

UNIVERSITY OF MUMBAI



Program: B.Sc.

Course: Interdisciplinary Sciences with Home Science

(Branch IV Community Resource Management)

(Credit Based Semester and Grading System
with effect from the academic year 2014–2015)

Preamble

Home Science, a part of the Faculty of Sciences, is an inherently interdisciplinary sphere of knowledge. An education in Home Science contributes to the holistic development of individuals, especially designed for young women. Home Science education is life oriented, career oriented and community oriented. The Ad-hoc Board of Studies in Home Science presents the modules for B.Sc. (Interdisciplinary Sciences with Home Science) that will be offered to students who enrol for the B.Sc. (Interdisciplinary Sciences with Home Science). The purpose is to increase access to basic home science education for students across varied science faculties by imparting life-, career and community oriented skills to face challenges in life. Since Home Science is composed of four different specializations namely Foods Nutrition and Dietetics, Human Development, Textile and Fashion Technology and Community Resource Management, two home science modules under each specialization (i.e. eight modules) are being proposed that can be offered across the first four semesters. The following are the two modules under Branch IV Community Resource Management.

Module Code	Title	Internal Assessment	Semester End Examination	Total marks	Credits
BRANCH IV:COMMUNITY RESOURCE MANAGEMENT					
USIDHSIV1	RESIDENTIAL PLANNING	40	60	100	3
USIDHSIV2	RESIDENTIAL PLANNING AND FURNISHING	40	60	100	3

Module Code	Title	Internal Assessment	Semester End Examination	Total marks	Credits
USIDHSIV1	RESIDENTIAL PLANNING	40	60	100	3

Objectives

- To familiarize students to various building materials used in construction.
- To enable students to select appropriate materials for different surfaces
- To get an insight into a variety of furniture, lighting, furnishings suitable for interiors.
- To be aware of the various household services

Course Content		Periods	Credits
Unit I	Basic Principles of Residential Space Planning Orientation: Sun, Wind and Rain, Aspect, Prospect, Privacy, Grouping, Roominess Flexibility, Circulation, Light and Ventilation ,Furniture Arrangements, Sanitation, Other practical considerations	15	3
Unit II	Introduction to Building Construction and Interior Design Definition of a building, Types, Basic components, Requirements of parts of buildings Structural Design Introduction to Building Materials Building Stones, Clay Products, Cement, Concrete, Mortar, Timber, Plywood, Plastics, Glass, Paints, Ferrous and Non - ferrous Metals, Gypsum, Adhesives or Glues	15	
Unit III	Components of a Building Walls, Floors, Windows and Ventilators, Doors, Stairs, Roofs, Lintels Planning of Rooms Space requirements, Furniture needed, Factors influencing Furniture Arrangement, Types of Furniture, Ergonomical Considerations, Human space needs, Lighting requirements for different activities, Ventilation and Indoor air quality, Noise Control	15	

References

- Allen, P. S. (1985). Beginnings of Interior Environment (5thed).Macmillan Publishing Co. London.
- Clifton. C., Moggand Paine M. (1988).The Curtain Book.Reed International books. New York.
- Craig. H. T. (1987). Homes with Character. Glencoe Publishing Co. Inc. U.S.A.
- Faulkner, S. (1975). Inside Today's Home.CBS College Publishing. New York
- Gilliat M. (1986). The Decorating Book. Library of Congress Cataloguing Publications, Great Britain.
- Kumar, S. (2008).Building Construction. Standard Publishers and Distributors, Delhi.
- Rao, R. andSubrahmanyam, Y. (2007). Planning and Designing of Residential Buildings. Standard Publishers and Distributors. Delhi.
- Rao. P. M. (2008). Interior Design – Principles and Practice.Standard Publishers and Distributors, Delhi.

Module Code	Title	Internal Assessment	Semester End Examination	Total marks	Credits
USIDHSIV2	RESIDENTIAL PLANNING AND FURNISHING	40	60	100	3

Objectives

- To familiarize students to various surface finishes used in interiors.
- To enable students to select appropriate materials for different surfaces
- To get an insight of the professional aspects of Interior Design.
- To be aware of the various household services

Course Content		Periods	Credits
Unit I	Financial Considerations in Housing Factors affecting the cost of a house, Purchase of a plot for House and Apartment Construction, Housing decisions, Ownership Vs. Rental, Ready Accommodation Vs. Construction, Finance: Loans, Mortgages, Self-finance institutions, agencies offering finance Residential Lighting: Natural and Artificial lighting	15	3
Unit II	Interior Finishes, Furnishings and Accessories Ceiling, Walls, Doors and Windows, Flooring, Furniture, Accessories	15	
Unit III	Residential Services: Electricity, Plumbing, Sewerage, Environmental considerations Interior Design - Professional Aspects: Setting up a Professional Practice, Estimates and Tenders, Building Rules and Regulations, Interior Design terminology used in practice	15	

References

- Allen, P. S. (1985). Beginnings of Interior Environment (5thed). Macmillan Publishing Co. London.
- Clifton. C., Moggand Paine M. (1988). The Curtain Book. Reed International books. New York.
- Craig. H. T. (1987). Homes with Character. Glencoe Publishing Co. Inc. U.S.A.
- Faulkner, S. (1975). Inside Today's Home. CBS College Publishing. New York
- Gilliat M. (1986). The Decorating Book. Library of Congress Cataloguing Publications, Great Britain.
- Kumar, S. (2008). Building Construction. Standard Publishers and Distributors, Delhi.
- Rao, R. and Subrahmanyam, Y. (2007). Planning and Designing of Residential Buildings. Standard Publishers and Distributors. Delhi.
- Rao. P. M. (2008). Interior Design – Principles and Practice. Standard Publishers and Distributors, Delhi.

Scheme of Examination

The performance of the learners shall be evaluated into two parts. The learner's performance shall be assessed by Internal Assessment (40% marks) and by conducting the Semester End Examinations (60% marks). The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below:-

Internal assessment for Theory 40 %

Sr. No.	Evaluation type	Marks
1	One class test/ case study / online examination to be conducted in the given semester	20
2	One assignment based on curriculum to be assessed by the teacher concerned	10
3	Active participation in routine class instructional deliveries	05
4	Overall conduct as a responsible learner, communication and leadership qualities in organizing related academic activities	05

Semester End Theory Examination of 60 marks (three unit courses)

Duration: These examinations shall be of two and half hours duration.

Theory question paper pattern:

- There shall be four questions each of 15 marks. On each unit there will be one question and first question will be based on entire syllabus.
- All questions shall be compulsory with internal choice within the questions. Each question will be of 30 marks with options.
- Questions may be sub divided into sub questions as a, b, c, d and e, etc and the allocation of marks depends on the weightage of the topic.

Standard of Passing is as per the ordinances set by the University of Mumbai for the Credit based Semester and Grading System for the undergraduate courses.

The course and its content is prescribed, as per the directives of the Faculty of Science, by the Members of the Ad-hoc Board of Studies in Home Science, affiliated by the University of Mumbai and by the steering committee of Dr. Vishaka Karnad Chairperson, Ad-hoc Board of Studies in Home Science, Dr. Perpetua Machado (Principal), Dr. Geeta Ibrahim (Head, Branch I: Foods Nutrition and Dietetics, Dr. Anuradha Bakshi (Head, Branch II: Human Development), Dr. Ela Dedhia (Head, Branch III: Textile and Fashion Technology) Ms. Sunita Jaiswal (Coordinator, Branch IV: Community Resource Management)