitable examples.
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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.	Apply knowledge related to balanced meal and other factors affecting the meal planning.
2.	Understand the importance different nutritional need at different stages of life.

Suggested References:	
Sr. No.	References
1.	Srilakshmi, B. (2012). <i>Dietetics</i> . (6 <sup>th</sup> ed.). New Age International Publishers





2.	Srilakshmi, B. (2006). <i>Nutrition Science</i> . New Age International Publishers
3.	Mudambi, S. R. (2007). <i>Fundamentals of foods, nutrition and diet therapy</i> . New Age International.
4.	Khetarpaul, N., Katyal, S. & Grover, I. (2009). <i>Infant health and nutrition</i> . (1 <sup>st</sup> ed.). Agrotech Publishing Academy.
4.	Mahan, L. K., & Raymond, J. L. (2016). <i>Krause's food &amp; the nutrition care process</i> . Elsevier Health Sciences.
5.	Schlenker, E.D. and Gilbert, J. (2015) <i>William's essentials of nutrition and diet therapy</i> , 11 <sup>th</sup> Edition, Elsevier Inc.
6.	Roth, R. A. (2013). <i>Nutrition &amp; diet therapy</i> . Cengage Learning.
On-line resources to be used if available as reference material	
On-line Resources	
Kompass Nutrition & Dietetics, Kargers Publishers	
The Journal of nutrition, health & aging, Springer Nature	
<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=444">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=444</a>	
<a href="https://www.nin.res.in/">https://www.nin.res.in/</a>	

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (III)

Course Code	PH03EGEN52	Title of the Course	Food Safety
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To understand the importance of quality and safety of foods</li><li>2. To know the various preservation methods as well as to understand importance of sanitation and hygiene to prevent food spoilage</li><li>3. To be familiar with various food laws</li><li>4. To gain knowledge regarding different types of food adulteration and their detection methods</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	(a) Introduction to sanitation and hygiene : Introduction to food safety, sanitation, hygiene, types of hazards ( physical, chemical, biological)  (b) Personal hygiene of food handler :Importance of personal hygiene, Personal hygiene practices as per FSSA, Personal habits of food handler	20
2.	Microbiological spoilage of food : Types of microorganisms, Contamination of foods, sources of contamination, Food borne illnesses	15
3.	Sanitation and safety of food :Sanitation ,Cleaning and sanitizing methods for kitchen premises, different types of cleaning and sanitizing agents, other safety measures in kitchen, Storage and disposal of waste	15
4.	Handling and storage of food commodities :Classification of foods as per perishability, Points to be considered while receiving food commodities, Preprocessing of food for storage, Different techniques of storage of food, Fifo concept in utility of food	25
5.	Food standards: FSSAI, Agmark, ISO, Codex	15
6	Food adulteration : Introduction, types, adverse effects of food adulteration on health,Different types of adulteration in food and method of detection	10





Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Group discussion, Discussion with suitable examples.
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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 identify different hazards in food.
2.	Role of microorganism and steps to prevent microbial contamination.
3.	Apply the knowledge of sanitation methods and cleaning agents.
4.	Gain the knowledge about different food safety regulations and laws

Suggested References:	
Sr. No.	References
1.	Roday, S. (1998). <i>Food hygiene and sanitation</i> . Tata McGraw-Hill Education.
2.	Frazier, W. C. (2013). <i>Food microbiology</i> . Tata McGraw-Hill Education
3.	Hough, T. (2008). <i>Elements of hygiene and sanitation</i> . BiblioBazaar, LLC.
On-line resources to be used if available as reference material	
On-line Resources	
Food Quality and Safety, Oxford University Press	





