

**DEPARTMENT OF HOME SCIENCE**  
**SEMESTER – VI**

**B.Sc. (Honours) Home Science**

**DISCIPLINE SPECIFIC CORE COURSE**  
**DSC HH 616: Traditional Indian Textiles**

**CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course(if any)
		Lecture	Tutorial	Practical/ Practice		
Traditional Indian Textiles	4	3	0	1	XII Pass	Appeared in Textile Science

**Learning Objectives**

- To create awareness and foster appreciation of the country's rich textile heritage
- To impart knowledge of fundamentals of textile conservation and storage
- To acquaint students about the khadi, handloom and handicrafts sectors and measures taken by various organisations for their sustenance

**Learning Outcomes**

- Recognise and identify embroidered fabrics of different states in terms of stitches and designs
- Explain material and design of selected traditional woven fabrics.
- Describe our heritage of varied dyed, painted and printed fabrics.
- Classify conservation techniques and recognise signs of deterioration of textiles.
- Carry out care and conservation of traditional textiles.
- Provide an insight into the evolution and socio-economic significance of *khadi*, handloom and handicraft sectors.
- Discuss sustenance of traditional textile crafts and interventions by organisations.
- Analyse the textile arts in their historical perspective, the impact of modernisation and their contemporary status.

## SYLLABUS OF DSC HH 616

### THEORY (Credits 3; Hours 45)

#### UNIT I: Study of Textile Crafts of India: with reference to history, production centers, designs, materials, colours and products. **30 Hours**

- Woven Textiles - Banaras Brocades, Jamdanis and Baluchars of Bengal, Kani Shawls of Kashmir, Kanjivarams of Tamil Nadu
- Embroidered Textiles-Kanthas of Bengal, Kasuti of Karnataka, Phulkari of Punjab, Chikankari of Uttar Pradesh, Kashida of Kashmir, Gujarat embroideries
- Painted and Printed textiles –Kalamkaris of Andhra Pradesh, Dabu printing of Rajasthan, Ajrakh printing of Gujarat
- Dyed textiles –Bandhnis of Rajasthan and Gujarat, Ikats- Patola of Gujarat, Bandhas of Orissa, Telia Rumal of Andhra Pradesh

#### UNIT II: Status of Traditional Textiles in Modern India **7 Hours**

- Evolution and socio-economic significance of Khadi, Handloom and Handicraft sector
- Sustenance of traditional textile crafts
- Interventions by organizations

#### UNIT III: Conservation of Traditional Textiles **8 Hours**

- Types of Conservation – Preventive and Curative
- Factors influencing degradation of textiles
- Care and storage techniques

### PRACTICAL (Credits 1; Hours 30)

1.	Resist Dyeing Techniques	<b>10</b>
	• Tie & dye using various techniques on cellulosic and protein fibers	
	• Batik on cotton	
2.	Printing	<b>4</b>
	• Block printing: pigment	
	• Screen printing: pigment	
3.	Embroidery stitches of traditional embroideries	<b>6</b>
4.	Portfolio development-Traditional textile crafts	<b>4</b>
5.	Product development	<b>4</b>
6.	Visit to craft centers/museums: Craft documentation report on any one craft	<b>2</b>

#### Essential Readings:

- Agarwal, O.P., 1977, *Care and Presentation of Museum projects* – II, NRL
- Barnard, N., Gillow, J., 1993, *Indian Textiles*, Thames and Hudson, USA
- Chattopadhyaya, K.D., 1995, *Handicrafts of India*, Wiley Eastern Limited, N Delhi
- Crill, R., 2015, *The Fabric of India*, Victoria and Albert Museum, UK
- Das, Shukla, 1992, *Fabric Art- Heritage of India*, Abhinav Publications, N Delhi.
- Grundy & Northedge, (1998) *Standards in the Museum Care of Costume and Textile*

*Collections*, Museums & Galleries Collection, Spin Offset Limited, Chapter 7-14, pg 35-54

- Mausumi Kar, (2015), *The Indian Textile and Clothing Industry An Economic Analysis*, Springer New Delhi Heidelberg New York Dordrecht London, Chapter 1& 2, pg 12-33.
- Pandit Savitri, 1951, *Indian Embroidery- Its Variegated Charm*, Pandit Publisher, Baroda  
Embroidery tutorials, video links of woven textiles and slide share

