

SNDT Women's University

Department of Family Resource  
Management

Master's Program in  
Resource Management & Interior Design  
(Revision 2015-2020)



## **SNDT Women's University**

### **Department of Family Resource Management**

#### **Master's Program in Resource Management & Interior Design**

##### **Program Name : Master's in RESOURCE MANAGEMENT & INTERIOR DESIGN**

The Masters in Resource Management & Interior Design give you all the training and skills you need to create a beautiful and comfortable interior space may be a residential or commercial space. The Program has \_\_\_\_ courses spread over four Semesters and the duration of the entire program is two years. Each Semester is on a average 14-16 weeks with 90 days of teaching before the scheduled Semester Exams.

##### **Course outcome**

The Courses are designed with Modules which have been designed to be read sequentially and will help building your knowledge to enable you to design the space both residential or commercial. There are assignments, work exercises (layout plan, Elevations, Perspectives), Market survey, and presentations through participation and interaction that you will learn to feel confident and find your creative voice. Each student is given the same space for designing, and is required to upload the floor plan and other detail plans exhibiting the creative side in you.

Each Courses has an outcome which is expressed after the syllabus of each courses Module, the number of units under each and pattern of evaluation for Internal and External Assessment. This is applicable to both Theory & Practical's courses.

##### **Learning outcome -**

Upon completion of this Master's Program in Resource Management & Interior Design the student will be able to reliably demonstrate the ability to use the knowledge and skill acquired during the program over four semesters.

##### **Eligibility-**

The Applicant is required to visit University Website for eligibility of the Program, some General Eligibility and Programme specific eligibility are mentioned. Kindly note that University updates the Revised Eligibility before the New Academic year.

##### **Eligibility for MSc Resource Management and Interior Design**

Minimum 50% percent or B grade for students with BSc Resource Management, B Design, BSc Family Resource Management, BSc Home Economics, BSc General Home Science, BSc Composite Home Science, BSc Family and Community Sciences. Minimum 50% or B grade for students with BSc Physiology, BSc Life Sciences, BSc Biology.

NOTE: Those who have done BSc Home Economics, BSc General Home Science, B.Sc. Composite Home Science, B.Sc. Family and Community Sciences should have passed Elementary and Intermediate Drawing examinations.

***Expectations from the Students-***

***1) All students selected for the Program are expected to attend Classes (online/offline) with 75% for theory and 80% for practicals.***

***2) Only 10% Medical leave will be considered provided the student has reported to the Department on email about sickness and on reporting back after recovery is expected to submit the medical certificate of leave & fitness.***

***3) Students need to submit the Assignment on time in case unable to submit on time then prior approval from the respective teacher.***

**Master's Program in Resource Management & Interior Design  
(New Course : -15)**

**2 Years Program**

**Total Credits - 96 Cr (Each Semester-24Credits)**

**SEMESTER-I**

<b>Code No</b>	<b>Core Courses</b>	<b>Exam</b>	<b>Total Credits</b>	<b>Th-Cr</b>	<b>Pr-Cr</b>	<b>Int M</b>	<b>Ext M</b>	<b>Total Marks</b>
20101	Environmental Studies (Th)	U	4	4	-	50	50	100
20102	Construction & Materials-1 (Pr)	C	4	-	4	50	50	100
20103	Residential Interiors Space Design (Th)	U	4	4	-	50	50	100
20104	Residential Interiors Space Design (Pr)	U	4	-	4	50	50	100
20105	Human Resource Management (Th)	U	4	3	1	50	50	100
20191	<b>Elective-I</b> : Environmental Studies - (Pr)	C	4	-	4	50	50	100
	<b>Total</b>		<b>24</b>	<b>11</b>	<b>13</b>	<b>300</b>	<b>300</b>	<b>600</b>

**SEMESTER-II**

Code No	Courses	Exam	Total Credits	Th-Cr	Pr-Cr	Int M	Ext M	Total Marks
00201	Research Methods & Statistics I	U	4	3	1	50	50	100
20201	Computer Applications in Interior Designing (Pr)	C	4	3	1	50	50	100
20202	Construction & Materials-II(Pr)	C	4	-	4	50	50	100
20203	Commercial Interior Space Design (Theory)	U	4	4	-	50	50	100
20204	Commercial Interior Space Design (Pr)	U	4	-	4	50	50	100
20291	<b>Elective-II:</b> Financial Management	C	4	2	2	50	50	100
	Total		24	12	12	300	300	600

**SEMESTER-III**

Code No	Courses	Exam	Total Credits	Th-Cr	Pr-Cr	Int Cr/M	Ext Cr/M	Total Marks
00301	Research & Statistics Applications	U	4	3	1	50	50	100
20302	Landscape Design (Pr)	C	4	4	-	50	50	100
20303	Working Drawing (Pr)	U	4	-	4	50	50	100
20304	Organizational Behaviour	U	4	3	1	50	50	100
20305	Services & Specialised Services (Pr)	U	4	-	4	50	50	100
20391	<b>Elective -III :</b> Entrepreneurship Management	C	4	2	2	50	50	100
	Total		24	12	12	300	300	600

**SEMESTER-IV**

Code No	Courses	Exam	Total Credits	Th-Cr	Pr-Cr	Int Cr/M	Ext Cr/M	Total Marks
00401	Dissertation	U	8	-	8	100	100	200
00402	Internship	C	8	-	8	100	100	200
20403	Professional Practices (Theory)	U	4	4	-	100	-	100
20491	<b>Elective-IV :</b> Indoor Landscaping & Designing	C	4	-	4	50	50	100
	Total		24	4	20	350	350	600

**SEMESTER: I**

**Course: Environmental Studies (Theory)**  
**Credit-4**

**Code no: 20101**

**Objectives:**

The student learns -

1. To create new patterns of behavior among individuals, groups and society as a whole towards environment.
2. To provide every person with opportunities to acquire the knowledge, values, attitude, commitment and skills needed to protect and improve environment
3. To understand the sources and effects of different types of pollutants in air, water, soil and noise pollution.
4. The need to prevent pollution and conserve the environment biodiversity
5. Learns to promote sustainability.

**Contents:**

<b>Module No</b>	<b>Topic and Details</b>
<b>1</b>	<b>Natural Resources &amp; Ecosystems</b>
	<b>The Multidisciplinary Nature of Environmental Studies-</b> <ul style="list-style-type: none"> <li>• Definition, Scope and Importance, Need for Public Awareness</li> </ul>
	<b>Natural Resources</b> <ul style="list-style-type: none"> <li>• Introduction- Renewable and Non- Renewable Resources</li> <li>• Natural Resources and its Problems</li> <li>• Non- Renewable Resources</li> <li>• Renewable Resources- Forest, Water, Mineral, Food, Energy, Land Resources</li> <li>• Role of an individual in Conservation of Natural Resource and Need for Sustainable Lifestyle.</li> </ul>
	<b>Ecosystems</b> <ul style="list-style-type: none"> <li>• Concepts of an ecosystems, its role and function, identifying causes of degradations, utilization patterns.</li> <li>• Role of Producers, Consumers and Decomposers</li> <li>• Energy Flow in Ecosystems (Different Cycles- Water, Carbon, Oxygen, Nitrogen, Energy</li> <li>• Ecological succession – (Food chain, Food Web &amp; Ecological Pyramids)</li> <li>• Types of Ecosystems- (Forest, Grasslands, Desert, Aquatic etc.)</li> </ul>
	<b>Biodiversity &amp; its Conservation</b> <ul style="list-style-type: none"> <li>• Introduction to biodiversity, its values and role</li> <li>• Hot spots of Biodiversity at local, state level, National and Global level</li> <li>• Threats to Biodiversity- (Habitat loss, Poaching of Wildlife, Man-wildlife conflicts)</li> <li>• Endangered Species &amp; Need to Conservation of Biodiversity</li> </ul>
	<b>Assignments for the module:</b> <ol style="list-style-type: none"> <li>1. Individual- Project on Natural Resources and Eco system</li> <li>2. Group Project Awareness on Wildlife and endangered Species</li> </ol>

