

A.S.D Government Degree College for Women (A), Kakinada
DEPARTMENT OF HOME SCIENCE
B.Sc. Home Science

Course Outcomes 2023-24

INTRODUCTION TO HOME SCIENCE

- 1) Remember and recall the key concepts related to Home Science and its branches.
- 2) Demonstrate and understand the scope of Home Science and its linkages with other related subjects, recognizing the interdisciplinary nature of the field.
- 3) Apply the knowledge of various branches of Home Science for individual, family and society.
- 4) Analyze the concepts of Home Science and their importance and apply them in practical situations.
- 5) Evaluate the principles of Home Science education and assess their effectiveness in promoting awareness in the related fields.

HEALTH AND HYGIENE

- 1) Define the elements, indicators of health and wellness and factors.
- 2) Explain the classification, morphology, growth, nutrition, and reproduction of various microorganisms and their beneficial applications in industries.
- 3) Apply the knowledge for analyzing the symptoms, etiology and mode of transmission of various diseases.
- 4) Suggest the methods of prevention and control of microorganisms.
- 5) Assess the impact of modern lifestyle and hypokinetic diseases and the importance of sleep for good physical and mental health.

PRINCIPLES OF PSYCHOLOGY

- 1) Define the key concepts related to psychology and its applied fields.
- 2) Gain an understanding of sensory and perceptual processes, emotions and needs.
- 3) Apply the principles of attention, conditioning and techniques of memorization in the process of learning.
- 4) Examine the role of needs in motivation and compare different approaches of personality Assessment.
- 5) Design experiments or scenarios to demonstrate the principles of Psychology and generate innovative approaches to personality assessment or IQ measurement.

ESSENTIALS OF HOME SCIENCE EXTENSION

- 1) Define the philosophy and principles of Extension Education, the role and qualities of an Extension worker.
- 2) Interpret the principles of learning and their implications for teaching.
- 3) Apply the knowledge of Extension in selection and preparation of innovative teaching aids.
- 4) Evaluate the effectiveness of different teaching methods and techniques in Extension Education.
- 5) Develop comprehensive and need based Extension Education plans for effective communication.

HUMAN DEVELOPMENT

- 1) Remember and recall the key terms related to growth and development
- 2) Demonstrate an understanding of the principles of child development and identify the factors that influence the growth and development of children.
- 3) Apply the knowledge of determinants of development to analyze and explain the impact on the growth and development of individuals.
- 4) Analyse the stages of development across the lifespan and critically evaluate the similarities and differences between these stages.
- 5) Assess the physical and psychological care required during pregnancy, identify complications that may arise, and evaluate the factors affecting prenatal development.

INTRODUCTION TO FOOD SCIENCE

- 1) Identify the basic food groups and understand the concept of My Plate for the day and various cooking methods.
- 2) Demonstrate an understanding of the composition of various food groups in the daily diet.
- 3) Practically apply the knowledge of food composition and cooking methods.
- 4) Analyse the effect of cooking methods on various plant foods and classify beverages.
- 5) Design Menus or recipes incorporating variety of food groups based on the needs of the individual.

H.SC 301: FAMILY & COMMUNITY NUTRITION

- 1) Define the dietary guidelines for Indians, principles of meal planning, and the concept of a balanced diet for various age groups.
- 2) Interpret the nutritional requirements for different age groups and gain knowledge on nutritional problems and eating disorders.
- 3) Apply the understanding of nutritional requirements for different stages of lifespan and address nutritional problems and develop appropriate dietary plans.
- 4) Analyze the importance of nutritional status assessment of the community and its role in identifying nutritional deficiencies and planning interventions.
- 5) Design and develop education material that promote healthy eating habits and improving nutritional status of the community.

H.SC 302: PRINCIPLES OF GARMENT CONSTRUCTION

- 1) Remember and identify the equipment used in different stages of garment construction.
- 2) Learn the methods of pattern making drafting, draping.
- 3) Apply the knowledge of principles of design in pattern making and garment construction.
- 4) Analyze the quality, fitting, and shape of readymade garments, tailor-made garments, and homemade garments and also identify common fitting problems.
- 5) Design and create patterns and garments and also generate techniques to address common fitting problems in garments.

H.SC 303: CHILD DEVELOPMENT

- 1) Remember the terms related to growth and development, principles of growth and development
- 2) Understand and analyse the various determinants of development and their interrelationship.
- 3) Analyze the parenting styles and their effect on child's personality.
- 4) Apply the knowledge of development of children in understanding the children assessing the milestones and identifying the developmental delays
- 5) Evaluate the stages of prenatal development, the care required during pregnancy, and identify and assess the common discomforts and complications that may occur during pregnancy.

HSC 401: THERAPEUTIC NUTRITION

- 1) Remember the purpose of diet therapy and the therapeutic adaptations of normal diets.
- 2) Demonstrate an understanding of different diseases and their etiology and symptoms.
- 3) Apply the knowledge of different nutrients and their role in disease management.
- 4) Evaluate the complications associated with various diseases and offer diet counselling.
- 5) Design and develop therapeutic diets for specific conditions, considering the dietary adaptations required and the nutritional needs of individuals.

HSC 402: FABRIC CONSTRUCTION & APPAREL CARE

- 1) Remember the concepts related to weaving, fabric construction and the properties of woven and non-woven fabrics.
- 2) Understand the weaving process and the different finishes of woven and non-woven fabrics.
- 3) Apply the understanding of factors affecting clothing selection to make wise clothing choices for different age groups.
- 4) Analyze and evaluate wardrobe planning strategies based on lifestyle, budget and personal preferences.
- 5) Design and create fabric samples with different types of weaves.

