



GOVT.D.B. GIRLS' P.G. COLLEGE, RAIPUR

FACULTY OF HOME SCIENCE

Home Science is a science-oriented, multidisciplinary subject which encompasses the multifarious activities that occur in families, households, and communities. Over years, the discipline has evolved and expanded to encompass activities and services of relevance, not only to the micro contexts of the family and community, but also to the macro context of the larger society. Home Science is both multidisciplinary and interdisciplinary in its context encompassing the five major disciplines of Family Resource Management, Foods and Nutrition, Textiles and Clothing, Human Development, and Extension and Education. Each discipline has one or more specific areas of specialization.

PROGRAMME SPECIFIC OUTCOMES – PSO: On completion of the specific programme (Regular and vocational Degree in Home Science) students will able to learn

- I. Describe and analyze the discipline of Home Science as a holistic field of study covering multiple facets and requirements of human beings in day to day living, for example, achievement of appropriate milestones in personal development; awareness, need and use of family resources; access to adequate nutrition for wholesome development; clothing fundamentals and advances; and effective strategies for community extension and communication.

- II. Demonstrate skills/talents and proficiency in specialized areas of study.
- III. Demonstrate proactive networking in specific areas of study involving significant stakeholders including professionals, researchers, and public service personnel.
- IV. Address concern for the community (urban, rural and tribal) with genuine sensitivity and dedicate transferable knowledge and research findings for the benefit of the community.
- V. Develop sensitivity, resourcefulness, and competence to render service to enhance development of individuals, families, communities, and the nation at large.
- VI. Manifest a wide range of knowledge regarding sources of data (information) collection and transfer enabling exchange of ideas and notions; access to resources including e-resources and libraries; trends in knowledge gaining and transfer (teaching- learning processes); techniques of skill acquisition and understanding existing basic issues related to the disciplines in Home Science and methods to resolve and ratify them.
- VII. Demonstrate interest in engaging in active need based, innovative and community-oriented research using appropriate methods, collect and process data and present evidence-based solutions and defend arguments related to the field of research in Home Science.
- VIII. Analyze and apply research findings for the use of societal needs and contribute to nation building strategies.
- IX. Demonstrate inclination toward acquiring knowledge and doing in-depth studies on allied subjects of Home Science, for instance Ergonomics in Resource Management; Chemistry in Textiles and Clothing.
- X. Demonstrate abilities involved in acting as proactive agents of change in promoting the discipline of Family and Community Sciences.
- XI. Explore and decide upon viable avenues of self-employment and entrepreneurship plus career options in different facets of Home Science disciplines.
- XII. Demonstrate ethical values in scholarship and social applications. research using appropriate methods, collect and process data and present evidence-

based solutions and defend arguments related to the field of research in Home Science.

COURSE OUCOME OF HOME SCIENCE TEACHING AT U.G. WILL
BE

UPON SUCCESSFUL COMPLETION OF COURSE STUDENTS WILL BE ABLE TO LEARN

1. **Disciplinary knowledge and skills:** Capable in demonstrating basic theoretical and practical knowledge and understanding in subjects like:
 - a) Textiles and Clothing from Textile Chemistry and Engineering, Fine Arts, Textile designing, Garment production industries, Apparel retailing and merchandizing, Fashion Design, History.
 - b) Extension and Communication from Social work, Journalism, Mass Communication, Media production and promotion, Theatre, Law, Film Making.
 - c) Food Science and Nutrition from Physiology, Biology, Nutrition, Chemistry, Biotechnology, Microbiology, Dietetics, Medicine, Extension.
 - d) Resource Management from Resources, management, Architecture, Consumer, Economics, Commerce, Civil Engineering, Environment, Fine Arts, Design , Social Work, Law, Ergonomics , Physiology, Interior Design.
 - e) Human Development and Family Studies from Psychology, Sociology, Social Work, Pediatrics, Anthropology.
2. **Effective Communicator:** Ability to communicate precisely, confidently and with clarity among the rural and urban communities using attention seeking media on the various educational topics for creating awareness and making better lives .Competency to express thoughts and ideas through folk media, Social media, print media, PPT's, role plays ,displays and exhibitions along with oral and writing skills.