<b>2</b>	<b>Environmental Pollution</b>
	<b>Introduction to Environment Pollution</b> <ul style="list-style-type: none"> <li>• Definition, Scope and Importance</li> <li>• Need for Public Awareness</li> </ul>
	<b>Causes, Effect &amp; Control Measures of various Environment Pollution</b> <ul style="list-style-type: none"> <li>• Air Pollution ,Water Pollution, Soil Pollution</li> <li>• Marine Pollution, Noise Pollution, Thermal Pollution</li> <li>• Nuclear Hazard</li> </ul>
	<b>Solid Waste Management ( SWM)</b> <ul style="list-style-type: none"> <li>• Causes OF SWM.</li> <li>• Effects of SWM</li> <li>• Control Measures of SWM</li> <li>• Disposal of Solid Waste</li> </ul>
	<b>Role of Individuals in Pollution Prevention</b> <ul style="list-style-type: none"> <li>• Case study of successful Preventive measures- at individual, society or community level, values and role at local, national and international level</li> <li>• Disaster Management ( Floods, Earthquakes, cyclones, landslides etc.)</li> </ul>
	<b>Assignments for the module:</b> <ol style="list-style-type: none"> <li>1. Individual- Case Study on any two of the pollution at local , national and global level</li> <li>2. Group Project Awareness on SWM</li> </ol>
<b>3</b>	<b>Social Issues and Environment</b>
	<b>Transition from Unsustainable to Sustainable Development</b> <ul style="list-style-type: none"> <li>• Definition, Scope and Importance</li> <li>• Need for Public Awareness</li> </ul>
	<b>Problems on Environment Issues at Urban and Rural Levels</b> <ul style="list-style-type: none"> <li>• Resettlement and Rehabilitation</li> <li>• Causes of migration, and its effect on environment</li> <li>• Impact of Climate Change, Global warming, Acid Rain, Ozone Layer Depletion Nuclear</li> <li>• Accidents</li> <li>• Wasteland Reclamation</li> </ul>
	<b>Water Conservation, Rainwater Harvesting, Watershed Management</b>  <b>Environmental Ethics – Possible solutions</b> <ul style="list-style-type: none"> <li>• Consumption pattern of different Resources.</li> <li>• Issues on Equality between Urban and Rural, Gender Equality, Availability and Wastage</li> </ul> <b>Environment Laws &amp; Acts</b>
	<b>Assignments for the module:</b> <ol style="list-style-type: none"> <li>1. Individual- Case Study on Sustainable development at local , national and global level</li> <li>2. Group Project – Comparison on Consumption Pattern &amp; Awareness in Rural and Urban areas.</li> </ol>

<b>4</b>	<b>Human Population and Environment</b>
	<b>Population and Depleting Environment</b> <ul style="list-style-type: none"> <li>• Population Growth, Variation, Cause and Effect</li> <li>• Population Explosion</li> </ul>
	<b>Environmental Impact on Human Health</b> <ul style="list-style-type: none"> <li>• Environment &amp; Health</li> <li>• Climate &amp; Health</li> <li>• Infection and Disease</li> <li>• Water –borne Disease</li> <li>• Risk due to Chemicals in Food</li> <li>• Cancer, HIV, AIDS and Environment</li> </ul>
	<b>Role of Conservation of Environment</b> Value Education & Human Rights <ul style="list-style-type: none"> <li>• Women &amp; Child Welfare</li> <li>• Role of Information Technology in Environment and Human Health</li> </ul> Public Awareness
	<b>Assignments for the module:</b> <ol style="list-style-type: none"> <li>1. Individual- Project on Human Health</li> <li>2. Group Project Awareness on Environment issues</li> </ol>

**References :**

1. Abbasi, S.A. and Abbasi, N. (1996): Water and Water Pollution; Enviro Media, Karad, India.
2. Agarwal, K.C. (2001): Environmental Pollution: Causes, Effects and Control, Nidhi Publishers (India), Bikaner.
3. Bhatia, H.S. (1998): A Text Book on Environmental Pollution and Control, Galgotia Publications Pvt. Ltd., New Delhi.
4. Dara, S.S. (1993): Environmental Chemistry and Pollution Control, S. Chand and Company Ltd., New Delhi.
5. De. A.K. (2000) Environmental Chemistry, New Age International Pvt. Ltd. Publishers, New Delhi.
6. Harrison, R.M. (1990): Pollution: Causes, Effects and Control, The Royal Society of Chemistry, U.K.
7. Mido, Y., Iqbal, S.A., Satake, M., Sethi, M.S. (1995): Chemistry of Air and Air Pollution, Discovery Publishing House, New Delhi.
8. Peirce, J.J. (1998): Environmental, Pollution and Control, Butterworth-Heinemann, USA.
9. Satake, M. and Mido, Y. (1994): Environmental Chemistry, Discovery Publishing House, New Delhi.
10. Sindhu, P.S. (2002): Environmental Chemistry, New Age International Pvt. Ltd. Publishers, New Delhi.
11. Sodhi, G.S. (2000): Fundamental Concepts of Environmental Chemistry, Narosa Publishing House, New Delhi.
12. Trivedi, R.K. and Goel, P.K. (1995): An Introduction to Air Pollution, ABD Publishers, Jaipur, India.
13. Kiran .B. Chhokar, Mamata Pandya, Meena Raghunathan (2004) : Understanding Environment, Center for Environment Education, Sage Publications.

14. Sharma.V.N, Chatterjee M, (2004), The Simplest Text book on Environmental Studies, Chetana Publications Pvt.Ltd
15. Kathryn Hilgenkamp ( 2006) Environmental Health- Ecological Perspectives, Jones and Bartlett Publishers
16. Abbasi, S.A.andAbbasi, N. (1996): Water and Water Pollution, Enviro Media, Karad, India
17. International Encyclopedia Ecology & Environment.

### **SEMESTER: I**

**Course: Construction & Materials (Furniture Design) –I (Pr) Code no: 20102**  
**Credits- 4**

**Objectives-** This course will enable students to:

1. To make the students aware of the different type of construction materials used in Interiors.
2. To know about the type of structural systems and different type of techniques used in construction.
3. To learn about the properties, trends and usability of the material, and its cost.

### **Contents: PRACTICAL**

<b>Block. No.</b>	<b>Topic and Details</b>
1.	Construction details of Single bed with side table Wardrobe Design
2.	Wall units Study tables
3.	Kitchen Platform
4.	Documentation of 15 materials used in Interior Design- Individual project followed by group presentation, class room discussion.
	<b>TOTAL</b>

### **REFERENCES-**

1. Diwan S (1999): Sanskruti- A manual of Interior Design.
2. R Barry, The Construction of Building Vol. I, ELBS Publication.
3. R Barry, The Construction of Building Vol, II, ELBS Publication.
4. R Barry, The Construction of Building Vol. IV, ELBS Publication.
5. S.P.Arora&Bindra, Text book on Building, DhanpatRai& Sons.
6. Rangwala S.C, Building Construction, Charotta Pub, Anand
7. B.C. Purnima, Building Construction, Laxmo Publication.
8. Sushil Kumar, Building Construction, Laxmo Publication.
9. Francis D.K.Ching, Building Construction Illustrated., Van Nortrand
10. D.A.C.A. Boyne, Architect's Working Detail Vol. I-V, The Architectural Press Ltd. London.
11. D.A.C.A. Boyne, Architect's Working Detail Vol. VIII, The Architectural Press Ltd. London



12. D.A.C.A. Boyne, Architect's Working Detail Vol. X, The Architectural Press Ltd. London

### SEMESTER: I

**Course:** Residential Interior Space Design (Theory) **Code no :** 20103 **Credits-** 4

**Objectives:** The Student:

1. Gains knowledge of planning principles for designing residential interior spaces.
2. Knows application of ergonomic considerations in designing residential interior spaces.
3. Learns interior designing for special population (senior citizens, physically challenged and children)

### CONTENTS:

Module. No.	Topic and Details
1	<p><b><i>Introduction to designing residential interior spaces</i></b></p> <ol style="list-style-type: none"> <li>1. Purpose of designing residential interior spaces</li> <li>2. Considerations for designing residential interior spaces: big and small</li> <li>3. Criteria for planning a house <ul style="list-style-type: none"> <li>• Orientation</li> <li>• Grouping of rooms</li> <li>• Circulation between and within the rooms</li> <li>• Flexibilities</li> <li>• Privacy</li> <li>• Roominess</li> <li>• Light and ventilation</li> <li>• Services</li> <li>• Aesthetics</li> <li>• Cost</li> </ul> </li> </ol>
	<b>Structural Systems</b>
2	<b>Factors contributing to selection of furniture and furnishing : climate, needs and preferences, availability of materials, cost etc.</b>
3	<b>Ergonomic principles, its importance and application in designing residential interior spaces with focus on special population</b>
	<p><b>Anthropometric data</b></p> <ul style="list-style-type: none"> <li>• Relation of human body measurements to furniture design and work station design</li> <li>• Study of body postures and its importance in designing work spaces</li> </ul>
4	<b>Interior spaces in focus on special population- Needs, Problems identification, Existing layout, Propose layout which is User friendly.</b>

**References:**

1. Alexander, N.S. and McCourt, B. (1972): Designing Interior Environment, Havanovich Inc.
2. Ball V.K.: The Art of Interior Design; TheMacmilan and Co., New York.
3. Chudley, R. (1978): Construction Technology; Vol. 1 to 4, ELBS and Longman Group Ltd.
4. Grandjean, E. (1978): Ergonomics of the Home, Taylor and Francis Ltd., London.
5. Kasu, Ahmed Abdullah, (1992): An introduction to art craft technique, science and profession of interior design; Bombay: Iquara Publications.
6. Panero, J. and Zelink, M. (1979): Human Dimensions and Interiors Spaces; Whitney Library of Design, New York.
7. Steidle, R. and Braton, E.C. (1968): Work in the Home; John Wilen& sons, London.
8. 8. Design 02, Residential Space I, JuzhuKongjan
9. 9 Design 09, Residential Space III, JuzhuKongjan
10. ShenzhenNanhir Art Design Co./ed, RS 03 Residential Space III, JuzhuKongjan
11. Thames & Hudson, Living Large in Small Spaces, Thames 7 Hudson
12. Aurora Cuito, New small homes, Loft Publications. S.I.
13. Ruth Pretty, The Ultimate Interior Designer, Ward Lock
14. Stephen Cratti, Making the Most of Small Spaces, Images Publishing Group. Pvt. Ltd
15. James Grayson Trulove, Studio Appartments, James Grayson Trulove

**SEMESTER: I**

**Course: Residential Interior Space Design (Pr) Code no: 20104**  
**Credits- 4**

**Objectives:**

The Student:

1. Becomes aware of planning principles for designing residential interior spaces.
2. Knows ergonomic considerations in designing residential interior spaces.

