

Program: B.Sc. Home Science				
	PO Code	Program Outcomes		
	PO1	Gain an interdisciplinary perspective through the varied courses within the different areas of Home Science.		
	PO2	Application of acquired knowledge to interrelate and blend the subjects of Home Science.		
	PO3	Develop and practice the skills to oneself and the community to enhance the quality of life.		
	PO4	Implement science and technologies towards social and economic empowerment through entrepreneurial skills.		
	PO5	Meet challenges in the global context through a blend of		

		academics, research, training and extension and industrial applications.		
	PO6	To enhance aspects of lives in rural areas within the framework of the national development policies and people's need for development.		
Semester	CourseCode	CourseName	COCode	Course Outcomes
I	HS1IEE	Introduction to Extension Education	CO1	The student gains knowledge about the various aspects of Extension Education and they become familiar with the concept of Home Science and its contribution towards the societal development
			CO2	The student will be able to analyze the relationship between Teaching and Learning and The student will be able to appreciate the effective use of leadership Styles and skills during field training.
			CO3	The student realizes the importance of Extension Approaches in community service and The student learns the impact of using AV aids in extension teaching.
			CO4	The student will be able to connect the similarities in the diffusion and adoption processes and They become aware of the innovative decision element
			CO5	Students will understand the different support structures and organisational functioning and They build on the scope for community development through these sectors.
	HS1BTT	Basics of Textile Technology	CO1	The student gains knowledge about various textile fibres, how they are processed and about their properties and student becomes familiar of recent trends in fibres

			CO2	The student gains knowledge about yarn construction and will be able to identify types of yarns, gains competence at calculating yarn size
			CO3	The student gains knowledge about parts and motions of a basic loom, familiarized with types of looms and will be able to analyze fabric construction
			CO4	Student gains knowledge of stain removal, methods of laundering fabrics and caring for textiles.
			CO5	Student will be able to test basic properties of textile fibers, yarns and fabrics.
II	HS2BP	Basics of Psychology	CO1	Expose students to different perspectives and branches of psychology.
			CO2	Understand basic memory process and types of learning.
			CO3	Understand the basic concepts of higher cognitive processes like thinking, reasoning, creativity and intelligence.
			CO4	Awareness of the range of human motives and emotions.
			CO5	Teach the different approaches and dynamics of personality.
			CO6	Introduce students to psychological testing by demonstrating various memory , creativity and intelligence tests.
	HS2EPM	Essentials of Physiology and Microbiology	CO1	Gain basic knowledge about physiology of cells and tissues and able to get an overview of skeletal system, respiratory system, nervous system ;Study the microbes in relation to food spoilage, food-borne diseases .
			CO2	Able to understand the structure and functions of heart ,blood, cardiac cycle, blood clotting process, blood pressure regulation and able to identify the structure and function of the various organs of the GI tract, digestion and absorption of food and role of enzymes and hormones associated with and also to understand the Cultivation , Nutritional requirement, factors affecting the growth of microorganisms ; fundamental control of microbes using physical, chemical and biological agents

			CO3	Acquire broad knowledge about the structure and functions of the kidney, urine formation – role of kidney in homeostasis and also able to understand the diseases associated with the system , focus on the food hazards of microbial origin ; identify some of the food infections, food borne diseases, food borne intoxications etc and also an insight on how to investigate and report a food borne disease
			CO4	Students learns about location and function of different glands of human body and able to understand the nutritional disorders associated with glanda and understand the importance of microbes in food industry ;Students are able to comprehend various fermented food preparations , role of microbes in Industry such as lactic acid production, vinegar, Enzymes, Amino acids, citric acid, Antibiotics and Bacteriocins
	HS2IRM	Introduction to Resource Management	CO1	The student will be able to identify and prioritize individual values and goals and to relate the importance of goals and standards in personal life
			CO2	The students describe the bi-directional relationship between resources and family functioning and can make use of the knowledge to conserve the resources effectively on family and community.
			CO3	The student will be able to develop the ability to evaluate the managerial efficiency and effectiveness in the family and the organization and also to make decisions by choosing from the possible alternatives and examine the elements of effective implementation and evaluation of decisions by families.
			CO4	The student can improve time management skills which will help in planning one’s work effectively and to assess real life situations of families as well as evaluate outcomes of effective time management on individual and familial well-being.
			CO5	The student will be able to assess the actual energy expenditure during work and can simplify the work for the effective utilization of energy. and thereby can simplify work and increase efficiency of work through proper postures and other energy managerial process.

