Mahatma Gandhi University
MEGHALAYA
www.mgu.edu.in

SYLLABUS MANUAL

PROFFESIONAL PROGRAMME
PROGRAMME CODE --- 324

BACHELOR OF ARTS IN INTERIOR DESIGN (BAID)

YEAR I

<table>
<thead>
<tr>
<th>CODE</th>
<th>SUBJECT</th>
<th>CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baid11</td>
<td>Principles of Interior Design</td>
<td>5</td>
</tr>
<tr>
<td>Baid12</td>
<td>Basics of Drawing and Graphics</td>
<td>5</td>
</tr>
<tr>
<td>Baid13</td>
<td>Elements of Material</td>
<td>5</td>
</tr>
<tr>
<td>Baid14</td>
<td>Construction Techniques</td>
<td>5</td>
</tr>
<tr>
<td>Baid15P</td>
<td>Practical-Basics of Drawing and Graphics</td>
<td>6</td>
</tr>
<tr>
<td>Baid16P</td>
<td>Practical-Construction Techniques</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

YEAR II

<table>
<thead>
<tr>
<th>CODE</th>
<th>SUBJECT</th>
<th>CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baid21</td>
<td>Art &amp; Architecture History</td>
<td>5</td>
</tr>
<tr>
<td>Baid22</td>
<td>Interior Furnishing</td>
<td>5</td>
</tr>
<tr>
<td>Baid23</td>
<td>Life Space Planning</td>
<td>5</td>
</tr>
<tr>
<td>Baid24</td>
<td>Interior and Exterior Treatments</td>
<td>5</td>
</tr>
<tr>
<td>Baid25P</td>
<td>Practical-Life Space Planning</td>
<td>6</td>
</tr>
<tr>
<td>Baid26P</td>
<td>Project- Interior Design Studio</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

YEAR III

<table>
<thead>
<tr>
<th>CODE</th>
<th>SUBJECT</th>
<th>CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baid31</td>
<td>Entrepreneurship Development</td>
<td>5</td>
</tr>
<tr>
<td>Baid32</td>
<td>Computer Aided Design</td>
<td>5</td>
</tr>
<tr>
<td>Baid33P</td>
<td>Practical-Computer Aided Design</td>
<td>6</td>
</tr>
<tr>
<td>Baid34P</td>
<td>Portfolio Development - Project Work and Viva Voce</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
Detailed Syllabus

YEAR I

BAID11 --- Principles of Interior Design

Unit 1: Introduction: Lettering and scales, fundamentals interior designing interior design industry, interior design concepts, difference in architects, interior designers and decorators, skills needed to become an interior designer, the aims of this course, how to do the course, what skills do you need?, assessing your strengths and weaknesses, interior designing as a profession, interior design employment, Measurements

Unit 2: Designing Concept: Drawing media and equipments- pencil shading, drawing pens, black lead pencils, Shading techniques and different media, How to shade in drawing, shading of human figures.


Reference Book:
1. Interior Design Course by Tomris Tangaz.
2. The Decoration of Houses by Edith Wharton, Ogden Codman.

BAID12 --- Basics of Drawing and Graphics

Unit 1: Introduction/ drawing equipments/ sheet
Introduction
T-square and set square
Scales-types and use
French curves
Drawing sheet
Sheet layout
Sheet sizes

Unit 2: Lines, lettering and dimensioning
Lines - Types of lines and line thickness
Lettering
Single stroke letter
Gothic lettering
Dimensioning: Types of dimensioning, Different types of dimensioning line

Unit 3: Geometrical figures
BAID13 --- Elements of Material


Unit 2: Elements of Material –II: Glass, Paints and Varnish, Ferrous and Non Ferrous, Gypsum and related product.

Unit 3: Structure of Building: Different part of building, Introduction to RCC & load bearing structure, Carpentry Joints, Introduction to various carpentry joints & use.

Unit 4: Doors & Windows: Different types of door & window, its part & materials. Its application.

Unit 5: Partitions: Exercise on fully paneled, partly paneled partitions, Different types, material, its detailing & application.