**CONTENTS:**

<b>Block. No.</b>	<b>Topic and Details</b>
1	Interior Designing layout of small ( 60 -80 m2 ) residential interior space .
2	Floor Plan, Elevations, Ceiling layout, Electrical layout, Drainage layout, Perspectives, Colour Scheme, material selected of the given project
3	Survey of existing residential space , continuous assessment of different needs of the users group, conceptualization of design with reference to space, purpose and User needs i.e., Client Profile and requirements, while planning the furniture layout and selection of materials for the design.
4	Interior Designing layout of large (100-150 m2) interior spaces
5	Floor Plan, Elevations, Ceiling layout, Electrical layout, Drainage layout, Perspectives, Colour Scheme, material selected of the given project.
6	Survey of existing residential space , continuous assessment of different needs of the users group, conceptualization of design with reference to space, purpose and User needs ie. Client Profile and requirements ,while planning the furniture layout and selection of materials for the design.
5	Application of Ergonomics in Designing interiors for special population.- Field Case Study- Student takes up a case study of any one type of special population, identifies the difficulties and problems of the special population subject in their home and documents it with photographs or video, describes in the words and draws the existing plan, elevation and view. Student to propose a new layout to overcome the difficulties of the user and suggest materials for the same after studying its properties.

**SEMESTER: I****Course: Human Resource Management (Theory)****Code no : 20105****Credits- 4****Objectives:**

The Student is:-

- Conversant with the nature and fundamentals of human resources.
- Able to apply different methods in managing human resources.
- Competent in hiring employees and deciding employee remuneration.
- Proficient in motivating and maintaining employees.
- Capable of developing industrial relations.

<b>Module No</b>	<b>Topic and Details</b>
<b>1</b>	<p><b>Introduction to Human Resource Management</b></p> <ul style="list-style-type: none"> <li>• Nature, scope and significance of HRM</li> <li>• Functions and Objectives of HRM</li> <li>• Organization of HR Department</li> <li>• Principles and policies of HRM</li> <li>• HRM Model</li> </ul>
	<p><b>Human Resource Development</b></p> <ul style="list-style-type: none"> <li>• Significance, concept &amp; scope of HRD</li> <li>• Need for HRD, objectives and techniques of HRD</li> <li>• Functions and Attributes of HRD manager</li> <li>• Communication skills and organizational development</li> </ul> <p><b>Employee Training</b></p> <ul style="list-style-type: none"> <li>• Meaning of employee training and assessment of training needs</li> <li>• Training methods, training procedures and advantages of training</li> <li>• Evaluation of training programs</li> </ul>
	<p><b><u>Practical</u></b></p> <ol style="list-style-type: none"> <li>1. Interview existing HR Manager in any medium/large (MN) Industry, Identify and understand his/her role, duties responsibilities and the nature of his job.</li> <li>2. Organize guest lectures and speeches of HR Managers on current topics</li> <li>3. Carry out a survey (industry wise) to understand the type of training required and implemented in various sectors; also how to assess the need for training programs.</li> <li>4. Interview the employer, the trainer and the employee who received training for the benefits (if any) from such training programs.</li> </ol>
<b>2</b>	<p><b>Nature of human resource planning and placement</b></p> <p><b>Human Resource Planning</b></p> <ul style="list-style-type: none"> <li>• Meaning, objectives and benefits of HR planning</li> <li>• Process of HR planning</li> <li>• Problems of HRP Factors affecting and recent trends in HRP</li> </ul>

	<p><b>Job design and Job Analysis</b></p> <ul style="list-style-type: none"> <li>• Meaning and approaches to job design</li> <li>• Factors affecting job design</li> <li>• Purpose and process of job analysis</li> <li>• Problems of job analysis</li> <li>• Uses and recent developments in job analysis</li> </ul>
	<p><b>Recruiting Human Resources</b></p> <ul style="list-style-type: none"> <li>• Need, Objectives and importance of recruitment</li> <li>• Recruitment policy and strategy, Recruitment process</li> <li>• Traditional and modern sources and techniques of recruitment</li> <li>• Factors affecting recruitment</li> <li>• Alternatives to recruitment</li> </ul>
	<p><b>Selecting Human Resources</b></p> <ul style="list-style-type: none"> <li>• Role, nature and definition of selection</li> <li>• Organization for selection</li> <li>• Process of selection</li> <li>• Factors affecting selection and Barriers to effective selection</li> </ul>
	<p><b>Inducting and Placing New Hires</b></p> <ul style="list-style-type: none"> <li>• Nature, purpose and different stages of orientation process</li> <li>• Employee orientation programs, evaluation and problems</li> <li>• Placement-meaning and problems</li> </ul>
	<p><b><u>Practical</u></b></p> <ol style="list-style-type: none"> <li>1. Drafting of job description and job specification – (education, responsibilities, tasks tools and equipment, working conditions,, experience skill and ability)</li> <li>2. Analyzing the man power need of an organization from the “vacancy advertisements” in the media</li> <li>3. Designing a job –Assuming the needs of an organization in a particular desired skill set</li> <li>4. Compiling a list of recruitment agencies and to understand the nature of work in those agencies</li> <li>5. Designing application blank for the recruitment purpose</li> <li>6. Internet search; finding various job search sites</li> <li>7. Conducting mock tests and mock interviews</li> <li>8. Designing vacancy position advertisements</li> <li>9. Designing and organizing induction programs for new comers in the college/institute. (Regarding your own institute/college activities facilities etc</li> </ol>
<b>3</b>	<b>Appraising and managing performance</b>
	<p><b>Performance Appraisal</b></p> <ul style="list-style-type: none"> <li>• Meaning and need for performance appraisers and appraisal</li> </ul>

	<ul style="list-style-type: none"> <li>• Process of performance appraisal</li> <li>• Methods of performance appraisal Modern methods (BARS, assessment center MBO, HRA, Psychological appraisals) Sensitivity training and management grid</li> <li>• Uses and purposes of performance appraisal, Potential appraisal</li> <li>• Challenges in performance appraisal</li> <li>• Edward Deming's view on performance appraisal</li> </ul>
	<p><b>Job Evaluation</b></p> <ul style="list-style-type: none"> <li>• Meaning definition and objectives of job evaluation</li> <li>• Difference between job evaluation and performance appraisal</li> <li>• Principles and Procedure of Job Evaluation</li> <li>• Problems of Job Evaluation</li> <li>• Alternative to job evaluation</li> </ul>
	<p><b><u>Practical</u></b></p> <ol style="list-style-type: none"> <li>1. Collect information from various organizations regarding their performance appraisal procedures</li> <li>2. Group discussions on case studies to understand the concept and application of performance appraisal and job evaluation</li> </ol>
<b>4</b>	<b>Managing remuneration and career planning</b>
	<p><b>Employee Remuneration</b></p> <ul style="list-style-type: none"> <li>• Components of employee remuneration</li> <li>• Theories of employee remuneration</li> <li>• Influencing factors of remuneration</li> <li>• Remuneration plans, challenges of remuneration</li> </ul> <p>Concept of wages</p> <ul style="list-style-type: none"> <li>• Definitions and Concepts of wage and Salary Administration and their Objectives</li> <li>• Role of reward system, Factors affecting wage/salary levels</li> <li>• Wage Boards and Pay Commissions</li> <li>• Wage Incentive, profit sharing, Bonus and Managerial Compensation</li> <li>• Meaning and Objectives of Fringe Benefits, Non- Monetary Rewards</li> </ul>
	<p><b>Employee Remuneration</b></p> <ul style="list-style-type: none"> <li>• Components of employee remuneration</li> <li>• Theories of employee remuneration</li> <li>• Influencing factors of remuneration</li> <li>• Remuneration plans, challenges of remuneration</li> <li>• Concept of wages</li> <li>• Definitions and Concepts of wage and Salary Administration and their Objectives</li> <li>• Role of reward system, Factors affecting wage/salary levels</li> <li>• Wage Boards and Pay Commissions</li> <li>• Wage Incentive, profit sharing, Bonus and Managerial Compensation</li> <li>• Meaning and Objectives of Fringe Benefits, Non- Monetary Rewards</li> </ul>

	<p><b><u>Practical</u></b></p> <ol style="list-style-type: none"> <li>1. Group discussions on case studies to understand the concept and application of these topics, Role play</li> <li>2. Collect information from various organizations by way of survey regarding-fringe benefits, wages, and salary patterns.</li> <li>3. Use methods of job evaluation to design wage and salary structure of a fictitious organization.</li> </ol>
--	---

**References:**

1. Ashwathappa, K. (2004) Human Resource and Personnel Management, 3<sup>rd</sup> edition Tata McGraw Hill Publication,.
2. Bratton, J. & Gold, J (1999) Human Resource Management Theory and Practice, London, MacMillan Business.
3. Bhambra , A. (1999), Nature of Human Resource Management, New Delhi, Commonwealth Publishers.
4. Publishers.
5. Rao, S. (2002) Personnel and Human Resource Management, Himalaya Publishing House.
6. Armstrong, M. (1992): A Handbook of Human Resource Management, New Delhi, Adity Books Pvt Ltd
7. Chopra, R.K. (2001): Management of Human Resources. Allahabad, KitabMahal.
8. Dessler, G. (2001): Human Resource Management. New Delhi, Prentice Hall.
9. SubbaRao, P. (2002): Personnel and Human Resource Management, Himalaya Publishing House.

