

Department of BSc. Home Science
DHARMANAND UNIYAL GOVERNMENT DEGREE
COLLEGE, NARENDRANAGAR(T.G.)

PROGRAMME OUTCOMES(POs) and COURSE
OUTCOMES(COs.)

Degree Programme: BSc. Home Science (Annual System)

PROGRAMME OUTCOMES (POs):

1. Understand and appreciate the role of interdisciplinary sciences in the development and well- being of individuals, families and communities.
2. Learn about the sciences and technologies that enhance quality of life of people.
3. Acquire professional and entrepreneurial skills for economic empowerment of the student in particular, and community in general.
4. Develop professional skills in food and nutrition, textiles, housing, product making, communication technologies and human development.
5. Take science from the laboratory to the people to improve quality of life of people.

COURSE OUTLINE

FIRST YEAR		
CODE	PAPER NAME	MARKS
THEORY		
B.Sc. (HA01)	Principles of Human Nutrition	50
B.Sc. (HA02)	Food Preservation	50
B.Sc. (HA03)	Introduction to Clothing and Textiles	50
B.Sc. (HA04)	Textile Designing and Finishes	50
B.Sc. (HA05)	System Dynamics and Management of Resources	50
B.Sc. (HA06)	Consumer Education	50
B.Sc. (HA07)	Introduction to Human Development	50
B.Sc. (HA08)	Life span Development I	50
B.Sc. (HA09)	Human Physiology	50
PRACTICAL		
B.Sc. (HA10)	Food Preservation	50
B.Sc. (HA11)	Introduction to textile, its designing and finishes	50
B.Sc. (HA12)	Human Physiology	50
SECOND YEAR		
THEORY		
B.Sc. (HA13)	Introduction to Extension education	50
B.Sc. (HA14)	Communication and Instructional technology	50
B.Sc. (HA15)	Nutrition: A life cycle approach	50
B.Sc. (HA16)	Therapeutic Nutrition	50
B.Sc. (HA17)	Introduction to Housing and Space Design	50
B.Sc. (HA18)	Introduction to Interior Designing	50
B.Sc. (HA19)	Life Span Development II	50
B.Sc. (HA20)	Population Dynamics	50
B.Sc. (HA21)	Fashion studies	50
PRACTICAL		
B.Sc. (HA22)	Communication and Instructional Technology	50
B.Sc. (HA23)	Normal and Therapeutic Nutrition	50
B.Sc. (HA24)	Fundamentals of Housing and Interior Designing	50
THIRD YEAR		
THEORY		
B.Sc. (HA25)	Clothing Construction and Flat pattern making	50
B.Sc. (HA26)	Traditional Indian Textiles	50
B.Sc. (HA27)	Food standard and Quality control	50
B.Sc. (HA28)	Nutrition Education	50
B.Sc. (HA29)	Early Childhood Education and Management	50
B.Sc. (HA30)	Children with Special Needs	50
B.Sc. (HA31)	Financial Management	50
B.Sc. (HA32)	Entrepreneurship Development	50
B.Sc. (HA33)	NGO Management and CSR	50
PRACTICAL		
B.Sc. (HA34)	Clothing Construction and Flat pattern making	50
B.Sc. (HA35)	Food Quality and Nutrition Education	50
B.Sc. (HA36)	Early Childhood Management and Special Education	50

COURSE OUTCOMES(COs)

BSC. HOME SCIENCE IST YEAR

THEORY:

B.Sc. (HA01) Principles of Human Nutrition

Course outcomes:

- Understand of relationship between food, nutrition and health.
- Knowledge of functions of various nutrients and their sources & gaining knowledge about clinical manifestations of excess/ deficiency of nutrients.

B.Sc. (HA02) Food Preservation

Course outcomes:

- Understand the principles and methods of food preservation.
- Identify different preservation techniques and their applications.
- Evaluate the quality and safety of preserved food products.
- Apply appropriate preservation methods to extend the shelf life of perishable foods.
- Demonstrate knowledge of food preservation regulations and standards.

B.Sc. (HA03) Introduction to Clothing and Textiles

Course outcomes

- Knowledge of textiles fibers and yarns in terms of their production, properties and application.
- An in-depth information regarding the various fabric construction.
- Develop the skill of identifying and analyzing various types of fibres, yarns and fabrics.
- Knowledge of textile care and maintenance.
- Awareness on sustainable textiles and its application daily life.