			CO6	The student can apply anthropometric ergonomics in studying work areas and will be exposed to ergonomically efficient furniture designs and work space and will be able to develop the skill to design and construct furniture for office, factory and home based on ergonomics guidelines
III	HS3BDA	Basics of Design Applications	CO1	The student will utilize the knowledge of concepts of design to exhibit a variety of simple designs and can assess the merits of a freethinking and will develop the skill of creativity.
			CO2	The student will get exposed to meaning and importance of elements of design and integrate it in creative design concepts.
			CO3	The student will get knowledge about color theories and its applications which will help them to develop an innate understanding of visual art concepts and also the student will understand the color wheel and color schemes and will get practical exposure in mixing colors and its application • The student also get exposed to role of colors on human psychology and be able to illustrate the characteristics of an aesthetically pleasing design by making use of the knowledge of coloring dynamics
			CO4	The student will get to know the principles of design and be able to rephrase design compositions and develop presentation skills. and will also be able to demonstrate competency in the use of design fundamentals as principal tools in establishing design criteria and developing the overall design process.
			CO5	The student will get exposed to basics of drawing and also to two dimensional and three dimensional drawings, the fundamentals of free-hand sketching and analyse the universality of design principles and elements. • Explain and foster the interrelationships between interior design and other art, design and built environment fields.
	HS3BN	Basic Nutrition and Nutrition During Life Cycle	CO1	Enable the students to gain knowledge on the nutrition and health and understand the different dimensions of health and also able to apply the knowledge acquired on food groups to analyse the food they consume and the community

			CO2	Gains knowledge on the basics of energy requirement calculation and Understand the formulation of Recommended Dietary Allowance (RDA) which would be practically applied in planning and calculating the diets
			CO3	Able to learn and identify the macro and micro nutrients in the food and gain insight on the functions, RDA, sources, deficiencies and excess and helps the Students appreciate the requirement, functions and water balance, knowledge on phytonutrients, antioxidants role in health and disease.
			CO4	Acquire knowledge Physiological stages of pregnancy, complications of pregnancy, effect of nutritional status on pregnancy outcome, nutritional requirements; lactation and also able to understand Nutritional requirements of infants, Composition of human and cow's milk, supplementary food, general principles of feeding infants, knowledge on nutritional requirements, factors influencing food intake of preschool and school going children
			CO5	Gain knowledge on nutritional requirements, situations with special needs of adolescence also able to identify nutrient needs and modifications with different activity level of adults and able to distinguish Process of aging, food and nutritional requirements, Nutritional related problems in old age, degenerative diseases etc
	HS3HD	Human Development -I	CO1	Identify the important processes, periods and issues in development. Explain key concepts of the theoretical approaches to human development.
			CO2	Explain the evolutionary perspective of human development, genes and their influence on development. Recognize ways that heredity and environment interact to produce individual differences in development. Describe the course of prenatal development, the birth process and its hazards.
			CO3	Explain brain changes and longevity over the life span. Relate and compare cognitive behavior with changes in the brain during the different stages in life.
			CO4	Demonstrate and interpret development of sensory, perceptual and motor skills. Analyse the relationship between perception and action.

			CO5	Demonstrate the theories and key concepts. Identify similarities and differences between the developmental approaches.
			CO6	Describe intelligence across the life span.. Discuss development of language from a biological and environmental perspective.
			CO7	Comprehend and distinguish between socio-emotional development. Understand and analyze one's own socio-emotional pattern.
IV	HS4ADF	Applied Rextiles Design and Finishes	CO1	The student gets familiarized about types of dyes and methods of application. The student gains knowledge about styles of dyeing
			CO2	The student will be able to differentiate between dyeing and printing. The student gains knowledge about methods and styles of printing. The student gets familiarized with traditional hand printing techniques
			CO3	The student becomes familiar with various textile finishes.
			CO4	The student becomes familiar with the traditional textiles and costumes of India.
			CO5	The student gains knowledge about traditional embroideries of various states of India.
	HS4Fs	Food Science	CO1	Enable the students to gain knowledge on the properties of Food and Understand the properties in the different food preparations and differentiate the subjective and objective evaluation of food and their application in the testing food quality.
			CO2	Gains knowledge on the structure and composition of cereal grains and understand the processing of cereals and there preprocessed products and also observe and learn the effect of heat, moisture and added substance in the cooking of cereals , the Value addition of foods and the quality improvement through processes like fermentation, sprouting, arching, parboiling etc., the toxic constituents of pulses and the processing methods to improve their digestibility