<https://www.fssai.gov.in/>

<https://old.fssai.gov.in/Codexindia/index.htm>

<https://www.iso.org/home.html>

<https://agmarknet.gov.in/>

<https://dmi.gov.in/GradesStandard.aspx>

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=444>

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN51	Title of the Course	Community Nutrition
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To learn the causes, consequences and prevention of malnutrition.</li><li>2. To gain in – depth knowledge on various government programmes and schemes for improving the health and nutritional status of community.</li><li>3. To gain knowledge on various methods of nutritional assessment of community.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Prevalence of malnutrition in India: Ecology environment and socio - economic factors, resources of the family, family size and composition, dietary practices including gender differences food habits, food consumption patterns, customs and prejudices, ignorance, food losses, synergism of nutrition and infection.	25
2.	Vital statistics: life expectancy, crude death rate, birth rate, infant mortality, toddler mortality, maternal and infant mortality rate in India and their causes	20
3.	Assessment of Nutritional status: (a) Anthropometry: Various anthropometric parameters, Methods, tools, importance, interpretation, Concept of WAZ, HAZ, WHZ, (b) Biochemical assessment: Significance in assessment of nutritional deficiencies (PCM, anemia, Vitamin-A deficiency disease, Iodine deficiency, etc.) (c) Clinical examination: Significance in assessment of various nutritional deficiencies (PCM, anemia, Vitamin-A deficiency disease, Iodine deficiency, etc.) (d) Dietary Assessment: Various methods of diet surveys, advantages and dis- advantages of each method	30
4.	Contribution of international, national and state level agencies and programmes for improving nutritional status of community : WHO, UNICEF, ICDS and its set up, ICMR, ICAR, NIN, INCC, Prophylaxis programmes Mid day meal programme, NIPI, KSY, JSY, Mobile anganwadi centre, Demonstrative feeding, Doodh sanjeevani	25





	yojana, etc.	
Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Discussion with suitable examples, Group discussion	

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 about various methods to assess the nutritional status of community.
2.	Describe about the major deficiency diseases prevalent in community and ways to combat them.
3.	Describe about various national and international agencies working for improving the nutritional status of the community.

Suggested References:	
Sr. No.	References
1.	Das, S. (2016). <i>Textbook of community nutrition</i> . Academic Publishers
2.	Park, K. (2007). <i>Park's textbook of preventive and social medicine</i> , Banarsidas, Bhanot Publishers
3.	Jelliffe, D. B. (1966). <i>The assessment of the nutritional status of the community</i> , World Health Organization.





4.	Bamji, M.S., Rao, N.P., Reddy V. Eds. (2009). <i>Textbook of human nutrition</i> . 3rd Edition. Oxford and IBH Publishing Co. Pvt. Ltd
5.	Khetarpaul, N., Katyal, S. & Grover, I. (2009). <i>Infant health and nutrition</i> . (1 <sup>st</sup> ed.). Agrotech Publishing Academy.
On-line resources to be used if available as reference material	
On-line Resources	
Public health nutrition: Cambridge University press available at <a href="https://www.cambridge.org/core/journals/public-health-nutrition">https://www.cambridge.org/core/journals/public-health-nutrition</a>	
Journal of public health nutrition: Allied academics available at <a href="https://www.alliedacademies.org/public-health-nutrition/">https://www.alliedacademies.org/public-health-nutrition/</a>	
Nutrition and Public Health: MDPI available at <a href="https://www.mdpi.com/journal/nutrients/sections/Nutrition_Public_Health">https://www.mdpi.com/journal/nutrients/sections/Nutrition_Public_Health</a>	
<a href="http://icds-wcd.nic.in">http://icds-wcd.nic.in</a>	
<a href="https://wcd.nic.in">https://wcd.nic.in</a>	
<a href="https://www.who.int">https://www.who.int</a>	
<a href="https://wcd.gujarat.gov.in">https://wcd.gujarat.gov.in</a>	
<a href="https://icar.org.in">https://icar.org.in</a>	
<a href="https://www.nin.res.in">https://www.nin.res.in</a>	
<a href="https://www.unicef.org">https://www.unicef.org</a>	
<a href="https://motherchildnutrition.org">https://motherchildnutrition.org</a>	

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN52	Title of the Course	Practical – Community Nutrition
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To learn to plan and prepare low cost nutritious recipes for various deficiency diseases</li><li>2. To prepare and execute nutrition and health education programme</li><li>3. To understand the activities conducted and records maintained by Anganwadi centres</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1	Preparation of low cost nutritious recipes rich in calories, protein, calcium, iron, Beta carotene etc.	25
2	Demonstration of above recipe in the community	15
3	Dietary survey of reproductive age females	15
4	Planning, conducting and evaluating nutrition education programmes : (a) Charts/posters (b) Flash cards	15
5	Preparation and executing the nutrition education programmes: (a) Radio talk (b) Role play	15
6	Visit to Anganwadi centres and reporting of various activities done by the centre and records maintained by Anganwadi workers	15

Teaching-Learning Methodology	Planning and preparation of activities, execution of activities by students, discussion.
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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, 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.	Plan and prepare nutritious recipes for various deficiency diseases.
2.	Plan and execute nutrition and health awareness programmes.
3.	Understand the role and responsibilities of Anganwadi workers.