B.Sc. (HA04) Textile Designing and Finishes

Course outcomes:

- Evaluate the functionality and suitability of apparel designs for specific purposes
- Understand the principles of apparel design and fashion aesthetics.
- Analyze current trends and styles in the apparel industry.
- Apply design elements and principles in creating apparel prototypes.

B.Sc. (HA05) System Dynamics and Management of Resources

Course outcomes:

- Knowledge of various concepts and principles of resource management.
- To create awareness of resource their availability, generation and allocation for improvement in the quality of life of families.

B.Sc. (HA06) Consumer Education

Course outcomes:

- To familiarize the students with the changing socio-economic environment and consumer behaviour
- To strengthen the financial management practices of the students for wise consumer behaviour
- To have an overview of the consumer problems, consumer movement and consumer protection

B.Sc. (HA07) Introduction to Human Development

Course outcomes:

- Detailed understanding of development.
- Knowledge on developmental theories.

B.Sc. (HA08) Life span Development I

Course outcomes :

- Focus on the different aspects of development viz. physical, cognitive, social, and emotional development of human from prenatal period up to middle childhood period.

B.Sc. (HA09) Human Physiology

Course outcomes:

- Gain the basic knowledge of human anatomy and physiology.
- Define the main structures composing human body.
- Explains structure and functions of cells, tissues and organs, systems of the human body
- Relates structure and functions of tissue.

PRACTICALS:

B.Sc. (HA10) Food Preservation

Course outcomes:

- Develop ability to preserve foods by different methods.
- Understand the basic principles underlying food preservation as an income generating activity.
- Get exposure to the commercial processing of the preserve foods.

B.Sc. (HA11) Introduction to textile, its designing and finishes

Course outcomes:

- Knowledge of different tests of fibre, yarn, fabric.
- Knowledge of different faric construction techniques
- Students will be able to use the finishes techniques for developing different products.

B.Sc. (HA12) Human Physiology

Course outcomes:

- Define the main structures composing human body.
- Knowledge of measurement of BP, blood glucose, blood components assessment.
- Explains structure and functions of cells, tissues and organs, systems of the human body
- Basic knowledge of first aid

COURSE OUTCOMES(COs)
BSC. HOME SCIENCE IIND YEAR

THEORY:

B.Sc. (HA13) Introduction to Extension education

Course outcomes:

- Understand the principles, theories, and concepts of extension education.
- Recognize the role of extension in promoting social change and development.
- Apply effective communication and teaching methods in extension work.
- Plan and implement extension programs to address community needs.

B.Sc. (HA14) Communication and Instructional technology

Course Outcomes (COs):

- Understand the concept and process of communication.
- Awareness about the importance of teaching aids in learning

B.Sc. (HA15) Nutrition: A life cycle approach

Course Outcomes:

- Comprehend the nutritional requirements at different stages of the life cycle.
- Evaluate the impact of nutrition on growth, development, and overall health.
- Analyze dietary patterns and their implications for various life stages.
- Develop appropriate dietary plans and recommendations for different age groups.
- Promote healthy eating habits and preventive nutrition strategies.

B.Sc. (HA16) Therapeutic Nutrition

Course Outcomes:

- Knowledge of principles of diet therapy
- Understanding the various therapeutic modification of normal diet
- Ability to counsel the persons and individuals about dietary intakes and modifications

B.Sc. (HA17) Introduction to Housing and Space Design

Course outcomes:

- Understand the principles and factors influencing housing design and layout.
- Analyze spatial needs and functionality in residential and commercial spaces.
- Apply principles of space planning and utilization for optimal use of available space.
- Evaluate the impact of environmental factors on housing and space management.
- Design and recommend appropriate interior arrangements for different settings.

B.Sc. (HA18) Introduction to Interior Designing

Course outcomes:

- To apply basic knowledge of principles involved in planning in a residential place.
- To learn about elements and principles of art and their application in interior designing.

B.Sc. (HA19) Life Span Development II

Course outcomes:

- Focus on the physical, cognitive, social, and emotional development of human from adolescence period up to old age.