			CO3	Able to learn and identify the composition and pigments in the fruits and vegetables, practical knowledge on the effect of heat and added substance in the cooking of vegetables also appreciate the different kinds of milk their composition and different products of milk, able to make products using different temperature, methods and addition of other substances , processing of flesh foods, overview of the beverages like coffee, tea and hot beverages
			CO4	Acquire knowledge on the different stages of sugar cookery and their use in industry also able to understand the composition fats and their reactions at different temperatures, appreciates the different methods of preparation with oil and their usage and knowledge on the different types of food additives and their reactions.
			CO5	Gains knowledge on the different methods of cooking with their merits and demerits and able to identify the fast foods and street foods. distinguish the food adulteration with the help of procedures formulated by the food laws and regulations
			CO6	Gain knowledge different types and able to distinguish natural vs. synthetic food additives ,understand the principle and the use of food additives in the food preparation ,Predict the usage of food additives with respect to safety, law and regulations, Can analyze the effect of food additives on health.
	HS4CE	Communication & Extension	CO1	Understanding the process of communication system and its application in effective interaction.
			CO2	Analyzing the relationship between the farmers and the extension communicators.
			CO3	To categorize and adapt feedback processes. To assess and change communications according to its varied classified problems.
			CO4	To discover effective skills in the use of visual aids. To recall and relate varied communication literatur
			CO5	Understanding traditional and modern media. Building on the media for effective learning and information dissemination.

V	HS5 M	Apparel Making - I	CO1	The student learns the factors which influence clothing. • The student becomes competent to make a budget and use computer resources for clothing.
			CO2	The student gains knowledge about patterns, notions and fabrics for clothing. •The student learns to select pattern and use commercial patterns. •The student will be able to use a sewing machine and equipment.
			CO3	The student becomes competent to use hand and machine stitches. The student learns techniques of pressing. •The student gains knowledge about basic garment construction methods.
			CO4	The student will be competent to take body measurements. •The student gains knowledge of figure types and how to highlight and camouflage features
			CO5	The student will learn about fashion cycle, fashion terminology and fashion industry
	HS5HF	Housing and Finishes	CO 1	The student will be able to list and describe needs and functions of housing and also can understand the basics in house planning starting from site selection to house construction and can compile the application of basic rules of space allocation in designing house plan and at work.
			CO 2	The students will be able to understand the different types of interior materials and finishes and apply them on the interior space elements.
			CO 3	The student can model interior spaces with any design shape such as straight, curved, circular, spherical, etc. and illustrate the interior space scene with the natural and/or artificial light and environment and also they will be exposed to different types of finishes available in the market and evaluate them in terms of cost and durability.
			CO 4	The student will learn about the furnishings used in interiors in terms of window treatments, floor coverings and other types of soft furnishings and also will be able to specify furniture fabric and equipment for interiors.
			CO 5	The student will be able to develop space planning using basic furniture layouts along with exposure to different styles of furniture and furniture designs based on anthropometric requirements

			CO 6	Demonstrate competency in color theories, perception, and the psychological and emotional responses to color and light. and also analyze and evaluate the current trend in various accessories used in interior designing in terms of cost, design and utility. Calculate lighting requirements for different functions or tasks, to create emotional impact and brightness contrast for various types of environments.
			CO 7	The student will realize the ecology and ecosystem and will gain knowledge about the importance of landscape gardens, the different plant varieties and their usage. Have a basic knowledge and understanding of landscape construction techniques and apply an understanding of landscape construction principles in the development of a detailed design.
	HS5FSH M	Food Service & Hospitality Management	CO1	Enable the students to differentiate the hotels based on different ways of classification and learn the functions of the different departments of a hotel
			CO2	Able to understand the functioning of the food service and housekeeping department and also able to understand the interdepartmental coordination of the hotel ,learn the duties of the staff under the food service and housekeeping department
			CO3	Learn the art of setting up of a food service establishment and Understand the requirement of the lay out plan and appreciate the use of architectural symbols.
			CO4	Learn the different types of Food service systems and able to distinguish the different types of food service ,Understands the importance of menu planning and appreciates the importance of standardization of recipe and recipe file.
			CO5	Learn the equipments used in the food service establishment and able to identify and understand the working of the equipment according to the need of the establishment and appreciate the importance of sanitation and hygiene in the food service
			CO6	Understand the Use of chemical agents in the process of cleaning and learn the art and science of cleaning.