Suggested References:	
Sr. No.	References
1.	DAS, S. (2016). <i>Textbook of community nutrition</i> . Academic Publishers.
2.	Longvah, T., Anantan, I., Bhaskarachary, K., Venkaiah, K., & Longvah, T. (2017). <i>Indian food composition tables</i> . Hyderabad: National Institute of Nutrition, Indian Council of Medical Research.

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN53	Title of the Course	Fashion Merchandising
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 world of fashion: design development and retailing</li><li>2. To acquaint students with techniques used for fashion promotion</li><li>3. To acquaint students with various career opportunities in the field of fashion</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Fundamentals of Fashion: Important terminology, Fashion cycle, Principles of fashion, Theories of fashion adoption, Origin of fashion, Prediction of fashion, Movement of fashion, Factors influencing fashion: accelerating and retarding	20
2.	Design Development: Objectives, Developing Design, Making first pattern, Making sample garment, Determining cost estimates, Style selection, Presenting and reviewing the line, Selecting style for the line, Determining final cost, Marketing	20
3.	Fashion Retailing: Past and present of fashion retailing, Diversity in fashion retailing today(departmental stores, apparel speciality stores, chain store retailing, mail order houses, discounting retailers, designers/manufacturers into franchised retailing, shopping centres and other types of retail formats)	20
4.	Fashion Promotion and Branding : Visual Merchandising (shows, events, displays), Brand Name and Trade Mark, Packaging, Product life cycle of certain products	20
5.	Fashion Accessories :Shoes, Hosiery, Handbags, Jewellery, Intimate Apparel	10
6.	Career Guidelines: Assistant designer, Junior designer, Free lance Illustrator, Sketcher, Sketching Assistant, Cutting Assistant.	10





Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Discussion on recent updates with examples
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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.	Improved knowledge about the fashion world and the details of how a design becomes fashion.

Suggested References:	
Sr. No.	References
1.	Sarkar, S. (2010). <i>Fashion pattern and dress design</i> . New Delhi: Arise Publishers and Distributors.
2.	Frings, S.G. (2005). <i>Fashion from concept to consumer</i> . Delhi: Pearson Education.
3.	Burns, D.L. and Bryant, N.O. (2002). <i>The Business of fashion- Designing, manufacturing and marketing</i> . New York: Fairchild Publication.
4.	Easey, M. (2005). <i>Fashion marketing</i> . New Delhi: Om Book Service.
5.	Solomon, M.R. and Rabolt, N.J. (2004). <i>Consumer behaviour in fashion</i> . New Delhi: Pearson Education.
6.	Jarnow, A.J. (1981). <i>Inside the fashion business- Text and Readings</i> . New York: Macmillan Publishing Company.





7.	Sumathi, G.J. (2005). <i>Elements of fashion and apparel design</i> . New Delhi: New Age International Publishers.
8.	Asian Journal of Home Science, Hind Institute of Science and technology

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

On-line Resources

Clothing and Textiles research Journal, Web of Science

[https://scholar.google.co.in/scholar?q=fashion+retailing+and+visual+merchandising&hl=en&as\\_sdt=0&as\\_vis=1&oi=scholart](https://scholar.google.co.in/scholar?q=fashion+retailing+and+visual+merchandising&hl=en&as_sdt=0&as_vis=1&oi=scholart)

[https://gwgandhinagar.com/econtent/document/15874621032tassco402-%20visual%20merchandising%20\(importance,components,%20rules,%20elements\)%20.pdf](https://gwgandhinagar.com/econtent/document/15874621032tassco402-%20visual%20merchandising%20(importance,components,%20rules,%20elements)%20.pdf)

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN54	Title of the Course	Practical - Fashion Illustration
Total Credits of the Course	02	Hours per Week	04