**SEMESTER: I**

**Course:** Environment Studies (Pr) ELECTIVE CBCS  
20191 **Credit-4**

**Code no:**

**(Eco-Friendly Interiors Design (Pr))****Objectives:**

The Student:

1. Role of eco- friendly materials in Interior Design.
2. Develops skills in designing and minimizing waste generated on site.
3. New Product from old products or materials

**Content**

<b>Block. No.</b>	<b>Topic and Details</b>
<b>1</b>	<b>Environmental Issues-</b> <ul style="list-style-type: none"> <li>• Global environment- Air pollution and the change in Earth's atmosphere</li> <li>• Water pollution and depletion</li> <li>• Land and Soil degradation and Pollution</li> </ul>
<b>2</b>	<b>Indoor Environment-</b> <ul style="list-style-type: none"> <li>• Indoor Air Pollution</li> <li>• Ventilation</li> <li>• Health effects on Users indoor air pollution</li> </ul>
<b>3</b>	<b>Interior Design Process-</b> <ul style="list-style-type: none"> <li>• Need for resource Conservation and pollution prevention</li> <li>• Energy Efficiency and Conservation</li> <li>• Water Conservation</li> <li>• Conservation of other resources</li> </ul>
<b>4</b>	<b>Indoor Air Quality-</b> <ul style="list-style-type: none"> <li>• Sources of pollution, Impact of finishes materials and poor maintenance.</li> <li>• Role and selection of indoor plants</li> </ul>
<b>5</b>	<b>Materials and Products-</b> <ul style="list-style-type: none"> <li>• Life Cycle Analysis of Synthetics verses natural material- Wood products, Plastics, Textiles, Leather, Floor coverings, Paints and Adhesives etc</li> </ul>
<b>6</b>	<b>Green Building Concept- Need, Sustainable Living, Healthy Practices</b>
<b>7</b>	<b>Case Studies Documentation for Eco –Friendly Materials Presentation Any materials</b>



**SEMESTER-II**

Code No	Courses	Exam	Total Credits	Th-Cr	Pr-Cr	Int M	Ext M	Total Marks
00201	Research Methods & Statistic	U	4	3	1	50	50	100
20201	Computer Applications in Interior Designing (Pr)	C	4	3	1	50	50	100
20202	Construction & Materials-II(Pr)	C	4	-	4	50	50	100
20203	Commercial Interior Space Design (Theory)	U	4	4	-	50	50	100
20204	Commercial Interior Space Design (Pr)	U	4	-	4	50	50	100
20291	<b>Elective-II</b> : Financial Management	C	4	2	2	50	50	100
	Total		24	12	12	300	300	600

**SEMESTER: II****Course:** Research Methods ( Theory)**Credits-** 4**Code No-**00201**Objectives:****This course will enable students to:**

1. develop a scientific approach and know the processes of research
2. develop the competence for selecting methods and tools appropriate for research topics
3. understand concepts of statistical measures of central tendency, dispersion, variability and probability

**Contents:**

Module No	Topics
1	<p><b>The Research Process</b></p> <p>a. Scientific approach to enquiry in comparison to native, common sense approach</p> <p>b. Knowledge, theory and research</p> <p>c. Role, need and scope of research in the discipline of Home Science</p> <p><b>Assignment</b> : Differentiate between investigative reporting and research report (with examples to be brought by students as exercise)</p> <p><b>Steps in Research Process and Elements of Research</b></p>

	<p>a. Identifying interest areas and prioritizing Selection of topic and considerations in selection</p> <p>b. Review of related literature and research</p> <p>c. Variables- types of variables including discrete and continuous variables Conceptual definitions and operational definitions</p> <p>d. Concepts, hypotheses and theories</p> <p>e Hypothesis- meaning, attributes of a sound hypothesis, Stating the hypothesis and types of hypothesis Hypothesis testing- null hypothesis, sample distribution, level of significance, critical regions, Type I and Type II errors</p> <p>f. Research Design Research questions, objectives and assumptions</p> <p><b>Assignment:</b> <i>Types of variables</i> <i>Hypothesis formations and research questions from Research readings –students identify hypothesis/research questions – Discussion</i></p> <p><b>Ethics in Research</b></p>
2	<p><b>Types of Research</b></p> <p>a. Basic and Applied research, Qualitative and Quantitative research (brief review of differences)</p> <p>b. Historical research</p> <p>c. Descriptive research methods – survey, case study, correlational study, content analysis, causal-comparative research</p> <p>d. Analytic studies- pre-experimental, experimental research, quasi experimental research</p> <p>e. Qualitative research, Ethnography</p> <p>f. Evaluative research- general characteristics, use of qualitative methods in enquiry Scope and importance in Home Science</p> <p><b>Assignment:</b> <i>Differentiate between (a) basic and applied research (Exercise to be based on actual research papers published in accredited journals)</i> <i>(b) qualitative and quantitative research</i> <i>Based on Journal contents undertake a critical appraisal of studies/research papers and discuss types of Research with examples</i></p>
3	<p><b>Sampling</b></p> <p>a. Rationale, characteristics- meaning, concept of population and sample, and utility</p> <p>b. Types of sampling and generalizability of results</p> <p>c. Probability sampling - simple random sample, systematic random sample, stratified random sampling etc - random and non-random samples, random numbers and use</p> <p>d.. Non-probability sampling - purposive samples, incidental samples, quota samples, snowball samples</p> <p>e.. General consideration in determination of sample size</p>
4	<p><b>Tools for Data Collection</b></p> <p>a. Primary and secondary methods of data collection</p> <p>b. Different types of questionnaires, rating scales, check lists, schedules, attitude scales, inventories, standardized tests, interviews, observation</p> <p>c. Development of tools, estimation of reliability and validity of tools</p> <p>d. Procedure for preparation of the tool, administration of tools for data collection</p> <p>e. Procedure for data collection</p> <p>f. Planning for data analysis-coding of responses</p> <p><b>Assignment :</b> <i>Construction of tools for data collection a) types of questions b) Questionnaire c) interview schedule d) observation d) scales</i></p>

	<i>For a given topic students to frame and discuss the different possibilities of methods and tools</i>
--	---

## References

### Research Methods

1. Bell, J. (1997): *Doing Your Research Project: A Guide for First-time Researchers in Education and Social Science*, Viva Books, New Delhi
2. Bell, J. (1997): *How to Complete Your Research Project Successfully: A Guide for First-time Researchers*, UBSPD, New Delhi.
3. Bulmer, M.C. (1984): *Sociological Research Methods: An Introduction*, Macmillan, Hong Kong.
4. Festinger, L. and Katz, D. (ed.) (1977): *Research Methods in the Behavioral Sciences*, Amerind Publishing, New Delhi.
5. Holloway, I. (1997): *Basic Concepts of Qualitative Research*, Blackwell Science, London.
6. Jain, G. (1998): *Research Methodology: Methods and Techniques*, Mangal Deep, Jaipur.
7. Kothari, C.R. (2000): *Research Methodology: Methods and Techniques*, WishwaPrakashan, New Delhi.
8. Kumar, A. (1997): *Social Research Method (The Art of Scientific Investigation)*, Anmol Publication, New Delhi.
9. Kumar, A. (2002): *Research Methodology in Social Sciences*, Sarup and Sons, New Delhi.
10. McBurney, D.H. (2001): *Research Methodology*, Thomson-Wadsworth, Australia.
11. Pande, G.C. (1999): *Research Methodology in Social Sciences*, Anmol Publication, New Delhi.

**SEMESTER- II****Name of the Course: Computer Applications in Interior Design (Practical)****Credits- 4****Objectives:****This course will enable students to:**

1. Develop a scientific approach and know the processes of research
2. Develop the competence for selecting methods and tools appropriate for research topics
3. Understand concepts of statistical measures

**Contents:****Module. Topic and Details****No.**

- |   |                                     |
|---|-------------------------------------|
| 1 | AutoCAD – 2D<br>One BHK Planning    |
| 2 | AutoCAD – 2D<br>Commercial Planning |
| 3 | AutoCAD – 2D<br>Working Drawing     |
| 4 | Google Sketch Up<br>3D Views        |

**SEMESTER: II****Course: Construction & Materials (Furniture Design) –II (Pr)****Credits:4****Code No : 20202****Objectives-** This course will enable students to:

1. To make the students aware of the different type of construction materials used in Interiors.
2. To know about the type of structural systems and different type of techniques used in construction.
3. To learn about the properties, trends and usability of the material, and its cost.