			CO7	Learn the housekeeping procedures and understand the linen management and laundry and appreciates the importance of the maintenance of records and inventories
	HS5NGO	NGO Management and Social Welfare	CO1	Summarizing the history behind Voluntary work in India.
			CO2	To identify and study the stages in NGO management and To interpret the procedures in documentation.
			CO3	To estimate and evaluate the advocacy of Indian NGOs in the management of criticisms and drawbacks.
			CO4	To get to know the economic importance of various skill development programmes by the government and To apply the best practices in the use of social media and also to develop and determine skills in writing a project proposal. To learn skill development and fund raising.
	HS5RMD	Research Methods and Documentation	CO1	Gain insight to the introduction, Objectives and types of research and able to understand about the motivating factors of research and also the criteria for selection and formulation of research problem
			CO2	Acquire knowledge on different types of data collection: primary and secondary data and able to comprehend more about different tools used for data collection: Observation ,Interview , questionnaire, schedule, Case study method
			CO3	Help to gain knowledge on the importance of sampling, methods like Random, Systematic, Cluster sampling and get an insight on Sample size and its determination, Use of computers in research- use of excel, graph, calculation of mean, median, mode and Processing operations like editing, coding, classification and tabulation
			CO4	Students able to comprehend diagrammatic and graphic representation, types of diagrams used to represent the results; techniques of construction, types of graphs and gain knowledge on the significance and steps of report writing, Understand the need for documentation in project development and techniques associated with it and major softwares used for the purpose.

	HSSECE	Early Childhood Education	CO1	Demonstrate an understanding of the historical development of Early Childhood Education and of the philosophies of major historical figures. 2. Understand national and state curriculum and care policy in the content areas.
			CO2	Observe and examine various teaching practices in the preschool. Describe the value of play and the teacher's role in children's play. Create activity and lesson plans designed to promote physical and motor, cognitive and socio-emotional development. Identify aspects of room arrangement, transition management and teacher child interactions that promote a positive environment.
			CO3	Design and preparation of developmentally appropriate material. Develop a resource pool of individually created learning materials. Plan and implement at least 4 small group activities in the various domains.
			CO4	State the importance of collaboration with parents.. Identify and establish positive and interactive relationships with families.
			CO5	Outline the significance of culture and acceptance as it relates to children with special needs. Explain the importance of inclusion in today's classroom and identify key characteristics of inclusive education.
VI	HS6AM	Apparel Making - II	CO1	The student gains competence about basic garment construction methods
			CO2	The student realizes the importance and the methods of redesigning, repairing and recycling. The student will be able to evaluate the needs of family and friends to select clothing for them.
			CO3	The student will be able to draft basic garments. The students will be able to do garment costing and calculate fabric consumption.
			CO4	The student gains knowledge about various departments, their functioning and equipment required for each department. The student gets familiarized with documentation and reporting system in a garment manufacturing unit.
			CO5	The student gains knowledge about the role and responsibilities of a merchandiser in the garment industry.

	HS6EBC	Biochemistry	CO1	Understand the importance of biochemistry in living organisms.
			CO2	Categorize enzymes based on their action and understand the kinetic parameters of enzymatic reactions. Interpret the biological roles of diverse hormones and to study their mode of action.
			CO3	Outline and exemplify the classification, reactions, properties and biological significance of proteins. Explain and understand the chemical structure, reactions, properties, function and use of broad range of food carbohydrates Contrast the structure of fats, phospholipids, steroids and explain various properties of the above macromolecules.
			CO4	Illustrate the coenzyme function of water soluble vitamins and select appropriate methods to control harmful effects of synthetic vitamins. Explain the various components of nucleic acids, illustrate the structure of DNA & RNA and relate its role in biological systems.
			CO5	Outline metabolisms of carbohydrates, proteins and fatty acids. Develop a sound knowledge in biological oxidation mechanisms in living systems. Gain an insight into the transfer of genetic information from nucleic acids to proteins.
	HS6D	Dietetics	CO1	•Gain insight to Concepts of Diet Therapy, Principles of diet therapy, Nutritional Assessment (ABCD) and Modification of normal diet for therapeutic purposes and also able to learn different feeding techniques used in clinical context
			CO2	Acquire knowledge on the etiology ,signs and symptoms ,complications and dietary management of obesity and underweight and also classification of fevers, Metabolic changes in fever, General Dietary Considerations and dietary management in vector borne diseases Typhoid, Tuberculosis, Malaria ;also Students able to comprehend etiology, complications and dietary management of some of the common intestinal disorders