Course Objective:	To develop creative and technical skills for fashion design and illustration.
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Course Content		
Unit	Description	Weightage* (%)
1.	Basic rendering: Fabric textures with pencil and colour.	10
2.	Concepts of design repeats.	15
3.	Variations in bodice, collars, sleeves, necklines and skirts.	20
4.	Theme based designing (casual wear, night wear and special occasion wear) on action croquis.	25
5.	Designing garments using principles of design and appropriate colour scheme with collection of appropriate fabric swatches ( self learning)	10
6.	Scrap book of dress design for different figure types, occasion, season, age, occupation, activity	20

Teaching-Learning Methodology	Demonstration, actual practical by learners followed by discussion
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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%





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3.	University Examination	70%
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Course Outcomes: Having completed this course, the learner will be able to

1.	Better understand the fundamentals of illustration.
2.	Acquire skills in conceptualization of design and its illustration.

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN55	Title of the Course	Residential Space Planning and Interior Designing
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To learn planning principles for residential spaces &amp; furnishings.</li><li>2. To gain knowledge on concepts, types and use of building materials and selection tactics</li></ol>
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Course Content		
Unit	Description	Weightage * (%)
1.	<p>Concept of space</p> <ol style="list-style-type: none"><li>(a) Concept Need for space.</li><li>(b) Functions of house- protective, economic, emotional, social, recreational, productive, personal space freedom.</li><li>(c) Types of houses: Row, Semi-detached, Hut, Pant house detached, independent houses, flats/apartments, multi-storied buildings.</li><li>(d) Factors influencing choice of housing:<ul style="list-style-type: none"><li>• Family needs</li><li>• Income</li><li>• Space requirement for various activities</li><li>• Family values</li><li>• Availability of housing.</li></ul></li><li>(e) Selection and purchase of site.</li><li>(f) Types of house plans.</li><li>(g) Principles of planning spaces.</li></ol>	25
2.	<p>Designing Interiors</p> <ol style="list-style-type: none"><li>(a) Furniture- Furniture requirement for various room types, Selection: durability, cost, construction, comfort, maintenance, utility, flexibility material.</li><li>(b) Application of color &amp; lighting for interiors.</li><li>(c) Accessories- Classification and role of accessories in interiors.</li></ol>	10
3.	<p>(a) Interior Building Materials and Finishes.</p> <ol style="list-style-type: none"><li>a) Walls: Paints, paper, paneling, glass, mirror, cladding materials and any new innovations.</li><li>b) Floors: Stones, tiles, wood, Vinyl &amp; linoleum, carpets and rugs.</li></ol>	30





	c) Ceilings: Plaster of Paris (POP), aluminum panels, metal strips, wood, acoustic boards, false ceiling.	
4.	(a) Importance of Furnishing: Objectives, History of furnishing in India, Factors influencing furnishing decisions: climatic condition, family preferences, availability in market, and principle of design. (b) Soft Furnishings: Care & Maintenance of soft furnishings. (a) Rugs and Carpets. (b) Curtain & Draperies. (c) Upholsteries.	15
5.	Decoration for special occasions: Flower arrangement- Meaning & Importance, Principles, Types, materials.	10
6.	Housing finance schemes (a) Government (b) Semi government (c) Private	10

Teaching-Learning Methodology	Power point Presentation, Classroom lectures, 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.	Understand the factors influencing choice of housing.
2.	Describe usage and characteristics of building materials and finishes for strength, durability and aesthetics.





Suggested References:

Sr. No.	References
1.	Rangwala, S.C.et.al. (2000). <i>Town planning</i> . Anand : Charotar Publishing House.
2.	Rut,A.H. (1969). <i>Home furnishing</i> . Wiley Eastern Pvt. Ltd.
3.	Arora, S.P., & Bindra, S.P.(1986). <i>Building construction</i> . Dhanpat Rai & Sons.
4.	Punmia, B.C.(1987). <i>Building construction</i> . Laxmi Publication.