**Contents:**

<b>Block. No.</b>	<b>Topic and Details</b>
1	Executive Table & Credenza
2	Partition and Panelling
3	Conference Table
4	Reception Table
5	Display Counter
6	Documentation of 15 Materials used in interiors

**REFERENCES-**

1. Diwan S (1999): Sanskruti- A manual of Interior Design.
2. R Barry, The Construction of Building Vol. I, ELBS Publication.
3. R Barry, The Construction of Building Vol, II, ELBS Publication.
4. R Barry, The Construction of Building Vol. IV, ELBS Publication.
5. S.P.Arora & Bindra, Text book on Building, DhanpatRai& Sons.
6. Rangwala S.C, Building Construction, Charotta Pub, Anand
7. B.C. Purnima, Building Construction, Laxmo Publication.
8. Sushil Kumar, Building Construction, Laxmo Publication.
9. Francis D.K.Ching, Building Construction Illustrated., Van Nortrand
10. D.A.C.A. Boyne, Architect's Working Detail Vol. I, The Architectural Press Ltd. London.
11. D.A.C.A. Boyne, Architect's Working Detail Vol. III, The Architectural Press Ltd. London.
12. D.A.C.A. Boyne, Architect's Working Detail Vol. IV, The Architectural Press Ltd. London.
13. D.A.C.A. Boyne, Architect's Working Detail Vol. V, The Architectural Press Ltd. London.
14. D.A.C.A. Boyne, Architect's Working Detail Vol. VIII, The Architectural Press Ltd. London
15. D.A.C.A. Boyne, Architect's Working Detail Vol. X, The Architectural Press Ltd. London

## SEMESTER II

**Course:** Commercial Interior Space Design (Theory)

**Credits :4**

**Code No:** 20203

### Objectives

The Student:

1. Understands the Principles of designing of commercial interior spaces.
2. Knows the designing features and materials used in commercial interior spaces.
3. Gains knowledge about specialized services provided in commercial interior spaces
4. Understands the need of designing of commercial interior spaces for special population: Senior citizens, physically challenged and children

### Content

Block. No.	Topic and Details
<b>1</b>	<p><b>Introduction to commercial interior space design.</b></p> <p>Types of commercial interior spaces Factors influencing designing of commercial interior spaces Materials used in designing commercial interior spaces</p>
<b>2</b>	<p><b>Designing considerations for commercial spaces:</b> Shops, Restaurants, Clinic, Offices, Library etc. Planning the layout for commercial space, attributing factors, composition of design, factors influencing design, Specifications for Design</p>
<b>3</b>	<p><b>Ergonomic Application in Designing commercial interior spaces.</b></p> <p>. Background knowledge of Ergonomics – in designing workstation design and its influence on body postures, MSD’s and energy expenditure . To study different body postures adopted in carrying out activities and its relation in designing different work counters in various commercial spaces using different technique of Ergonomics.</p>
<b>4</b>	<p><b>Importance and use of accessories, plants, indoor, landscapes in designing commercial interior spaces. Its impact on indoor climate.</b></p>

### REFERENCES

1. Lea , Hea, Yon, Interior world no- 14, Beauty: Fashion shop, Hair Shop/ Wedding- Fashion Shop, Archiworld Co. ltd
2. Grant Camden Kirkpatrick, Shops and Boutiques.
3. Stafford Cliff, The Best Exhibition Stand DesIGN 2, Roto Vision Sa Switzerland
4. Vilma Barr Katherine Field, Stores:n Retail Display and Design, PBC International Inc.
5. CarlesBroto, New Shop Design, Arian Mostaedi
6. Rolshoven Martin, Exhibition Design, Rockport Publications
7. Jeong JI Seonged, Interior Design Bar and Restaurant, Jeong JI Seong
8. Nanuelli Sara, Design for Shopping New Retail Interiors, Laurence King Publishing Ltd.
9. Jeong JI Seong, Interior Design Boutique, hotel & spa (Motel & hotel) Jeong JI Seong.

**SEMESTER: II****Course: Commercial Interior Space Design (Pr)****Credits :4****Code No: 20204****Objectives:**

The Student:

1. Understands the designing consideration of commercial interior space design.
2. Develops skills in designing commercial interior spaces.

**Content**

<b>Block. No.</b>	<b>Topic and Details</b>
<b>1</b>	Commercial Spaces – Small  Interior designing layout of small (15 m <sup>2</sup> to 20 m <sup>2</sup> ) commercial spaces (shops, restaurants, clinic etc.). Floor Plan, Elevations, Ceiling layout, Electrical layout, Drainage layout, Perspectives, Colour Scheme, material selected of the given project.
<b>2</b>	Survey of existing commercial space , continuous assessment of different needs of the users group, conceptualization of design with reference to space, purpose and User needs ie. Client Profile and Requirements ,while planning the furniture layout and selection of materials for the design.
<b>3</b>	Interior designing layout of large (100 m <sup>2</sup> to 250 m <sup>2</sup> ) commercial spaces (banks, offices, polyclinics etc.) Floor Plan, Elevations, Ceiling layout, Electrical layout, Drainage layout, Perspectives of the given project
<b>4</b>	Survey of existing commercial space , continuous assessment of different needs of the users group, conceptualization of design with reference to space, purpose and User needs ie. Client Profile and Requirements ,while planning the furniture layout and selection of materials for the design.
<b>5</b>	Observation of behavior of people in commercial spaces needs for designing barrier free spaces for special population.- Ramps, Handrails, Emergency Exits, Signages, etc

**REFERENCES**

1. Lea , Hea, Yon, Interior world no- 14, Beauty: Fashion shop, Hair Shop/ Wedding-Fashion Shop, Archiworld Co. ltd
2. Grant Camden Kirkpatrick, Shops and Boutiques.
3. Stafford Cliff, The Best Exhibition Stand DesIGN 2, Roto Vision Sa Switzerland
4. Vilma Barr Katherine Field, Stores:n Retail Display and Design, PBC International Inc.
5. CarlesBroto, New Shop Design, Arian Mostaedi
6. Rolshoven Martin, Exhibition Design, Rockport Publications
7. Jeong JI Seonged, Interior Design Bar and Restaurant, Jeong JI Seong
8. Nanuelli Sara, Design for Shopping New Retail Interiors, Laurence King Publishing Ltd.
9. Jeong JI Seong, Interior Design Boutique, hotel & spa (Motel & hotel) Jeong JI Seong.

**SEMESTER: II (ELECTIVE)****Course: Financial Management (Theory)****Elective****Credits 4****Code No : 20291****Objectives:**

The Student:

1. Gets conversant with the Financial System in India
2. Learns the principles, mechanisms and concepts of investment
3. Is able to formulate investment goals intelligently and make wise investment decisions
4. Gains competence to administer the financial planning process and financial controls
5. Learns the techniques of managing personal and family finance

**Contents:**

<b>Module No</b>	<b>Topics</b>
<b>1</b>	<b>Financial Systems</b>
	<b>Nature and Role of Financial Systems-</b> Introduction Functions of a Financial System Stages of financial development The structure of Financial System Financial System and its Linkages with Saving and Investment
	<b>An overview of the Indian Financial System-</b> Institutional Development Institutional Changes Financial Markets Financial Instruments Financial Services Regulators
	<b>Financial Sector Reforms in India-</b> Introduction to Financial Reforms Objectives and Strategies of reforms Policy Reforms New Issue and stock Market reforms Government Securities Market Reforms Banking and external Sector Reforms Vision Document Impact of Financial reforms Flow of funds
<b>2</b>	<b>Fundamentals of Investment</b>
	<b>Nature of Investments-</b> Introduction to types of Investments Considerations and Objectives in Investment Investment Opportunities
	<b>Investment Risks and Returns relationship</b> Risks Defined Types of risks



	<p><b>Sources of company Information</b>  Information and Investing  Annual Report, Income Statement  Statement of Changes in financial Position  Schedules and foot notes, Additional disclosures  Auditor's Report, Stockbrokers, Merchant Banks' Advisory Services  Other Sources (Consultants, Managers, Agents, Auditors, Newspapers, Journals)</p>
	<p><b>Analysis of Financial Statement</b>  Liquidity Ratios  Profitability Ratios  Gearing Ratios  Investment Ratios  Growth and Stability Ratios</p>
<b>3</b>	<p><b>Investment Choices</b></p>
	<p><b>Shares:</b>  Ordinary Shares: Types, Features, Classification and Rationale for Investing  Bonus Shares, Rights Issues  Preference Shares: Types and Analysis.  Considerations in Selection of Shares  Debentures: Types, Benefits to Investors  Public Sector Bonds  Credit Rating</p>
	<p><b>Mutual Funds:</b>  Types, Guidelines for and various Schemes, advantages and disadvantages  Units: Types, Advantages of Investing in Units</p>
	<p><b>Public Deposits</b>  Insurance and other Government Schemes  Investing in Precious Metals  Housing Finance, Real Estate  Trading in the stock Market,  Commercial Paper  Electronic commerce</p>
	<p><b>Managing Debt, Credit and Borrowing</b>  Uses, Merits and Demerits  Criteria for Borrowing, Managing Debts  Sources and Analysis of Consumer Loans  Mortgages  Risk Assessment and risk Coverage</p>
<b>4</b>	<p><b>Investment Analysis and Management</b></p>
	<p><b>Investment Analysis</b>  Fundamental Analysis Approach  Economic Analysis  Industry Analysis  Company Analysis</p>
	<p><b>Technical Analysis</b>  Tools of Technical Analysis  Chartism</p>