B.Sc. (HA20) Population Dynamics

Course outcomes:

- Students will learn about population education and family life education.
- Knowledge of government development programmes for population, women and children in India.
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B.Sc. (HA21) Fashion studies

Course outcomes:

- Competent to develop a good design through application of elements of design
- They will acquire the ability to perform visual research for application of elements in context of fashion.

PRACTICALS:

B.Sc. (HA22) Communication and Instructional Technology

Course outcomes:

- To learn various concepts of communication, audio-visual aids
- To familiarize and acquire practical skills to plan, prepare and use of AV aids in the community
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B.Sc. (HA23) Normal and Therapeutic Nutrition

Course outcomes:

- Knowledge of the nature and scope of therapeutic nutrition.
- Understand the principles of dietary modification and apply in planning.
- Knowledge of diet planning for different lifecycle stages and different clinical conditions.

B.Sc. (HA24) Fundamentals of Housing and Interior Designing

Course outcomes:

- Knowledge of different house plans for different income groups.
- Knowledge of different types of designs, Pottery designs, creative usage of waste material.

COURSE OUTCOMES(COs)

B.Sc. HOME SCIENCE IIIRD YEAR

THEORY:

B.Sc. (HA25) Clothing Construction and Flat pattern making

Course outcomes:

- Basic understanding of garments, machines, Clothing construction terminology and their use in apparel and fashion industry
- Knowledge about sewing machine, parts of sewing machine, analyze constructional processes.
- To use basic patternmaking principles to create design variations.

B.Sc. (HA26) Traditional Indian Textiles

Course outcomes:

- Explore the rich heritage and diversity of traditional Indian textiles.
- Understand the techniques, motifs, and cultural significance of Indian textiles.
- Analyse the historical and socio-economic context of traditional textile production.
- Evaluate the current trends and market potential of Indian textiles.
- Promote the preservation and sustainable development of traditional textile crafts.

B.Sc. (HA27) Food standard and Quality control

Course outcomes:

- Understanding of food quality, standard, laws and regulations
- Learn about methods for assessing food quality, quality control and food safety.

B.Sc. (HA28) Nutrition Education

Course outcomes:

- To reinforce specific nutrition-related practices or behaviours to change habits that contribute to poor health in community.
- Able to use variety of communication methods to educate individuals.
- Learn about different methods to assess nutritional status of subjects.

B.Sc. (HA29) Early Childhood Education and Management

Course outcomes:

- Learning of global and Indian philosophers' views on early childhood education.
- Learn Concept of management of ECCE.
- Learn importance of early childhood care education.

B.Sc. (HA30) Children with Special Needs

Course outcomes:

- Understanding of different concepts of developmental challenges in children.
- Knowledge of need and importance of special education for children with developmental challenges.
- Gain knowledge on the characteristics, classification, aetiology, identification and assessment of different disabilities.

B.Sc. (HA31) Financial Management

Course outcomes:

- To learn the basic of financial management which have an impact on family consumption patterns.
- To develop understanding of concepts of income and expenditure among families.

B.Sc. (HA32) Entrepreneurship Development

Course outcomes:

- Learning about the importance of entrepreneurship Development in the development of Indian economy
- Creating awareness regarding entrepreneurial traits, entrepreneurial support system, opportunity identification, project report preparation and understanding of legal and managerial aspects.

B.Sc. (HA33) NGO Management and CSR

Course outcomes:

- Understanding of concept of NGO, their characteristics, history, structure, function and contribution in the development.
- Develop an understanding and competency of management of NGO and develop skills required for a career in this field.

PRACTICALS:

B.Sc. (HA34) Clothing Construction and Flat pattern making

Course outcomes:

- Knowledge of sewing machine, parts of sewing machine, analyze constructional processes.
- Knowledge of different stitches and fabrics.
- Basic knowledge of body measurement, drafting cutting and stitching of garments.

B.Sc. (HA35) Food Quality and Nutrition Education

Course outcomes:

- Knowledge of food quality evaluation using different sensory tests.
- Learning of different types of common adulterants for different foods.
- Learning of conducting market survey for nutritional labelling
- Able to use variety of communication methods to educate individuals
- Conducting assessment of nutritional status in community using anthropometric and dietary methods

B.Sc. (HA36) Early Childhood Management and Special Education

Course outcomes:

- Understanding about management of ECCE centre/ nursery school
- Knowledge of developing master lesson plan, teaching aids and their use in aganwadis.
- Planning educational material special children and conduct a case study.