Unit 6: Flooring: Introduction of various flooring material, Method of fixing, Uses in Interior, Composition of flooring pattern, Ceiling, Different types of ceiling, P.O.P. ceiling in detail, Electric fittings in P.O.P.

Unit 7: Staircase: Types, Material, different technical terms, Designing of wooden staircase, railing, Total Min No Of Sheets.

Reference Book:

1. Elements Of Material by Van Vlack.
2. Elements of Materials by Lawrence H. Van Vlack.

BAID14 --- Construction Techniques

Unit 1: Basic idea of Construction; Basic requirement of a Building; Basic Component, function and their requirement; Classification of Building; Types of Foundation.

Unit 2: Masonry Construction, Walls and Lintels; Brick Masonry: Tool of Brick Lying, Types of Bond; Stone Masonry: Classification of Stone Masonry; Floor and Floor Finishes; Door and Window; False Ceiling; Partition; Paneling; Staircase; Arches.

Unit 3: Partition wall, introduction, advantages, requirements for good partition wall, types of partition walls, importance, brick partitions, clay black partitions, Glass block partitions, straw board partitions,

Hallow block partitions, Concrete partitions, wooden partitions, plaster slab partitions, asbestos cement

Unit 4: A good staircase, introduction, definition, requirements of a good, staircase.

Unit 5: Classification of stairs, types of stairs, straight stairs, Quarter turn stairs, half turn stairs, three quarters turn stairs, Circular stairs, spiral stairs, curved stairs,

Unit 6: Introduction - construction of steps - handrail - head room - cup board, Under stair
Unit 7: Door, special doors, sliding doors, sliding folding door, Shutter doors, revolving doors,

Unit 8: Steel plated doors, metal covered play wood doors, Corrugated steel,

Unit 9: Doors, swinging doors, Doors in combination with windows,

Unit 10: Ventilations, swing doors, Window, bay window, cable window, sky light, north light

Reference Books:
2. Materiality and Interior Construction by James (Jim) C Postell, Nancy Gesimondo

YEAR II

BAID21 --- Art & Architecture History

Unit 1: Primitive beginning – (Stone Age to Neolithic)

Unit 2: Birth of civilization – (Asia minor, Egyptian, Mesopotamian)

Unit 3: Indian Context (Indus Valley Civilization, Aryan Civilization,

Unit 4: Hindu Architecture – Temples, Khajurao)

Unit 5: History of Art

Unit 6: Indian art from pre-historic-renaissance

Unit 7: Contemporary art in India

Unit 8: Presentation on the works of : Rabindra Nath Tagore, Nand Lal Bose, Amrita Sher Gill, M.F. Hussain, Satish Gujral.

Reference Book:
2. Interior Design by Jenny Gibbs.

BAID22 --- Interior Furnishing

Unit 1: Ceiling Treatment, False Ceiling

Unit 2: Walls-Wall Treatment

Unit 3: Door and Windows – Simple and Designer

Unit 4: Flooring: Types, Use and Rates

Unit 5: Furnishing of Residence and Office

Unit 6: Furnishing using Accessories

Unit 7: Wall Treatment of Residence and Offices

Unit 8: Importance of Lighting


Unit 11: Concept - carpets and rugs - machine made carpets, Coir and latex, rubberized coir - durries – coir Matting.

Unit 12: Purpose of upholstery- structure of upholstery - layers of upholstery - cotton cloth.

Unit 13: Jute cloth- spiral springs- gunny cloth, padding Materials, lining cloth, covering material

Reference Book:
1. Contemporary Western Design: High-Style Furniture and Interiors by Thea Marx
2. Interior design: a laboratory manual for house furnishing by Alice Waugh.

BAID23 --- Life Space Planning

Unit 1: Concept of space – factors influencing living space, requirements, need for space, space occupancy, owner ship, style and other general factors.

Unit 2: Significance of housing – functions of house, selection of site, Types of house plans, site plan, floor plan, elevation, cross – sectional plan, perspective plan. Satisfaction in – individual houses, multi-stored flats, row houses, one room apartments.