HSC 403: HUMAN DEVELOPMENT AND FAMILY DYNAMICS

- 1) Remember the cognitive physical, emotional and social development during adolescents.
- 2) Understand the physical and physiological changes during various stages of life span and the major concerns during those stages
- 3) Apply the knowledge of developmental characteristics to identify appropriate strategies and interventions for addressing the major concerns faced during various stages.
- 4) Analyse the importance of marriage and family, its effect on the members and evaluate the effectiveness of counselling in addressing the major concerns of individuals and families.
- 5) Evaluate the changing trends ,problems of modern family ,its impact on the members and the need for family counselling

HSC 404: NUTRITIONAL BIO-CHEMISTRY

- 1) Remember the structures of macro nutrients and their properties and reactions.
- 2) Understand the chemistry of macronutrients and their role in human nutrition.
- 3) Apply the understanding of nutrient metabolism to analyse and interpret the processes of digestion and absorption.
- 4) Analyze and evaluate the integration of carbohydrate, protein, and lipid metabolism, considering their interdependencies and regulation.
- 5) Evaluate the integration of nutrient metabolism in maintaining overall metabolic homeostasis.

HSC 405: RESOURCE MANAGEMENT AND FAMILY ECONOMICS

- 1) Remember the steps involved in the management process i.e. planning, organizing, controlling, and evaluating.
- 2) Understand the importance of systems approach to management and the factors that motivate the management.
- 3) Apply the knowledge of time, energy and money management to the management process.
- 4) Evaluate the effectiveness of the management process in Home Management.
- 5) Develop a comprehensive management plan for a family to achieve the desired goals.

HSC 406: EXTENSION EDUCATION & RURAL DEVELOPMENT

- 1) Memorize the definition, objectives, and principles of program planning in extension, as well as the steps involved in program planning.
- 2) Understand the methods to assess felt and unfelt needs of the community as well as evaluate individual and group performances.
- 3) Interpret the characteristics of a good lesson plan and develop effective lesson plans for specific groups.
- 4) Analyze the features, characteristics and implications for development for rural, urban, and tribal communities.
- 5) Formulate strategies for community development in line with the objectives and scope of a welfare state.

HSC 16C: FOOD QUALITY CONTROL AND ASSURANCE

- 1) State the importance in the food quality as well as the objectives, functions, stages, and methods of quality control in the food industry.
- 2) Explain the different food quality assurance systems at National and International level.
- 3) Apply theoretical and practical considerations of sensory evaluation subjective and objective tests for sensory parameters.
- 4) Examine the quality assessment of food materials like selection, food standards, and food packaging and labeling methods.
- 5) Design and propose quality control measures and strategies for ensuring food quality in the food industry.

HSC 17C: FOOD SAFETY, SANITATION AND HYGIENE

- 1) Enumerate the factors affecting food safety, and recognize the importance of food safety, including the risks and hazards.
- 2) Understand the role of microorganisms in food-related hazards, and the provisions of the Food Safety and Standards Bill 2005.
- 3) Associate the principles of food hygiene and sanitation at various levels like food handlers, preparation and storage, garbage disposal, and safety of leftover foods.
- 4) Examine the methods to identify food adulterants and the consequences of adulteration.
- 5) Evaluate and recommend the safety measures required in food processing for creating an environment for serving safe and nutritious food.

HSC 18C: GUIDANCE AND COUNSELLING

- 1) Remember the meaning, scope, and need and principles of guidance and counseling.
- 2) Use appropriate counselling techniques based on the clientele.
- 3) Analyze the needs of the clientele by conducting different types of counseling sessions.
- 4) Recognize the roles and functions as a counsellor.
- 5) Formulate counselling strategies for children, adolescents and families based on their problems.

HSC 19C: EDUCATION AND COUNSELLING FOR PARENTS AND COMMUNITY

- 1) Recognize the need, aspects of parent and community education as well as various roles of parents.
- 2) Identify the principles of parent and community education in relation various socio-cultural settings.
- 3) Analyze the role of professionals in parent and community education in evaluating the effectiveness of parent and community education programs.
- 4) Evaluate the methods of parent education in dealing children with developmental delays as well as special needs and normal children.
- 5) Develop comprehensive parent and community education program incorporating effective strategies, techniques.

HSC 20A: INTERIOR DESIGN AND DECORATION

- 1) Recognize the elements and principles of design for attaining goals of Interior design and decoration.
- 2) Comprehend the methods of achieving goals of Interior decoration by using appropriate principles design.
- 3) Apply the knowledge of art elements, art principles and colour in interior design.
- 4) Analyze the furniture and furnishing requirements to attain aesthetics in interiors.
- 5) Assess the importance of accessories, flower arrangement and plants in interior design.

HSC 21A: TEXTILE DESIGN

- 1) Identify the art elements, art principles and methods of design in obtaining structural and surface designs in fabrics.
- 2) Classify different basic and decorative weaves and their role in attaining the desired structural designs in fabrics.
- 3) Apply knowledge of dyeing and printing for achieving aesthetic surface designs in fabrics.
- 4) Compare the traditional textiles and embroideries of India, including their origins, fabrics used in different states, motifs, typical colors, and fabrics.
- 5) Assess the historical significance and typical designs and fabrics used in various traditional textiles and clothing.