			CO3	Help to gain knowledge on agents causing liver damage. stages of damage and also Students learns etiology, symptoms, dietary management of Jaundice, Cirrhosis, Hepatic Encephalopathy, Cholecystitis and Cholelithiasis and also understand the effects, risk factors, role of fat in development, Dietary management of Atherosclerosis and also Student can differentiate Pathogenesis, Causes, Types, Dietary management of Hypertension from Myocardial Infarction
			CO4	•Students perceive on prevalence, classification, factors Influencing, risk Factors – clinical characteristics, metabolic changes, diagnosis of Diabetes Mellitus and also understand the etiology, clinical Symptoms and dietary Management of some of the renal disorders
			CO-5	•Gain knowledge on dietary management in Surgical and critical Conditions such as burns, stress etc.
	HS6PFCS	Personal Finance and Consumer Studies	CO1	• Understand the financial planning process and create personal financial statements and also calculate and use present and future values of money and know how to reach goals through budgeting
			CO2	Understand a credit score, know steps to building and maintaining good credit, Understand the difference in consumer credit and consumer loans and analyze the various types of personal insurance and how they work
			CO3	Understand the basics of taxes and how to use the tax code to one's advantage
			CO4	Discuss and critically analyze consumer behavior and marketing communications - in theory and practice and relate various consumer problems including rights and responsibilities, legislation and fundamentals of buymanship.
			CO5	Make wise decision in the purchase of commodities and investments and apparently recognize, analyze, and take a position on issues significant to consumers and exercise consumer rights through the use of the law and various consumer agencies

	HS6PPP M	Programme Planning and Project Managemen t	CO1	The students will Understand and infer programme planning processes and They will learn to Relate its contribution towards the situation analysis with the application of RRA and PLA frame work.
			CO2	Distinguishes the relationship factors between administration and supervision and Adapting monitoring and evaluation strategies.
			CO3	Develop skills to manage a project and implement it effectively and Understand project monitoring and control techniques.
			CO4	Discover project management tools and techniques and Becoming aware of the CPM and PERT techniques.
			CO5	Estimating the functioning of Corporate social responsibility and choosing the techniques of ethical factors and developing business ethics.
	HS6FS	Family Studies	CO1	Describe and analyse the evolution of marriage and family structure, composition and functioning with an emphasis on theories and culture. Explain the legal aspects of marriage in India.
			CO2	Investigate reasons and identify general rules by which a marriage partner is chosen in different communities in India. Explore perceptions of romantic relationships, singlehood and cohabitation and their influence on family and society. Understand the life cycle of marriage. Apply knowledge of the changing structure of society in choosing a partner. Comprehend the limitations of unique needs of families.
			CO3	Acquire knowledge and skill to comprehend conflict situations. Able to understand, identify and use effective communication skills, such as reflective listening, assertion messaging, and reframing, and be able to apply them appropriately to specific conflict situations and according to age group.
			CO4	Translate knowledge of violence theories, models, and principles into violence prevention and intervention.
			CO5	Justify one's stand or decision on the maintenance of healthy marriages and families. Investigate resources (emotional, social, financial) to handle family crisis better.

			CO6	Recognise the shift from traditional to a pluralistic family system. Interpret this change within the context of society. Appraisal of the contribution of culture and ethnicity towards family success.
	HS6EHDII	Human Development - II	CO1	Demonstrate an understanding of theories, methods and research findings of life-span development. Summarize and evaluate the research on the relative contributions of heredity (nature) versus environment (nurture) to various aspects of development.
			CO2	Merge personal knowledge of self (skills, interests, values, personality preferences) to move towards self-integration.
			CO3	Knowledge and information on issues fundamental to the study of human sexuality. Describe the effects of gender in the construction of identity. Examine culture's impact on shaping and defining human sexuality.
			CO4	List key components through stages of human development, recognizing unique components of each stage along with the continuity of development over time.
			CO5	Knowledge of parenting styles. Understanding of intra and inter-personal relationships within a family.
			CO6	Judge peer relationships across the life-span. Understand the impact of friendships on one's holistic development. Role of play and leisure o quality of life.
			CO7	To facilitate an understanding of issues in life and death from a developmental perspective. 2. To operate on coping strategies during the process of grieving.