**Suggested Readings:**

- Annual Report, (2002-2003), Handloom Industry, Ministry of textiles, Chapter 5, pg 1-20
- Chelna Desai, 1988, *Ikats Textiles of india*, Chronicle Books, India
- Craft Documentaries on Youtube
- Evaluation study on khadi and village industries programme, (2001) Programme evaluation organization planning commission government of India, New Delhi. Chapter 1 & 2, pg 1-9
- Karolia, Anjali, 2019, *Traditional Indian Handcrafted Textiles*, Niyogi Publishers

**Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.**

**DISCIPLINE SPECIFIC CORE COURSE**  
**DSC HH 617: Space Design and Sustainability**

**CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course(if any)
		Lecture	Tutorial	Practical/ Practice		
Space Design and Sustainability	4	3	0	1	XII Pass	Appeared in Personal Finance and Consumer Studies

**Learning Objectives**

- To understand the fundamentals of space planning.
- To acquire knowledge regarding materials, building construction techniques and technologies.
- To comprehend sustainable parameters in space design.

**Learning Outcomes**

- Comprehend the concept of design applicable to interior spaces.
- Understand the application of materials and finishes to create aesthetic and sustainable interiors.
- Comprehend the concept of sustainability and green rating systems.

**SYLLABUS OF DSC HH 617**

**THEORY**  
**(Credits 3; Hours 45)**

**UNIT I: Basic Concepts in Space Planning**

**10 Hours**

This unit will develop understanding regarding the concept of space planning and designing.

- Concept of space as a resource, characteristics of space
- Principles of planning spaces
- Zoning
- Types of houses: Independent houses and Apartments.
- Contemporary Housing - Service Apartments, Senior living.
- Building bye-laws – NBC and MPD

**UNIT II: Construction Features in Building Design**

**15 Hours**

This unit will acquaint students with various elements of building construction important for developing a strong structure.

- Site selection
- Conventional and Non-conventional building materials, sustainable building materials
- Structural components of a building (Material and Types) – Foundation, Walls, Flooring, Roofs, Doors and Windows, Staircase.
- Basic building services
- Landscaping
- Earthquake resistant structures
- Home Automation

### **UNIT III - Concept of Space Design**

**15 Hours**

This unit will introduce students to the area of space design such as elements and principles of design, furniture and furnishings and wall treatment.

- Introduction to Elements and Principles of design
- Concept of Colour in Interior Design - Colour Theories, Colour Psychology, Colour Schemes, Colour Forecasting
- Energy Efficient Lighting Systems
- Furniture - Types, Selection criteria, Arrangement
- Furnishings - Home Furnishing, Window treatment, Floor Coverings
- Wall treatment
- Use of sustainable material in space design

### **UNIT IV: Sustainable built environment**

**5 Hours**

This unit will introduce students to the concept and application of sustainability in built environment.

- Introduction to sustainable built environment
- Green building rating guidelines in India – GRIHA and LEED
- Concept of Smart Cities

### **PRACTICAL (Credits 1; Hours 30)**

1. Introduction to building terminologies, Concept of Scale, building constructions symbols
2. Evaluation of floor plans on the basis of principles of space planning
3. Preparation of floor plans
  - Multipurpose rooms/ studio apartment (Computer aided / manual)
4. Identification and characteristics of different building materials
5. Case study of a Green Building
6. Project on Landscaping / Home Automation

**Essential Readings:**

- Goel S., Seetharaman P. Kakkar, A. (2015). *Manual on Interior space designing*, Elite publishers.
- Goldstein, H. & Goldstein, V. (1988). *Art in Everyday Life (4th ed.)*, Oxford & IBH Publishing Co.
- Indian Green Building Council. (2022). *Introduction to Green Buildings and Built Environment*, BSP Books.
- Kumar, S. (2008). *Building Construction*, Standard Publisher.
- Rao, M.P. (2020). *Interior Design Principles and Practices*, Standard Publishers Distribution.

**Suggested Readings:**

- Duggal S.K. (2017). *Building Materials*. CRC Press.
- Green Rating for Integrated Habitat Assessment (GRIHA). (2021). *GRIHA Manuals*, GRIHA Council.
- Grimley, C. and Love, M. (2018). *The Interior Design Reference & Specification Book*, Rockport Publishers.
- Indian Green Building Council. (2021). *IGBC Manuals*, IGBC.
- Iyer, G. H. (2022). *Green Building Fundamentals*, Notion Press.
- Mitton, M. and Nystuen, C. (2021). *Residential Interior Design: A Guide to Planning Spaces (4th ed.)*, Wiley.
- Singh, G. (2019). *Building Construction and Materials*, Standard Publishers.