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

On-line Resources

<http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=24>

<http://ecoursesonline.iasri.res.in/course/view.php?id=204>

<http://ecoursesonline.iasri.res.in/course/view.php?id=215>

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.-H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN56	Title of the Course	Practical – Residential Space Planning and Interior Designing
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To develop skill to draft house plans for various income groups.</li><li>2. To gain better understanding as regard the history of furniture, space designing for various areas.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1	Learn to draw the different symbols and common terms used in <u>house planning</u> .	10
2	Learn to draw the different types of floor plans.(One room kitchen plan /two room kitchen plan /three room kitchen plan)	30
3	Furniture arrangement in various life spaces.(Living Room / Kitchen / Bed Room)	15
4	Market survey on the different types of furniture / furnishing materials (curtains and draperies)	10
5	Report & presentation of survey	25
6	Floral Craft/Rangolis using various types of materials	10

Course Outcomes: Having completed this course, the learner will be able to	
1.	Draw layouts / plans for various types of rooms.
2.	Developed the skill of floor planning layout with detailing for execution drawing.

Teaching-Learning Methodology	Class discussion led by teacher & students and then actual performing by students.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage





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1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Article evaluation, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04CGEN57	Title of the Course	Community Development-II
Total Credits of the Course	04	Hours per Week	08

Course Objectives:	<ol style="list-style-type: none"><li>1. To provide opportunity to learners to understand problems faced by vulnerable groups.</li><li>2. To gain skills in preparing and executing for programs for upliftment of vulnerable groups.</li></ol>
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Course Content		
Unit	Descriptions	Weightage* (%)
1	Collection of information related to problems faced by vulnerable groups (children, women, pregnant / lactating mothers, infants, elderly, etc.)	20
2	Development of awareness programmes to overcome problems identified in the above practical. Preparation of communication aids useful for small groups and to evaluate their effectiveness: <ol style="list-style-type: none"><li>i. charts</li><li>ii. posters</li><li>iii. flash cards</li></ol>	20
3.	Preparation of simple communication material for community awareness in any selected area of home science <ol style="list-style-type: none"><li>i. Short play</li><li>ii. Story</li></ol>	20
4.	Preparation of informative tools for mass education/awareness <ol style="list-style-type: none"><li>i. display boards</li><li>ii. advertisements</li><li>iii. pamphlets</li></ol>	20
5	Execution of the selected activities in the community	10
6	Report writing of the above activities and its effectiveness	10

**Note:** Evaluation for this course will be based on internal submissions of the above activities and internal practical exam.

Teaching-	Class discussion led by teacher & students and then actual performing by
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Learning Methodology	students, discussion of results.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Continuous Assessment in the form of Practical, Viva-voce, Article Evaluation, Attendance and internal exam (As per CBCS R.6.8.3)	100%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify problems of vulnerable groups.
2.	Develop understanding for formulation of programs for upliftment of vulnerable groups.





(Master of Science –Home Science) (General Home Science)  
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Course Code	PH04CGEN58	Title of the Course	Comprehensive Viva Voce
Total Credits of the Course	01	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none"><li>1. To help students to consolidate knowledge acquired during the course of study.</li><li>2. To provide exposure to face jury and to gain confidence.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	At the end of the semester students will appear for a viva voce based on course content covered in all the theory and practicals of all four semesters.	100

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal viva voce (As per CBCS R.6.8.3)	100%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Gain confidence in facing jury.

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(Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04EGEN51	Title of the Course	Advanced Study in Human Development
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To undertake an advanced study of the stages in human development with special focus on stages from prenatal development to adolescence</li><li>2. To understand the principles and factors influencing human development in these stages.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1	Principles and Concept of Development : (a) Principles of growth and development. (b) Developmental tasks (c) Basic concepts of development – maturation and learning, sensitive periods, individual differences, nature- nurture issue. (d) Secular trend in growth	15
2	Prenatal development: (a) Recapitulation of stages in prenatal development, genetic and environmental factors: maternal conditions and teratogens. (b) Significance of the genome project for understanding human development. (c) Importance of Indian practices during pregnancy	15
3	Infancy: (a) The newborn: birth process and the neonate. Physical description, sensory capacities and reflexes. Becoming coordinated - feeding, sleeping, crying. (b) Imitation, object permanence and other cognitive accomplishments. (c) Early language development. (d) Social relationships during infancy (e) The cultural experience of being an infant	15
4	Childhood : (a) Early Childhood (2-6 years): Transition from infancy to childhood, Physical and motor development, Early socialization, parenting and cultural processes.	15