3. **Critical thinking, Analytical reasoning and Problem solving** : Ability to employ critical thinking in identifying the problem, developing analytical skills and capabilities to resolve the problems efficiently related to all the five specific areas on a tailor made basis for a client, customer, an individual , family and society either independently or with the support of concerned authorities .
4. **Research and Scientific reasoning**: Skills in undertaking small researches by way of Term paper, Case Studies, Market Surveys, Field visits, Laboratory Experiments etc. on the related topics/ problems of the discipline and arrive at the results based on the scientific reasoning wherever applicable.
5. **Cooperation/ Team Work**: Capability of working enthusiastically and united with the working teams in organizing events in the Department/ Faculty/ University/ Community , and accomplishing group work/ assignments / tasks by willing cooperation of all and well-coordinated group living through during educational visits.
6. **Reflective thinking**: Ability to practice empathy and objectivity in dealing with the personal and community interactions and problems.
7. **Digital Literacy**: Competency in accessing relevant and authentic information and data from Electronic media with a motive to learn and synthesize it on the given topics in Home Science discipline for academic and extension work presentation and to prepare computer aided designs by using the needed software's.
8. **Self-directive learning**: Potential to complete the assigned projects successfully either at Residential / Commercial level or Community level by managing the resources independently and wisely.
9. **Multicultural competence**: Ability to learn about different cultures by way of practicing traditions, traditional cooking, ethnic designing and stitching, developing itineraries, and making traditional arts.

1. HUMAN DEVELOPMENT

- Basics of human development, with an overview of growth and development, principles of development, concept of family, society and cultural variations.
- They will acquire knowledge and insights about the dynamics of contemporary marriage and family system of India.
- They will be able to acquainted with different dimensions of development across the life-span namely, physical and motor, cognition, language, socio-emotional and personality and finally relevant issues in human development and social change.
- They will develop awareness about the important aspect of development during birth to old age.
- It will enhance knowledge about major theoretical approaches and their implication as well as importance of early childhood care and significance of intervention programs related to early child development.
- They will be acquainted with all government's current policies and program related to human development up to the level of 1st only.
- Life span development will increase the knowledge about the entire life span and traces the various developmental stages, from infancy to adulthood for 2nd year students .
- It will increase knowledge about various methods and materials, which can be used-while working with children. It will increase knowledge about use of different materials and various methods to enhance creativity skill for optimum development of children among 2nd year students.
- Enhancing the capability of understanding early childhood care and educational facilities through medium of play, for early childhood education at final year level.

- Practical classes at under graduation level develop creativity skills among students by administration of different experiments and techniques thus developing an applied ability.

2. FOODS AND NUTRITION:

- They will be familiar to basic terminologies used in foods and nutrition.
- They will understand the functions of food and the role of various nutrients, their requirements and the effects of deficiency and excess. They will Learn about the structure, composition, nutritional contribution and selection of different foodstuffs, be familiar with the different methods of cooking, their advantages and disadvantages and they will develop an ability to improve the nutritional-quality of food up to 1st year.
- They will be acquainted with all the concept of an adequate diet and the importance of meal planning up to 2nd year.
- They will increase knowledge about the factors affecting the nutrient needs during the life cycle and the RDA-for various age groups and gain knowledge about dietary management in common ailments up to the level of 2nd year .
- Enhancing the capability of understanding about the basics of food preservation, its importance, various techniques of food preservation, human physiology, biochemistry, basic metabolism and its relation to nutrition among 2nd and final year students.
- Practical classes develop understanding about weights and measures, different methods of cooking, meal planning, standardization of food and various techniques of food preservations among students.

3. RESOURCE MANAGEMENT:

- It will create awareness among the students about, management in the family as well as the other systems.
- They will be acquainted with the importance' of wise use of resources in order to achieve goals, physical environment and its components and the major issues, impact of human, activities on environment and the action needed for checking environmental threats up to level of first year only.
- Consumer economics will increase the knowledge about all aspects related to consumers and their rights to 2nd year students.
- Enhancing the capability of understanding the basics of arts and design through various methods among final year students. They be acquainted with the basics of elements of arts, principles of designs, traditional art, finances, furnishes and furniture's.

4. TEXTILE AND CLOTHING :

- It will increase the knowledge about the proper notion regarding choice of fabrics. They will develop skills in clothing construction .They acquaint with different textiles and their performances. They will increase knowledge on different textiles finishes up to level of 1st year.
- Enhancing the capability to understand the principles of laundry, various techniques of washing, sewing machines, pattern ,tailoring and drafting among 2nd year students.

- Enhancing the capability to understand the importance of Clothing, Sociological & psychological aspects of clothing Fabrics to be considered while selecting of fabric for different garment, principles of designs, fashion, fashion trends, traditional embroideries and designs among final year students.
- They will increase knowledge about the basics of computer, its application, its uses, personal empowerment, extension education, community development, various techniques and its application up to level of final year.
- Practical classes develop understanding about different methods of construction of apparel, dying, printing, application of MS office, report writing among the students.