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**DISCIPLINE SPECIFIC CORE COURSE**  
**DSC HH 618: Extension for Development**

**CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course(if any)
		Lecture	Tutorial	Practical/ Practice		
Extension for Development	4	3	0	1	XII Pass	Appeared in Communication Systems and Social Change

**Learning Objectives**

- To enable the students to grasp the concept of extension and its role in development.
- To gain knowledge and application of principles and processes involved in Extension Programme Planning and Management including community mobilization and stakeholder participation.
- To understand the principles and process of Extension Programme Design and Management.
- To develop understanding and skills in planning participatory approaches in Extension Programme Management.
- To inculcate a thorough understanding of the dynamic nature of extension programmes based on the changing needs of society as well as critical appraisal of the presently operating extension programs in the country.

**Learning Outcomes**

- Learn about the concept and scope of extension in national development.
- Develop an understanding of the principles and process involved in programme design and management.
- Develop skills for using participatory approaches in programme management.
- Gain knowledge for various development schemes and programmes operating at the national level.

## **SYLLABUS OF DSC HH 618**

### **THEORY (Credits 3; Hours 45)**

#### **UNIT I: Extension: Concept and Principles 9 Hours**

This unit explains the concept of extension and lays thrust on the fundamental concepts of extension applied in national development.

- Extension: concept, goals, philosophy, history and scope
- Types of extension and approaches to Extension
- Principles of Andragogy; Andragogy vs. Pedagogy
- Principles of extension
- Relationship between communication and extension - role of extension in development
- Methods of community contact in Extension

#### **UNIT II: Participation & Leadership for Community Development 12 Hours**

This unit highlights the concept of participation required as a prerequisite in any extension programme and develop skill sin the same.

- Stakeholders in Extension programs
- People's participation and social mobilization in development, levels of participation
- Participatory Learning and Action – concept, principles, classification of tools and techniques
- Leaders in extension – functions, types and leadership styles and theories
- Diffusion of innovation and adoption – concept, theory and application

#### **UNIT III: Programme Management 12 Hours**

This unit emphasizes on the principles and process involved in designing a programme and its management. The unit also strives to give conceptual clarity on project cycle and the different models of extension programme management.

- Project cycle- goals, objectives, indicators, outputs and outcomes
- Concept and Principles of extension program management
- Models of extension programme management - overview of models, Sandhu's model, Logic model
- Monitoring and evaluation

#### **UNIT IV: Development Programmes 12 Hours**

This unit elucidates on the in-depth understanding of the various Extension schemes and programmes initiated by the Government.

- Development issues and goals- national and international perspectives, Sustainable Development Goals
- Contemporary National Development Programmes (related to education, employment, income, health and nutrition, digitalization and women) – objectives, target groups, salient features, monitoring and evaluation, outcomes, stakeholders, partnership and funding

**PRACTICAL**  
**(Credits 1; Hours 30)**

1. Approaches to Adult Education
2. Develop skills in planning and using individual and small group methods in extension
3. Understanding the use of PLA as need assessment tools
4. Assessing the leadership skills in a case-study format

**Essential Readings:**

- Beck, S., 2020, Communication in the 2020s. Routledge.
- Kumar, S., 2002, Methods for community participation: a complete guide for practitioners. Vistaar Publications, New Delhi.
- Ray G.L., 2015, Extension, Communication and Management, Kalyani Publications, New Delhi.
- Sandhu, A S., 2018, Extension Programme Planning. Oxford and IBH Publishers, New Delhi.
- Singh, S., 2022, A Brief Book on Extension Education. New Vishal Publications, New Delhi.
- Singh, A K., 2020, Frontline Extension in India Innovations and Reforms. Biotech Publisher, New Delhi.
- Supe, S V., 2019, An Introduction to Extension Education. Oxford & Ibh Publishing Co. Pvt Ltd, New Delhi.

**Suggested Readings:**

- Bhatnagar. O.P & Dahama, O.P., 2009, Education and Communication for Development 2ed. Oxford & IBH Publishing Co. Pvt Ltd, New Delhi.
- Dale R., 2004, Evaluating Development Programmes and Projects. Sage Publications, New Delhi.
- Kumar & Hansra, 2000, Extension Education for Human Resource Development. Concept Publishing Company, New Delhi.
- Mikkelsen, B., 2002, Methods for Development Work and Research. Sage Publications, New Delhi.

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