	(b) Middle childhood (7-11 years): Physical and motor development: changes and challenges, Sense of industry and personality development, Cognitive, moral and language development, Social relationships - peers, siblings and parents, The experience of schooling - academic achievement	
5	Adolescence : Transition from childhood to sexual maturity - puberty and its consequences, Emotional changes, Development of Formal operations - Adolescent thought. Integration of the self -issues of identity, Role of family, peers, community and ethnic group, Moral reasoning and judgement, Health, sexuality, mental health, delinquency , conformity, Guidance need of individual and families	20
6	Adulthood and Old age: (a) Adulthood: Stages of adulthood, Physical, social, psychological changes in adulthood, Life cycle approach including sexuality, marriage, marital adjustment, parenthood, Personality development, role in family, Inter generation relationships, Maintaining family relationships, Friendships, health and disease (b) Old age: Old age (65+ years): Physical aspects of ageing, change in cognitive abilities and creativity, retirement from formal work, psychosocial changes, changes in family life cycle, social adjustment, health and disease	20

Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Group discussion, Discussion with suitable examples
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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, 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 understand

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|----|---|
| 1. | Principles and pattern of development.  |
| 2. | Various areas of Human Development with special reference to stages from prenatal development to old age. |
| 3. | The factors that influence human development.   |

Suggested References:

Sr. No.	References
1.	Hurlock, E.B. (2010). <i>Child development</i> . (6 <sup>th</sup> ed.). Tata McGraw Hill Publishers
2.	Papalia, D.E., Old, S.W., Feldman, R.D. (2006). <i>Human development</i> (9 <sup>th</sup> ed.) Tata Mc Graw Hill Publishers
3.	Hopkins, B., Geangu, E., & Linkenauer, S. (Eds.). (2005). <i>The Cambridge encyclopedia of child development</i> . Cambridge University Press.
4.	Payne, V.G. & Isaacs, L.D. (1995). <i>Human motor development: A lifespan approach</i> (3 <sup>rd</sup> ed.). Mayfield Publishing Company.
5.	Berk, L.E. (1996). <i>Child development</i> . (3 <sup>rd</sup> ed.) Prentice Hall, Inc.
6.	Craig, G. J. (1996). <i>Human development</i> . (7 <sup>th</sup> ed.). Prentice Hall, Inc.

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

On-line Resources

Child Development. Wiley Blackwell Publishing

Child and adolescent mental health. Wiley Blackwell Publishing

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>

Learner, R. Concepts and Theories in Human Development available at  
[https://www.researchgate.net/publication/309375797\\_Concepts\\_and\\_Theories\\_in\\_Human\\_Development](https://www.researchgate.net/publication/309375797_Concepts_and_Theories_in_Human_Development)

<http://egyankosh.ac.in/bitstream/123456789/17134/1/Unit-3.pdf>





**SARDAR PATEL UNIVERSITY**  
**Vallabh Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))**  
**Syllabus with effect from the Academic Year 2021-2022**

<http://stvincentpallotticollege.org/image/Drsinha%20-%20english.pdf>

[http://www.wbnsou.ac.in/online\\_services/SLM/BED/SEM-01\\_A1.pdf](http://www.wbnsou.ac.in/online_services/SLM/BED/SEM-01_A1.pdf)

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((Master of Science –Home Science) (General Home Science)  
(M.Sc.- H.Sc.) (General Home Science) Semester (IV)

Course Code	PH04EGEN52	Title of the Course	Care of the Elderly
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none"><li>1. To enable students to become aware and sensitized to issues related to care of the elderly.</li><li>2. To enable students to understand the theoretical perspectives of the aging process.</li><li>3. To develop skills for organizing activities for the elderly.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	Concept and theoretical perspective of aging: (a) Emergence and scope of gerontology and elderly care: Historical perspective, demographic trends in India, Concept of aging and problems: Social, medical, psychological problems, occupational etc. (b) Theoretical perspectives : Disengagement theory, Activity theory, Human development theory, Continuity theory, Age stratification theory, Labeling theory	15
2.	Aging Process : (a) Biological and physiological aspects; Psychological aspects; Social aspects: Social status, retired status, single status, economic status, security, guide and teacher, social adjustment and recognition (b) Spiritual aspects: karma theory and religion (c) Economic aspects.	20
3.	Adjustment Patterns and Changing Lifestyles in Old Age (a) Family patterns in later life: Changing roles and the aging family; Conjugal: Husband-Wife relations in old age; Sexual adjustment (b) Retirement years and marital adjustment (c) Intergenerational family relations; Grand parenthood; Widowhood/singlehood; Alternative lifestyle; Second marriage in the later life.	20
4.	Work, leisure and retirement patterns: (a) Work - Meaning of work, individual motivation; Leisure;	15