Unit 3: Division of space – private, public, work and traffic – definition, utility, determinants, Utility space – laundry facilities.

Unit 4: Principles of House plan – Aspect, orientation, prospect, privacy, grouping, roominess, flexibility, circulation furniture requirements, sanitation, considerations.

Unit 5: Methods of construction - Types of construction – meaning, basic knowledge in types of construction – load bearing and non-load bearing and Cast in site and Prefabrication – advantages and limitations.

Reference Book:

BAID24 --- Interior and Exterior Treatments

Unit 1: Climate, study of climate condition, air temperature, relation humidity, Ventilation, types of heat, shedding of heat, movement of air coding of air, Humidification, mechanical ventilation, natural ventilation, thermal control.

Unit 3: Electric light sources, development of non-electric light sources, lamp color, Distribution systems, advantages of electric environment, Protection devices, Planning, sources of water supply system, types of pipes, plumbing systems, Tap value & cocks, Storage tank, house plumbing.

Unit 4: Water supply, hot and cold supply, sanitary engineering, Sewer, sewage disposal, water carriage system.

Unit 5: Refuse disposal, types of disposal, quality & quantity of refuse, Storage & separation of disposal, refuse collection, recovery of refuse, Conservancy system, water arrange systems, Septic tank, construction.

Unit 6: Soil adsorption, methods of soil absorption systems, pipe & pipe fitting.

Unit 7: Sanitary fitting, types of sanitary fittings, domestic storage campsites, Urinals requirements for sanitary fittings, drains & services, open drains, draw section.

Unit 8: Fire fighting, causes of fire in buildings, types of fire, spread of fire, Fire safety.

Reference Books:

BAID25P --- Practical Life Space Planning

BAID26P --- Project Interior Design Studio

YEAR III

BAID31 --- Entrepreneurship Development

Unit 1: Entrepreneurship: Concept/meaning, Need, Competencies/qualities of an entrepreneur.

Unit 2: Entrepreneurial Support System: District Industry Centres (DICs), Commercial Banks, State Financial Corporations, Small Industries Service Institutes (SISIs), Small Industries Development, Bank of India (SIDBI), National Bank for Agriculture and Rural Development (NABARD), National Small Industries Corporation (NSIC) and other relevant institutions/organizations at State level Market Survey and Opportunity Identification (Business Planning).

Unit 3: How to start a small scale industry, Procedures for registration of small scale industry, List of items reserved for exclusive manufacture in small scale industry, Assessment of demand and supply in potential areas of growth, Understanding business opportunity, Considerations in product selection, Data collection for setting up small ventures.

Reference Books:
1. A Handbook of Entrepreneurship, Edited by BS Rathore and Dr JS Saini; Aapga Publications, Panchkula (Haryana)
2. Entrepreneurship Development by CB Gupta and P Srinivasan, Sultan Chand and Sons, New Delhi
3. Environmental Engineering and Management by Suresh K Dhamija, SK Kataria and Sons, New Delhi
BAID32 --- Computer Aided Design

Unit 1: Computer basics
Unit 2: window XP.
Unit 3: Paint brush.
Unit 4: control panel.
Unit 5: Printing, scanning.
Unit 6: internet.
Unit 7: Ms- Word, ms-excel, MS-PowerPoint.
Unit 8: Auto-Cad: In this course the student will learn to use powerful software like AUTO C.A.D. the course is designed to offer knowledge about the modern 2d & 3d techniques. Advanced tools allow to the designer to analyze conditions.

Unit 9: In This Course The Student Will Learn To Use Powerful Software Like 3ds-Max. The Course Is Designed To Offer Knowledge About The Modern 3d Techniques. Advanced Tools Allow To The Designer To Analyze Conditions.

Reference Books:
3. AutoCAD Tutorials by Frede Uhrskov.
4. Introducing 3ds Max by Dariush Derakhshani, Randi Lorene Munn.

BAID33P --- Practical-Computer Aided Design
BAID34P --- Portfolio Development - Project Work and Viva Voce

***************