	Relative Strength Analysis Confidence Index Odd lot trading Index Breadth of Market Analysis Dow Theory Efficient Market Theory
	<b>Considering the Tax Factor</b> Income Tax, Wealth Tax, Gift tax law Taxation and Investment Decision
	<b>Designing an Investment Portfolio</b> Rationale, Personal considerations Determining Financial ability Components of Investment Portfolio Investment Portfolio at different Phases Investors' Evaluation Maintaining Investment Records Investor Protection

**References:**

1. Alexander, G.J. (2001) Fundamentals of investment, Pearson Education
2. India, New Delhi, ISBN: 8129700239.
3. Dutta, A. (2003) Penguin Guide to Personal Finance, Penguin Books,
4. New Delhi.
5. Morris, K.M. (1999) Wall Street Journal Guide to Understanding
6. Money and Investment, Fireside, New York. ISBN: 08489020.
7. Lal, J.(2000) Personal Investing, Penguin Books,New Delhi
8. Banwait, S. S. (2008) Portfolio Management Theories and Practices, Cyber Tech Publications,Daryaganj, New Delhi
9. Ramesh Babu, G. (2005) Financial Services in India, Concept Publishing Company, Mohan Garden New Delhi.
10. Singh, P. (2008) Dynamics of Indian Financial System: Markets, Institutions and Services, Ane Books Private Limited New Delhi

**SEMESTER-III**

Code No	Courses	Exam	Total Credits	Th-Cr	Pr-Cr	Int Cr/M	Ext Cr/M	Total Marks
00301	Research & Statistics Applications	U	4	3	1	50	50	100
20302	Landscape Design (Pr)	C	4	4	-	50	50	100
20303	Working Drawing (Pr)	U	4	-	4	50	50	100
20304	Organizational Behaviour	U	4	3	1	50	50	100
20305	Services & Specialised Services (Pr)	U	4	-	4	50	50	100
20391	<b>Elective –III</b> : Entrepreneurship Management	C	4	2	2	50	50	100
	Total		24	12	12	300	300	600

**Semester III****Course : RESEARCH AND STATISTICAL APPLICATIONS****Code no:00301****4 credits (Pr)****Objectives****This course will enable students to:**

1. Discriminate between parametric and non-parametric tests
2. Learn to apply statistical tests for data analysis for both large and small samples
3. Know how to interpret the results of statistical analysis of data
4. Be able to summarize data and present it using tables and graphs
5. Develop skills for preparation of research proposals
6. Understand the components of a research report

Module No	Topics	Marks
<b>1</b>	<p><b>Introduction to Statistics</b> Definition, conceptual understanding of statistical measures, popular concepts and misuse of statistics</p> <p><b>Normal Distribution and its Properties</b> a. Normal distribution b. Binomial distribution c. Probability, use of normal probability tables, area under normal distribution curve d. Parametric and non-parametric tests</p> <p><b>Data Management</b> Planning for data analysis – coding of responses, preparation of code book Coding of data Use of statistical programs - MS Excel - SPSS</p>	<b>25</b>

2	<p><b>Data Analysis</b></p> <p>a. Quantitative analysis, descriptive statistics, inferential statistics : Uses and limitations, Summation sign and its properties</p> <p>b. Proportions, percentages, ratios</p> <p>c. Measures of central tendency-mean, median, mode-arithmetic mean and its uses, mid – range, geometric mean, weighted mean</p> <p>d. Measures of dispersion /variability- range, variance, standard deviation, standard error, coefficient of variation, Kurtosis, skewness</p> <p>Grouped data-frequency distribution, histogram, frequency polygons, percentiles, quartiles, tertiles, ogive</p> <p>e. Large and Small Sample tests and interpretation</p> <ul style="list-style-type: none"> <li>- . Z-test for single proportions and difference between proportions</li> <li>- . Large sample test for single mean and difference between means</li> <li>- . Small sample tests- ‘t’-test, paired ‘t’-test, ‘F’ Test</li> </ul>	25
3	<p><b>Chi square test and its interpretation</b></p> <p>a. General features, goodness of fit</p> <p>b. Independence of Attributes</p> <p><b>Correlation and Regression and its interpretation</b></p> <p>a. Basic concepts</p> <p>b Linear regression and correlation coefficient</p> <p>Regression and prediction</p> <p>c. Rank correlation, Product-moment method</p> <p><b>Analysis of Variance and its interpretation</b></p> <p>a. One-factor analysis of variance</p> <p>b. Two-factor analysis of variance</p> <p><b>Design of Experiments</b></p> <p>a. Completely randomized design</p> <p>b. Randomized block design</p> <p>c. Latin square design</p> <p>d. Factorial design</p>	25
4	<p><b>Presentation of Data</b></p> <p>a. Tabulation and Organization of data- frequency distributions, cumulative frequency distribution, contingency tables</p> <p>b. Graphical presentation of data- histogram, frequency polygon, ogive, stem and leaf plot, box and whiskers plot, Graphs for nominal and ordinal data- pie diagram, bar graphs of different types, graphs for relation between two variables, line diagram.</p> <p>Use of illustrations</p> <p>Cautions in visual display of data</p> <p><b>The Research Report</b></p> <p>Basic components of a research report- prefatory material, introduction and Review of Related Literature, Methodology, Results, Discussion, Conclusion, Summary, Abstract, Bibliography and Appendices</p> <p><b>Students to design a research study on a topic-</b></p> <ul style="list-style-type: none"> <li>- specify type of research</li> </ul>	25

	<ul style="list-style-type: none"> <li>- sample selection</li> <li>- protocol/operationalization</li> <li>- tools</li> <li>- tests for statistical analysis</li> </ul> <p><b>Preparation of a Research Proposal</b></p>	
--	---	--

### SEMESTER III

Course : Landscape Design (Pr)

Credits : 4

Code No 20302

#### Objectives:

The Student will be:-

- Conversant with the landscaping materials used in the residential premises.
- Able to apply knowledge to place the plants, shrubs, creepers indoors.
- Competent in knowledge for roof top & terrace landscaping, kitchen gardening
- Proficient in selection of accessories used in indoors.
- Capable of developing good landscape design for interiors.

Module No	Topic and Details	Marks
1	<p><b>Introduction to Indoor and Outdoor Landscaping</b></p> <ul style="list-style-type: none"> <li>• Principles of Landscaping</li> <li>• Elements used in landscaping</li> <li>• Use of Principles &amp; Elements in designing landscape places in interiors</li> </ul>	25
2	<p><b>Plants and Accessories</b></p> <ul style="list-style-type: none"> <li>• Classification of plants</li> <li>• Types of soils</li> <li>• Types of plants, shrubs, creepers, Bonsai, etc</li> <li>• Types of Accessories</li> </ul>	25
3	<p><b>Landscaping in different areas</b></p> <ul style="list-style-type: none"> <li>• Terrace/Roof top Garden</li> <li>• Balcony</li> <li>• Kitchen Garden</li> <li>• Rooms in the house</li> <li>• Other spaces in house</li> </ul>	25
4	<p><b>Case Studies</b></p> <ul style="list-style-type: none"> <li>• Terrace Garden</li> <li>• Balcony</li> <li>• Kitchen Garden</li> <li>• Livingroom, Bedroom, Passages, windows, etc</li> </ul>	25

**SEMESTER-III****Course: Working Drawing (Pr)****Credits:4****Code No : 20303****Objectives:**

The Student will-

1. understand the structure and technical specification of items
2. learn the basic joinery of wood/furniture or articles

**Content**

Module No	Topics
1	Different types of wood joints, tools of carpentry ,
2	Different types of Hardware, fitting, fixtures and fastners
3	Basic Furniture Detailing of Sofa, Variations in design
4	Basic Furniture Detailing of Chair, variation in design, type
5	Basic Furniture Detailing-Dining Table
6	Basic Furniture in restaurants service counter
7	Types of Bar counter

**References:**

1. Chudley.R.Construction Technology, Vol 1 to 4 ,(1985) EL/BS & Longman Groups Ltd
2. E AND OE (2007) Planning – the architect’s handbook
3. Kumar , Sushil (1992) Building Construction, Delhi N.C.Jaln
4. Chiara Joseph De and John Haneock Callender (1980)- Time Saver Standards for Building Types. New York: MC Graw Hill Book Company
5. Porter, Brian (1990) Carpentry and Joinery, London Arnold
6. Mac kay Construction Voll-5
7. Walton, J.A (1948): Wood work theory and Practice, George,G.Harrap & CO,ltd