	Retirement - benefits, freedom of retirees, fear change in personal and social life, problems like - sense of loss, women retirees, awareness, use of authority, social worth (b) Attitude towards retirement: Poverty, poor health, retirement and suicide, abandonment, liberation and diachronic solidarity	
5.	Death Dying and Bereavement: Impact of death on society; Attitude towards death; Denial and thoughts of death; bereavement, grief and social setting.	15
6.	Services and programs for the Aged : Categories of services: Housing, health, leisure time activities; institution for the aged day care centres; economic programmes; Re-engagement (after retirement); Retirement pension, death cum retirement gratuity, provident fund, health measures. Insurance scheme, investment & taxation and property	15

Teaching-Learning Methodology	Classroom lectures (Blackboard/Power Point Presentations), Group discussion, Discussion with suitable examples
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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, 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 various aspects of aging
2.	Describe different issues related to elderly people
3.	Apply theoretical knowledge of the subject in extension activities and research.







Suggested References:	
Sr. No.	References
1.	Moody, H.R. (2010). <i>Aging: Concepts and controversies</i> . (6 <sup>th</sup> ed.). Pine Forge Press, An imprint of Sage Publications, Inc.
2.	Rajan, S. I., Mishra, U.S. & Sarma P.S. (2006). <i>India's elderly: Burden or challenge?</i> Sage Publications
3.	Chaterjee, S.C., Patnaik, P. & Chariar, V. M. (2008). <i>Discourses on aging and dying</i> . Sage Publications
4.	Asian Journal of Home Science. Hind Institute of Science and Technology
On-line resources to be used if available as reference material	
On-line Resources	
Journal of Aging Research. Hindawi Publishers. Available at: <a href="https://www.hindawi.com/journals/jar/contents/year/2020/">https://www.hindawi.com/journals/jar/contents/year/2020/</a>	
Geriatric Care. Page Press available at: <a href="https://www.pagepressjournals.org/index.php/gc/issue/view/662">https://www.pagepressjournals.org/index.php/gc/issue/view/662</a>	
Caring for Elderly : Social Gerontology in the Indian Context available at : <a href="https://www.google.co.in/books/edition/Caring_for_the_Elderly/WV4IDAAAQBAJ?hl=en&amp;gbpv=1&amp;dq=care+for+elderly+book&amp;printsec=frontcover">https://www.google.co.in/books/edition/Caring_for_the_Elderly/WV4IDAAAQBAJ?hl=en&amp;gbpv=1&amp;dq=care+for+elderly+book&amp;printsec=frontcover</a>	
Elderly care in India: Societal and State Response available at: <a href="https://www.google.co.in/books/edition/Elderly_Care_in_India/GTYtDgAAQBAJ?hl=en&amp;gbpv=1&amp;dq=care+for+elderly+book&amp;printsec=frontcover">https://www.google.co.in/books/edition/Elderly_Care_in_India/GTYtDgAAQBAJ?hl=en&amp;gbpv=1&amp;dq=care+for+elderly+book&amp;printsec=frontcover</a>	

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**SARDAR PATEL UNIVERSITY  
VALLABH VIDYANAGAR**

**Programme outcome:**

The programme outcome of M.Sc. (Home Science) is to instill professional, practical and entrepreneurship skills for improvement in the quality of life of family and community.

**SARDAR PATEL UNIVERSITY  
VALLABH VIDYANAGAR**

**Course specific outcome (General Home Science):**

- The programme provides knowledge to understand various approaches to family and community care.
- To acquaint the students with the basic knowledge related to Foods and Nutrition, Human Development, Textiles and Clothing, Family Resource Management and Extension through theoretical and practical skills.
- To familiarize the students with government programs and schemes related to the welfare of family and community.
- To impart field work experience to identify problems and their probable solutions related to community.
- To train the students to take up jobs in nutrition related state, national and international health and welfare programmes.
- To acquire skills to undertake systematic and independent research in various areas of Home Science.