

**SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI**  
**B.SC. HOME SCIENCE – 3 YEARS UNDERGRADUATE PROGRAMME**

**Programme Outcomes (PO)**

The undergraduate programme in Home Science is aimed at providing the students necessary inputs so as to set forth the task of bringing about new and innovative ideas/concepts so that the formulated model curricula in Home Science becomes in tune with the changing scenario and incorporate new and rapid advancements and multi-disciplinary skills, societal relevance, global interface, self-sustaining and supportive learning.

**Students will:** 1. Become well equipped with scientific & technical education of theoretical and practical knowledge of interdisciplinary subjects.

2. Improve their life quality through all round personality development by learning essential life skills.

3. Perform in varied professional careers leading to their socio-economic development through financial upliftment and improvement in socio-economic status.

4. Think critically and take informed decisions after identifying the accuracy and validity of their assumptions and ideas from intellectual, organizational, and personal perspectives.

5. Communicate effectively through speaking, reading, writing and listening clearly in one Indian language and thereby express themselves to the world.

6. Recognize the issues of environmental perspectives and appreciate sustainable development for long term environmental sustainability.

7. Engage themselves in life-long self-determining and learning in the comprehensive background of sociotechnological changes for continued self-directed and life-long learning

8. Ethically recognize different value systems, understand the moral dimensions of individual decisions and accept responsibility for them.

**Programme Specific Outcomes (PSO)**

The students of undergraduate programme in Home Science will

1. Cultivate a scientific temper towards Fundamentals of Food and Nutrition.

2. Develop their scientific & technical acumen for food science & nutrition; food chemistry & food preservation, Community Nutrition and Applied life Sciences.

3. Cultivate a scientific temper towards Resource Management.

4. Able to advance the aesthetic and organized methods for home décor production & interior decoration.

5. Develop their scientific & technical acumen for Human Development & Family Dynamics.

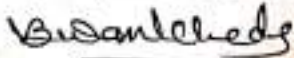
6. Understand life span development; early childhood education & care; human development & family dynamics.

7. Grow a scientific & technical acumen for Textiles & Clothing, textile & laundry science; apparel & cloth designing, tailoring, embroidery & printing, art & design.

8. Cultivate a scientific temper towards Community Development Perspective and Approaches Socio Economic Analysis of Communities.

9. Cultivate a scientific temper towards Communication Process.

10. Develop a systematic & methodical approach aimed at communication process, computer basics and personal empowerment.

  
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11. Improve their scientific & technical acumen in human physiology, nutritional biochemistry, first aid & nursing.

### **Semester I Course outcomes:**

#### **Communication Skills – I-**

Students would be able to :

1. Improve their vocabulary to enhance their fluency in English / Marathi.
2. Read with correct pronunciation.
3. Develop written communication skills for everyday and professional communication

#### **Fundamentals of Home Science (Th)- I**

1. Recognize various resources available in the home/ community/institution
2. Apply human and nonhuman resources for better lifestyle
3. Interpret the concept of food and nutrition
4. Acquire and use the knowledge of nutrients
5. Work in community development activities

#### **Fundamentals of Home Science II(Th)**

1. Relate major concepts, scope, and significance of human development.
2. Summarize the stages of Human development.
3. Appraise the importance of the textile industry in the Indian economy and its sectors.
4. Gain and describe the knowledge of textile fibers and their properties.
5. Apply the process of communication in home science education.

#### **Applied Human Physiology(Th)**

1. Explain basic terminology regarding human physiology.
2. Illustrate the basic structure of the human body.
3. Recognize coordination between different systems of the body for normal functioning

#### **Communication Skills(ACE) – I (Practical )**

1. Prepare and deliver an effective presentation
2. Develop effective writing skills.
3. Write an application for job Course outcomes with an effective resume

#### **Fundamentals of Home science-I(Practical )**

1. Judge the nutritional aspects of food and their functions
2. Plan and present the therapeutic recipes
3. Interpret the importance and role of micronutrients in health.
4. Identify food resources to knowledge role of vitamins in health.

#### **Fundamentals of Home science-I(Pr)**

1. Judge the nutritional aspects of food and their functions
2. Plan and present the therapeutic recipes
3. Interpret the importance and role of micronutrients in health.
4. Identify food resources to knowledge role of vitamins in health

#### **Fundamentals of Home Science II(Pr)**

1. Summarize the importance of play in the development of Child
2. Describe the advantages of various teaching aids to promote all round development of a child.

#### **Applied Human Physiology(Pr)**

1. Identify all the systems of human body.
2. Demonstrate the basic structure and function of human body.

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3. Apply basic first aids measures.

## **Semester II**

### **Communication Skills – II :**

1. Apply knowledge & skills of communication.
2. Interact more effectively in English & Marathi
3. Be more effectively and creative communication

### **Composite Home Science – I**

1. Apply the knowledge for decision making process.
2. Correlate the major responsibilities of family for healthy life.
3. Prioritize the use of foods containing vitamins and minerals.
4. Create a better understanding of community organization and development –

### **Composite Home Science-II-**

1. Summarize the significance of early and late childhood.
2. Classify aspects of clothing and personality development.
3. Demonstrate the methods of taking body measurements
4. Describe the role of Government and Non-Government organizations in community development

### **Nutritional Biochemistry**

1. Develop an understanding of the principles of Biochemistry as applicable to Human Nutrition .
2. Obtain an insight into the Biochemistry of digestion and absorption of major nutrients
3. Apply the acquired knowledge in Human Nutrition and Dietetics h)

### **Communication Skills in languages –II(Practical )**

1. Develop listening, reading and writing skills.
2. Develop the speaking skills)

### **Composite Home Science – I(Practical )**

1. Plan the use of various types of spaces
2. Develop sustainable alternatives of utilization of waste resources

### **Composite Home Science-II(Practical )**

1. Acquire and apply skills in basic stitching and finishing.
2. Do application of seam, tucks and pleats in the garments designing.
3. Demonstrate the use and care of various sewing machines and
4. Design and illustrate basic garments construction techniques

### **Nutritional Biochemistry(Practical )**

1. Identify carbohydrates and Lipid.
2. Develop ability of Detection of proteins using color reaction.

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Syllabus Prescribed for Second Year UG Program me  
B.Sc. Home Science (Three year degree course)

### Course Outcomes

#### Semester III

HSC301 Housing and Interior Enrichment Theory 40

1. Develop an understanding of the application of art principles
2. Develop skills in creating design.
3. Develop the skill of drawing a house plan

Practical- Different Colour Scheme And Draw Different House plans

HSC 302 Food Science Theory 40 (3/W)

1. Comprehend the factors to be considered during selection of basic food commodities
2. Explain functions of specific nutrients in maintaining health.
3. Applied study aspects of food science , nutrition and food production

#### Practical

1. develop skills in preparing various food items
2. understand the principles underlying changes in food characteristics during cooking
3. understand the use of various methods of preservation of food

HSC 303 Life Span Development Theory- (40) 3/w

1. Get a broad comprehensive view of child at each stage of development-
2. Developed awareness about important aspects of development during the whole life span.
3. Understand the issues face and adjustment required at each stage across the life span

#### Practical

1. Develop and understand them self
2. Develop social skills
3. Develop a better understanding of adjustment in relationships

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HSC 304

**Textile Science Theory- (40) 3/w**

1. Develop the basic concepts of textile fibers, their characteristics and uses.
2. Be aware of the manufacturing processes of fiber, yarn and fabrics.
3. Acquaint with the different textiles and their performance

**Practical**

- 1) Different fibers and properties of fiber, fabrics along with weaves and knits.
- 2) Adopt skill in knitting

HSC 305      **Dynamic of communication and Extension Theory 40 ( 3/W)**

1. Gain knowledge on the need and importance of communication
2. Get acquainted with extension teaching method and aids
3. Become aware the communication barriers and their solution

**Practical**

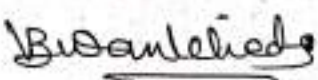
- 1) Acquire knowledge on the extension method and aids
- 2) Learn the communication method and skill
- 3) Focus on different types of media and its uses in the implementation of programme

HSC401 Home Appliances      40 ( 3/w)

1. Recognize base materials, finishes, and insulating materials used in the construction of household equipment
2. Analyze principles underlying the operation, use, care, and storage of household equipment.
3. Choose criteria for the selection and buying of appropriate equipment for the home and suitable material for functionality.

**Practical**

1. Repair, and maintenance of the basic electrical appliances.
2. Identification of protective devices.
3. Able to do domestic wiring and maintenance

  
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HSC 402 Assessment of Nutritional Status 40 ( 3/w)

- 1 student the scientific knowledge to assess the nutritional status of the community
- 2 Students will gain an understanding of dietary pattern
3. Students will gain anthropometric determinants used in the assessment of individuals and groups

Practical

Students would be able to

1. Take various anthropometric measures
2. Students will develop the ability to give nutrition and health education to specific target groups

HSC 403 Children with special needs Total Number of Periods 40 ( 3/w )

- 1 Students will Integrate knowledge about children with special needs.
2. Know the various areas and requirements of children with special need

Practical

1. Get acquainted with various techniques of guidance and ways of understanding children

HSC 404 Apparel Designing 40 (3/w )

1. Improve the skills in garment making.
2. Impart more elaborate skills.
3. Understand construction details

Practical

Student will develop skills in Apparel designing and garment construction

Community Development

- Acquire knowledge community activities
- Understand community developmental programmes
- Develop abilities of leadership

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Part B

Syllabus Prescribed for Third Year UG Programme

B.Sc. (Home Science) **Semester -V**

**Management of Family Resources**

1. Identify the resources and factors influencing the use of tools in time management in day-to-day life.
2. Apply work simplification techniques while planning work.
3. Develop skills to draw a budget within the available income and to maintain accounts

**Practicals**

- 1) Management of the Family resources household level
- 2) Understand the use of time, money, and energy management

**Family Meal Management**

1. Understand the basics of recommending the dietary allowances
2. Study nutritional needs at different stages of life span

**Practicals**

1. Gain experience in planning adequate diets for different age groups and for different income groups

**Childhood Care and Education**

1. Develop an understanding of preschool programmes and its relations to onward formal education
2. Understand meaning of curriculum and various components to be included in the daily programme to promote all round development of children.

**Practicals**

1. Use play way approach to teach the curriculum
2. Plan a programme for children to develop skills

**Textile Processing**

1. Student will able to understand various finishing techniques of fabrics for enhancing the Functional properties
2. Acquaint with the materials, reagents, equipment and process involve in laundering

**Practicals**

1. Get acquainted with dyeing and printing

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**Dietetics**

3. Understand the role of dietitian in maintaining good nutritional status.
2. Gain knowledge of the principles of diet therapy
3. Design or formulate different therapeutic diets for various disease conditions

**Practicals**

1. Develop skill to plan and prepare therapeutic diets for prevention of disease conditions

**Family and Communities**

1. Be aware about the contemporary issues in family studies
2. Understand the various forces that interact in family dynamics
3. Be enabled to see the family as a primary social institution and its role in the all-round development of the individual

**Practicals**

1. Understand the dimensions of Family and social relationship

**Traditional Indian Textiles and Costume**

1. Impart the techniques of embellishing house hold and clothing articles.
2. Identify the special features in the traditional costumes of various states in India

**Practicals**

1. Develop the skill of surface ornamentation with embroidery dying & printing.
2. Design the traditional costume

**Extension Management**

1. Acquaint with the concepts and importance of management in extension organizations
2. Understand the principles of management as applicable to extension
3. Realize the role of volunteerism in social service

**Practicals**

1. Understand the organizational structure
2. To know about Conducting and reporting of programme

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2. Apply laundering processes for different fabrics

#### Extension Program Planning and Evaluation

1. Acquaint with Programme planning process in extension
2. Understand the importance of Programme Planning, implementation and evaluation
3. Design and administer tools for collection of data, Analysis of data,
4. Develop a Plan of work.

#### Practicals

1. Acquire knowledge of programme planning
2. Understand designing; implementation and evaluation techniques of programme planning

#### Event Management

1. Plan and organize various events
2. Be sensitized about various responsibilities and steps in organizing an event

#### Geriatric Care

1. Students aware and sensitized to issues related to care of the elderly.
2. To understand the theoretical perspective of the aging process

#### Audio Visual Aids

1. To gain knowledge of production of various audio visuals.
2. To develop the skill in preparing audio visual aids.

#### CBCS

#### B.Sc. HOME SCIENCE SEMESTER VI

#### Syllabus Prescribed for Third Year UG Programme

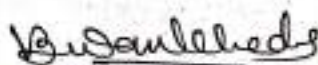
#### B.Sc. (Home Science) Semester – VI

#### Kitchen Ergonomics

1. Understand the role of ergonomics in improving work efficiency.
2. Illustrate the environmental factors contributing to productivity, Safety, control, and well-being of individuals performing the work.
3. Realize the importance of adopting a good work posture

#### Practicals

1. Plan different kitchen layouts
2. Get an exposure to the vast range of materials used for kitchen

  
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