**SEMESTER-III****Course :Organization Behaviour (Theory)****Credit:4****Code No:20304****Objectives:**

The Student:

1. Understands the behaviour of individuals and group processes in organisations.
2. Knows the processes used in conducting organization efficiently and effectively

<b>Sr. No</b>	<b>Topic and Details</b>
1	<b>Introduction to Organisational Behaviour</b>
	Unit 1- Scope, significance, History and development of Organisational Behaviour as a subject.
	Unit 2- Meaning and definition of Organisational Behaviour
	Unit 3- Models of Organisational Behaviour
2	<b>The Individual</b>
	Unit 1- Foundation of individual behaviour.
	Unit 2- Personality and learning.
	Unit 3- Perception and attribution.
	Unit 4- Values, attitudes and job satisfaction.
	Unit 5- Motivation, concept and application.
	Unit 6-Leadership.
3	<b>The Group</b>
	Unit 1. Foundation of group behaviour.
	Unit 2- Communication.
	Unit 3- Power and politics
	Unit 4-Conflicts and negotiation
4	<b>Organizational Dynamics</b>
	Unit 1- Foundation of organizational structure.
	Unit 2- Organizational culture
	Unit 3- Organizational change.

	Unit 4- Organizational Development.
5	<p><b>Practical</b></p> <p>Block 1.</p> <ol style="list-style-type: none"> <li>a. Case study for structural explanation of Organisational Behaviour</li> <li>b. Team exercise to know how Organisational Behaviour/knowledge help them to understand nature of organization</li> </ol> <p>Block 2. Project related to motivation, leadership and communication</p> <p>Block 3. Case study / team exercise / project on work attitudes, job designing, power dynamics etc.</p> <p>Block 4. Select an organisation for analyzing the organisational culture and structure</p>

### References:

1. K. Ashwathappa (2002) Organisational Behaviour, Mumbai, Himalaya Publishing House.
2. Stephen P. Robbins (2001): Organisational Behaviour – concepts, controversies and applications – New Delhi, Prentice Hall of India.
3. Fred Luthons (1998) Organisational Behaviour, Boston, McGrawhill Publishing Co.
4. Mcshane, S.L. & Glinow, M.A. (2000): Organisational Behaviour – New Delhi, McGrawhill Publishing Co. Ltd.
5. Singh, M. (2001), Organisational Behaviour – New Delhi, Deep and Deep Publications Pvt. Ltd.
6. Newstom, J.W. & Devis, K. (2000): Organisational Behaviour – New Delhi, McGrawhill Publishing Co. Ltd.
7. Gupta, R. (2001) Organisational Behaviour – New Delhi, Kitab Mahal.
8. Cook, C.W. & Hunaskar, P.L. (2001): Management and Organisational Behaviour – Boston, McGrawhill Irwin.
9. Judson, S.A. (2000): Organisational Behaviour – New Delhi, Infinity Books.
10. Kumar, M. & Mittal R. (2001) Organisational Behaviour – New Delhi, Anmol Publication Pvt. Ltd.
11. Chandan, J.S. (2001): Organisational Behaviour – New Delhi, Vikas Publishing House Pvt. Ltd.
12. Pettinger, R. (1996): Organisational Behaviour – London, Macmillan Press Ltd.
13. Hersey, P. & Blanchard, K. (1996): Management of Organisational Behaviour – New Delhi, Prentice Hall India.



**SEMESTER-III****Course : Services & Specialized Services (pr)****Credits -4****Code No: 20305****Objective:** The Student:

1. To gain knowledge about essential and specialized services provided to residential and commercial interior spaces.
2. Know selection of proper materials for various services.
3. To understand the principles to be followed in providing services to residential and commercial spaces.
4. To understand the needs of special population in designing essential and specialized services.

**Contents**

<b>Module. No.</b>	<b>Topic and Details</b>
<b>1.</b>	<p><b>Water Supply System</b></p> <p>Unit 1. Water supply systems to residential and commercial premises</p> <p>Unit 2. Fixtures, pipes and fittings used in water supply system and its selection.</p> <p>Unit 3. Principles to be followed in water supply system for residential and commercial interior work.</p> <p>Unit 4. Market Surveys and Case Study (field observation of Residential building, colony, and Commercial building) with Costing .</p>
<b>2</b>	<p><b>Drainage system</b></p> <p>Unit 1. Types of drainage systems provided in residential and commercial Buildings</p> <p>Unit 2. Fixtures, fittings and pipes used in drainage systems and its selection.</p> <p>Unit 3. Principles to be followed in drainage system for residential and commercial interior work</p> <p>Unit 4. Market Surveys and Case Study (field observation of Residential building, colony, and Commercial building) with Costing with presentation</p>
<b>3</b>	<p><b>Electrical Supply System</b></p> <p>Unit 1. Fixtures, fittings and luminaries used in electrical supply for residential and commercial interior work.</p> <p>Unit 2. Electrical wiring and qualitative and quantitative aspects of lighting arrangements.</p> <p>Unit 3. Principles of supplying electricity to residential and commercial interior work.</p> <p>Unit 4. Market Surveys and Case Study (field observation of Residential building, colony, and Commercial building) with Costing with presentation</p>
<b>4</b>	<b>Specialised Services</b>

	<p>Unit 1. Air conditioning, Fire fighting, Acoustics, garbage disposal, Gas pipeline etc. – Its various systems, fixtures, fittings and principles to be followed in providing the services to residential and commercial interior work.</p> <p>Unit 4. Market Surveys and Case Study (field observation of Residential building, colony, and Commercial building) with Costing with presentation.</p>
<b>5</b>	<p><b>Designing services for special population</b>-handicapped people, elderly persons, children</p> <p>Unit 1. Case Study of special population for residential and commercial building, documentation of existing plan, elevation, photographs, difficulties identified and possible solutions with drawing details materials and costing.</p>
<b>6</b>	<p><b>Fire Systems Services</b></p> <p>Unit 1. Systems for suppression of Fire ( i.e .Dry risers, Wet Risers, sprinklers, etc) and their installation norms</p> <p>Unit2. Systems for fire extinguishers, Dry chemical powders, CO2, Water type etc and their installation norms.</p> <p>Unit3. Fire retarding treatments such as coating, adding of fibres etc</p> <p>Unit 4. Market Surveys and Case Study (field observation of Residential building, colony, and Commercial building) with Costing with presentation. Reporting of Accidents of Fire in building from newspapers.</p> <p>Unit 5. Identification of material which are used in interior work – a) fire resistance b) prone to catching fire fact.</p> <p>Unit 6. Field survey of User group –regarding awareness of fire accidents, does and don't, Use of extinguishing systems in their building</p>
<b>7</b>	<p><b>Security Systems</b></p> <p>Unit 1. Introduction to security and principles of security ( as per situations).</p> <p>Unit 2. Types of security systems, field devices such as switches, sensors, card-readers, locks, cameras etc</p> <p>Unit 3. Access controls Installation norms, Uses and applications</p>
<b>8</b>	<p><b>Tutorials-</b></p> <p>Unit 1. Preparing Air- Conditioning layout for given interior layout along with distribution and ducting along with sizes and legend</p> <p>Unit 2. Suggesting Acoustical arrangement for given layout with sectional elevations</p> <p>Unit 3. Making LAN layout for given interior layout along with legend</p> <p>Unit 4. Making security layout for interior layout common to all students</p>

**SEMSTER-III****ELECTIVE****Name of Course: Entrepreneurship Management    Credit- 4****Code No 20391****Objectives:**

The Student is able to:

- Understand the concept of entrepreneurship
- Learns the process and procedures of setting up small enterprise
- Develops entrepreneurial skills to manage an enterprises successfully

**Contents:**

<b>Module. No.</b>	<b>Topic and Details</b>	<b>Marks</b>
<b>1</b>	<b>Concept of Entrepreneurship-</b> Definition and concepts Need for entrepreneurship development Types of enterprises Entrepreneurs in a developing economy Entrepreneurship as a career option Barriers to entrepreneurship	<b>25</b>
	<b>Entrepreneurial values and attitudes</b> Entrepreneurial values Entrepreneurial attitudes Role demands and Requirements of entrepreneurs	
<b>2</b>	<b>Creativity and Entrepreneurial Motivation</b>	<b>25</b>
	<b>Entrepreneurial motivation</b> Definition and Types of Motivation Need for achievement motivation. Motivation process Internal and external factors affecting motivation	
	<b>Creativity, Innovation and Idea Generation</b> Creativity and idea generation Creativity process Components of creative Performance Creative enterprise Innovation and entrepreneurship linkages Searching and selecting entrepreneurial ideas Methods of generating new ideas Dynamics of project identification Matching project and enterprise	
<b>3</b>	<b>Starting an Enterprise</b>	<b>25</b>
	<b>Steps in starting an enterprise</b> Scanning the environment Product development and selection Project report preparation	

	<p><b>Project Appraisal</b> Feasibility studies- market analysis, technical analysis and financial analysis Re-sourcing</p> <p><b>Market Analysis</b> Market survey Assessment of demand and supply</p>	
<b>4</b>	<b>Establishing and Financing an Enterprise</b>	<b>25</b>
	<p><b>Technical Analysis</b> Size and location of enterprise Layout planning Types of Manufacturing Processes Purchase and inventory Control Quality Control</p> <p><b>Financial Analysis</b> Financial Planning Long term and short term finance Balance sheet and operating statement Ratio analysis Funds flow analysis Financial Forecasting Cash Budgeting Assessment and Management of Working Capital Financing of working capital</p>	
	<p><b>Source of Finance</b> Need and sources of long term finance Leverage Capital structure [Features and factors affecting] Instruments of long-term finance Financial institutions</p>	

### **References**

1. Akhauri, M.M.P. (1990): Entrepreneurship for women in India, New Delhi, NIESBUD.
2. Hisrich, R.D. & Brush, C.G. (1986): The Women Entrepreneurs, Toranto, D.C. health & Co.
3. Hisrich, R.D. and Peters, M.P. (1995): Entrepreneurship- Starting, developing and managing a New Enterprise, Richard, D. USA, Irwin, INC.
4. Meredith, G.G. et al (1892): Practice of entrepreneurship, Geneva, ILO.
5. Patel, V.C. (1987): Women Entrepreneurship- Developing New entrepreneurs, Ahmedabad.
6. Tanya, S. and Gupta, S.L. (2002): Entrepreneurship Development, New Venture Creation, Galgotia Publishing Company.

**SEMESTER-IV**

Code No	Courses	Exam	Total Credits	Th-Cr	Pr-Cr	Int Cr/M	Ext Cr/M	Total Marks
00401	Dissertation	U	8	-	8	100	100	200
00402	Internship	C	8	-	8	100	100	200
20403	Professional Practices (Theory)	U	4	4	-	100	-	100
20491	<b>Elective-IV</b> : Indoor Landscaping & Designing	C	4	-	4	50	50	100
	Total		24	4	20	350	350	600

**SEMESTER-IV****Course : Dissertation****Credits-8****Code No:00401****Objectives -****The students will**

1. Learn to select a thesis research topic and develop it in consultation with her supervisory
2. . The research project should be designed for completion, together with other program requirements, within a year period.
3. The thesis should provide evidence of the student's ability to carry out independent investigations and to present the results in a clear and systematic form.

Content:

Module No	Details topics	Marks
1	A student is expected to submit a thesis proposal to their supervisory committee the- proposal provides evidence of the student's readiness to carry out the research, and also clarifies the expectations of both the student and committee as to the final content of the thesis	25
2	the proposal provides evidence of the student's readiness to carry out the research, and also clarifies the expectations of both the student and committee as to the final content of the thesis	25
3	<ul style="list-style-type: none"> <li>• <b>Introduction:</b> General background, importance of the subject area.</li> <li>• <b>Objective:</b> A concise statement of the purpose or objective of the project; this should flow logically from the introduction and be short and specific.</li> </ul>	25

	<ul style="list-style-type: none"> <li>• <b>Methods:</b> General plan, specific methods, sampling or experimental design, duration, and projected procedure for data analysis; these methods should be appropriate for directly addressing the purpose or objective.</li> <li>• <b>Results:</b> Results of theoretical investigations, experiments, field sampling, computer simulations, data analyses, etc. should be clearly stated.</li> <li>• <b>Interpretation:</b> How will the results be interpreted? There should be explicitly stated inferences that would be drawn from all outcomes; outcomes that cannot be interpreted imply imprecise objectives or inappropriate methods.</li> <li>• <b>Significance:</b> Why is this investigation justified? What is the scientific or practical contribution?</li> </ul> <p><b>Timeline/Workplan:</b> The timeline helps to assess whether the proposed research is feasible as planned and establishes milestones. Periods when there are activities which could slow progress should be highlighted when accounted for when selecting milestones. The timeline should also indicate when likely outputs (e.g., scientific paper and reports) will be produced</p>	
	<b>Final Examination- Presentation</b>	25
	<b>Paper for publication /conference etc</b>	}

**SEMESTER-IV****Course : Internship****Credits-8****Code No:00402****Objectives -****The Student will-**

1. Learn to connect academic studies to practical applications and gain work experience
2. Prepare the student for professional training and understand the working in an organization.
3. Student records the practical work undertaken during the internship

Content

Module No	Topic Details
1	Identification of Organization for Internship- Formal communication , permission/ approval, identifying and planning the assignment to be undertaken during the internship programmer
2	Review of the assignment- Documentation of the different tasks/activities within the organization
3	Application of theoretical and practical inputs to real field situation
4	Compiling the report with – introduction, observation, remarks, conclusion with recommendation.
5	Evaluation by External Supervisor and Internal staff

**SEMESTER-IV****Course : Professional Practices (Th)****Credits : 4****Code No : 20403****Objective-****The student will**

1. To enable students to develop intellectual skills
2. To enhance professional skills needed in Interior Designing profession.

**Content**

<b>Module. No.</b>	<b>Topic and Details</b>
<b>1</b>	<b>Professional Components of managing interior work</b> <ol style="list-style-type: none"> <li>a. Office management, code conduct, scale of professional fees</li> <li>b. Duties of an employer under the labour welfare provision</li> <li>c. Structure of Interior Designer's office</li> </ol>
<b>2</b>	<b>Estimating Interior Work</b> <ol style="list-style-type: none"> <li>a. Meaning and importance of estimating</li> <li>b. Type of estimate</li> <li>c. Unit and Mode of measurements, rate, analysis, bills of quantities etc</li> </ol>
<b>3</b>	<b>Tenders and Contract</b> <ol style="list-style-type: none"> <li>a. Meaning of tender and contract, tender notice, tender document, types of tenders, earnest money etc</li> <li>b. Type of contract, articles of agreement, execution of contract, scope of contract, duties and liabilities of designer and contractor, professional relations with client.</li> </ol>
<b>4</b>	<b>Tutorials:</b> <ol style="list-style-type: none"> <li>a. Bring a newspaper cutting of a tender notice related to interior or construction work and read a few to understand the contents.</li> <li>b. Prepare letterhead for their own assumed interior design firm</li> <li>c. Write tender related business letter.</li> </ol>



	<p>d. Prepare tenders and contracts for a residential site and Commercial sites.</p> <p>e. Conduct a moot ‘ tender opening meeting’.</p> <p>f. Preparing Bill of Quantities for any design project carried out in . Interior Design</p> <p>g. Conduct a moot day in an Interior designer’s office</p> <p>h. Analyse suitability of respective tender types</p> <p>i. Make students classify activities &amp; situation into categories of responsibilities towards client, profession, society, fellow professionals etc</p> <p>j. List units and modes of measurements of materials, labour and items of work.</p>
--	---

## REFERENCES

1. Chudley, R. (1978): Construction Technology, Vol. 1 to 4 EL/BS and Longman Group Ltd.
2. National Building Code Vol. 1 to 9, Indian Standard Institute.
3. Drucker, P.F. (1969): The Effective Executive; William Hermann Ltd.
4. Drucker, P.F. (1985): Innovation and Entrepreneurship Practice and Principles; William Hermann Ltd.
5. Drucker, P.F. (1976): Management Task, Responsibilities and Practices – Allied Bombay.
6. Laboenf, M.: The Greatest Management Principles in the World; Borkely Books, New York.
7. Nanavati, R. (1984): Professional Practice (Estimating and Valuation); Lakhani Book Depot, Bombay.
8. Sieger, H. and Sieger, A. (1982): A Guide to Business Principles and Practice for Interior Designers, New York.

**SEMESTER-IV****ELECTIVE****Course : Lighting for Interiors****Credits-8****Code No:20491****Objectives -**

1. Will enable the student to gain knowledge about Role of Lighting in Interiors
2. Learns about different types of fixtures and fittings, including installation methods
3. Learn about scope of Research in Lighting

**Contents:**

<b>Module No</b>	<b>Topics</b>	<b>Weightage (%)</b>
1	Principles and Role of Lighting Design-Basic knowledge about light, technical aspects	<b>25</b>
2	Energy efficiency in Lighting- Energy reduction strategies, LEDs and Energy efficiency, research application	<b>25</b>
3	Lighting Design Application & the Design Process-Basic Product and application, training for commercial aspect, indoor and outdoor requirements	<b>25</b>
4	Lighting Fixtures & Design Marketing & Selling Tools	<b>25</b>

**Reference**

1. David Kent Ballast (2010) Interior Design Reference Manual: Everything You Need to know to Pass the NCIDQ Exam, pp12
2. Sage Russell (2008) The architecture of Light: A textbook of PROCEDURES AND PRACTICES FOR THE Architect, interior Designer and Lighting Designer. Library of Congress Cataloging in Publication Data ( ISBN: 10:0-9800617-03)
3. Susan . M.Winchip (2008) Fundamentals of Lighting, Fairchild Book, New York (ISBN-978-1-60901-086-7).