

**ROYAL SCHOOL OF ARCHITECTURE**

**(RSA)**

**SYLLABUS**

**&**

**COURSE STRUCTURE**

**BACHELOR OF INTERIOR DESIGN**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **ROYAL SCHOOL OF ARCHITECTURE BID** | | | | | | |  | | | | | | **BID 2017 BATCH** | |
| **Semester** | | **CORE COURSE (14)** | **credit** | **Ability Enhancement Compulsory course(AECC) (9)** | **credit** | **Ability Enhancement Elective Course (AEEC) (2) (Skill Based)** | **credit** | **Elective:Discipline Specific DSE-4** | **credit** | **Elective: Generic (GE) (8)** | **credit** | **No of papers each semester** | | **Total credits** |
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|
| I | | **Core 1** History & Theory of Interior Design I | 2 | Foundation Studies : Communication Skills | 1 |  |  |  |  | GE -1 Elements of Design | 3 | 10 | | 23 |
| **Core 2** Design Rendering and Digital Representation Technique I | 5 | Foreign Language-I \*\* | 2 | GE-2 Workshop and Field Installation I | 2 |
|  |  | Environmental Science / India-Land of Diversity | 3 |
| Physical Education I | 1 | GE -3  Group Project I | 3 |
| Concept of Behavioural Science | 1 |
| II | | **Core 4** Interior Design I  (Residential) | 3 | Communicative and Functional English | 1 |  |  |  |  | GE – 1 Design Rendering and Digital Representation Technique II | 3 | 11 | | 24 |
| **Core 5** History and Theory of Interior Design II | 2 | Foreign Language- II\*\* | 2 | GE – 2  Group Project II | 3 |
| **Core 6** Construction I, Materials and Fixtures I | 3 | Environmental Science / India-Land of Diversity | 3 | GE -3 Workshop II | 3 |
| Physical Education II | 1 |
| Understanding self and others | 1 |
| III | | **Core 8** Interior Design III(Office) | 8 | Communicative English – III | 1 | AEEC/SEC/-1\* | 2 |  |  | GE -1 Measured Drawing | 3 | 7 | | 24 |
| **Core 9** Building Construction & Material II | 4 | GE-2 Furniture Design-1 | 3 |
| **Core 10** Ergonomics& Human Behaviour | 3 |
| IV | | **Core 11**  Interior Design IV ( Commercial) | 8 | Communicative English-IV | 1 | AEEC/SEC/-2\* | 2 | DSE 1 | 3 | GE -1 Model making Workshop / List of Electives (Compulsory) | 3 | 7 | | 24 |
| **Core 12**  Building Construction & Material III | 4 | GE-2 Furniture Design-II | 3 |
| V | | **Core 13**  Interior Design V (5 star Hotels) | 8 | Communicative English-V | 1 |  |  | DSE-2 | 3 | GE-1 Case study of Services&Group Project | 2 | 7 | | 24 |
| **Core 14**  Building Construction & Material IV | 4 |  |  | GE-2 Colour Apperception / List of Electives (Compulsory) | 3 |
| **Core 15** