

# **PATNA WOMEN'S COLLEGE**

**AUTONOMOUS**

**PATNA UNIVERSITY**

3<sup>rd</sup> Cycle NAAC Accredited at 'A' grade with CGPA 3.58/4

*'College with Potential for Excellence' (CPE) status accorded by UGC*

## **B.A. HOME SCIENCE**

### **Programme Outcomes for Home Science Programme**

**Upon completion of Home Science Degree Programme, the graduates will be able to**

- PO1:** Understand and appreciate the role of interdisciplinary sciences in the development and well-being of individuals, families and communities
- PO2:** Develop professional skills in food, nutrition, textiles, housing, product making, communication technologies and human development
- PO3:** Acquire professional and entrepreneurial skills for economic empowerment of self in particular, and community in general
- PO4:** Understand the sciences and technologies that enhance the quality of life
- PO5:** Inculcate environmental consciousness: Discern the issues of environmental contexts and engages in promoting values

### **Programme Specific Outcome**

**Upon completion of these programme the graduates would**

- PSO1:** Acquire knowledge in physiology and analytical principles of food and nutrients in diet formulation for all age groups; develop skills in organization and management of food service institutions
- PSO2:** Understand the principles and patterns of growth and development of humans from conception to old age and know the role of family, society and government to ensure development and protection of the rights of vulnerable groups

- PSO3:** Utilize and manage resources and contribute to community development; assess consumer problems and protection, and learn the application of management process in Event Planning & Execution
- PSO4:** Learn the principles, methods and approaches of communication and develop practical skills in Communication Process to reach out to the wider community.
- PSO5:** Understand and appreciate the textile – modern and traditional.
- PSO6:** Acquire academic skills with an aptitude for higher studies / research/entrepreneurship in any branch of the programme

## **B.A. HOME SCIENCE**

### **Course Outcome**

#### **Core Course 1**

#### **Human Development I: The Childhood Years** **HSC CC101**

- CO1:** Recall and recognize the concepts, scope and nature of human development
- CO2:** Relate and explain prenatal development and care of the new born
- CO3:** Describe, record and identify the various developmental milestones during infancy, preschool and middle childhood years
- CO4:** Demonstrate activities to facilitate development in different domains from birth to middle childhood years

#### **Core Course 2**

#### **Food and Nutrition** **HSC CC102**

- CO1:** Recall the basic concepts of food and nutrition and explain the nutrients, their functions, sources and clinical manifestation
- CO2:** Discuss and analyse the effects of cooking and processing techniques on nutritional properties of food
- CO3:** Outline the nutritional contribution and selection of various food groups

- CO4:** Explain and demonstrate the principles involved in weighing, portion size and nutritional quality of food

### **Core Course 3**

#### **Dynamics of Communication & Extension**

**HSC CC203**

- CO1:** Describe the basic Principle of Communication.
- CO2:** Explain various Communication methods, approaches and illustrate communication process
- CO3:** Outline the relationship between Communication Extension and Development.
- CO4:** Demonstrate skills in Communication Process.

### **Core Course 4**

#### **Resource Management**

**HSC CC204**

- CO1:** Understand the fundamentals of resource management in a changing scenario
- CO2:** Inculcate skills in identifying, creating, selecting and using available resources judiciously with emphasis on maximization and conservation
- CO3:** Know the scientific application of the process of management in the right use of resources and apply the management process in event planning and execution
- CO4:** Understand self as a resource – SWOT analysis, building decision making abilities;

### **Core Course 5**

#### **Introduction to Textiles**

**HSC CC305**

- CO1:** Understand the structure, properties and production techniques of various natural and manmade fibres, yarn spinning
- CO2:** Demonstrate an understanding of various types of fabric construction methods

- CO3:** Understand and apply various dyeing, printing and finishing techniques
- CO4:** Identify fabrics and relate it to specific products keeping in mind fabric properties and characteristics

### **Core Course 6**

#### **Communication Systems & Mass Media**

##### **HSC CC306**

- CO1:** Understand the role of self in communication, Intrapersonal Communication
- CO2:** Illustrate Interpersonal Communication
- CO3:** Describe Public and Mass Communication concept and techniques and types and impact of mass media in communication
- CO4:** Understand and apply group dynamics in organizations and content analysis of mass media.

### **Core Course 7**

#### **Personal Finance and Consumer Studies**

##### **HSC CC307**

- CO1:** Familiarize the students with the changing socio-economic environment and consumer behaviour, consumer problems, consumer movement and consumer protection
- CO2:** Strengthen the financial management practices for wise consumer behaviour
- CO3:** Know the standardization and quality control measures for various consumer products
- CO4:** Application of knowledge for evaluation and designing of advertisements and food products

## **Core Course 8**

### **Human Development II: Development in Adolescence and Adulthood**

#### **HSC CC408**

- CO1:** Recognize the basic concept of puberty, health, family and peer relationship during adolescence
- CO2:** Describe and identify the various developmental milestones of the adolescent period and the developmental tasks of adulthood
- CO3:** Recall and relate marriage, parenting and grand parenting
- CO4:** State and discuss various personality and intelligence tests

## **Core Course 9**

### **Nutrition: A Life Cycle Approach**

#### **HSC CC409**

- CO1:** Understand balanced diet and meal planning
- CO2:** Describe the nutritional requirements and concerns of children, adolescents and adulthood
- CO3:** Acquaint about the physiological, metabolic conditions and nutritional need during old age
- CO4:** Gain skills in planning diet during various stages of life

## **Core Course 10**

### **Fashion Design Concepts**

#### **HSC CC410**

- CO1:** Understand the role of fashion and clothing in communication of cultural practices
- CO2:** Understand the functions of a garment and to explore meaning of fashion and clothing
- CO3:** Analyse the contribution of fashion designers to the world

- CO4:** Express the social and psychological reason for fashion changes, fashion cycle and forecasting

### **Core Course 11**

#### **Research Methodology in Home Science**

##### **HSC CC511**

- CO1:** Understand the background and need of research and discuss the research process
- CO2:** Compose and appraise the methods for data collection and their analysis
- CO3:** Write and choose appropriate technique for reporting studies
- CO4:** Hands-on experience for different steps of research process

### **Core Course 12**

#### **Entrepreneurship for Small Catering Units**

##### **HSC CC512**

- CO1:** Understand the concept of entrepreneurship
- CO2:** Get familiarized with the process & procedures for establishing an enterprise.
- CO3:** Understand the art of food service system planning, organising and management
- CO4:** Hands-on experience in planning of a small food service unit

### **Core Course 12**

#### **Entrepreneurship for Small Catering Units**

##### **HSC CC512**

- CO1:** Understand the concept of entrepreneurship
- CO2:** Get familiarized with the process & procedures for establishing an enterprise.

**CO3:** Understand the art of food service system planning, organising and management

**CO4:** Hands-on experience in planning of a small food service unit

### **Core Course 13**

#### **Public Nutrition HSC CC613**

**CO1:** Recognize insight into concept, scope and role of public nutrition

**CO2:** Know the different ways to assess the nutritional status of the community

**CO3:** Sketch the nutritional problem in vulnerable section of a community and gain skills in planning and conducting food demonstration

**CO4:** Understand the agencies involved in betterment of public health

### **Core Course 14**

#### **A Study of Indian Socio Economic Environment HSC CC614**

**CO1:** Create an awareness of Indian society, culture and diversity in sociological perspective.

**CO2:** Understand the sociological study of children, youth, women and the aged population and problems faced by them.

**CO3:** Learn about different sectors of Indian economy and various government policies and programmes.

**CO4:** Understand and analyse dynamics of Indian society, changing socio-economic role of individual in society, challenges of exclusion in society.

**Generic Elective 1**  
**Care and Well Being**  
**HSC GE101**

- CO1:** Understand the principles and components of care and know the factors and experience that promote well being
- CO2:** Acquaint with the various stages of lifespan development.
- CO3:** Understand and analyse the policies, services and programs of the government to promote health.
- CO4:** Get exposure to the concept of Human Development as a field of study.

**Generic Elective 2**  
**Appreciation of Textile Crafts**  
**HSC GE202**

- CO1:** Recognize and appreciate the design effects in textile masterpieces of India.
- CO2:** Understand the role of artisan and craft persons
- CO3:** Identify traditional and modern textile crafts; gain skills in traditional textile craft techniques of India
- CO4:** Explain cultural and economic significance of textile crafts in national economy

**Generic Elective 3**  
**Current Concern in Public Health**  
**HSC GE303**

- CO1:** Outline different public health challenges and distinguish preventive approaches
- CO2:** Outline and restate nutrition policies and programmes
- CO3:** Classify and outline different approaches for food and nutrition security
- CO4:** Formulate low cost nutritional recipes



**Generic Elective 4**  
**Child Rights and Social Action**  
**HSC GE404**

- CO1:** Describe the rights of child and role of community in protection of child rights
- CO2:** Summarise the causes and consequences of vulnerable group
- CO3:** Discuss the national and international laws related to children and Evaluate the policies and programmes for children
- CO4:** Recognize and record the documentaries related to violence against children

**Discipline Specific Elective 1**  
**Physiology**  
**HSC DSE501**

- CO1:** Understand the functioning of various organ systems in the human body.
- CO2:** Compare the action of different hormones and the effect of their imbalances.
- CO3:** Understand the reproductive system and its development.
- CO4:** Acquire competence on the techniques used for identification of different pathogenic microbes.

**Discipline Specific Elective 2**  
**Indian Textile Heritage**  
**HSC DSE502**

- CO1:** Analyse the traditional textile arts in their historical perspective and discuss sustenance of traditional textile crafts and interventions by organisations
- CO2:** Provide an insight into the evolution and socio economic significance of khadi, handloom and handicraft sectors
- CO3:** Indicate/illustrate care and conservation of traditional textiles
- CO4:** Understand the impact of modernisation and their contemporary status on traditional textile crafts.

**Discipline Specific Elective 3**  
**Basics of Interior Design and Hospitality Management**  
**HSC DSE603**

- CO1:** Understand the objectives of design and recognize the elements and principles of design and their applications.
- CO2:** Demonstrate competency in interior designing.
- CO3:** Understand the significance of hospitality industry.
- CO4:** Demonstrate competency in the use of design fundamentals as principal tools in establishing design criteria and developing the overall design process.

**Skill Enhancement Course 2**  
**NGO Management and CSR**  
**HSC SEC402**  
**Course Outcomes**

- CO1:** Describe and represent concept of NGO
- CO2:** Illustrate Start up of NGO
- CO3:** Know management of NGO and learn the importance of resource mobilization and documentation
- CO4:** Classify problems of NGO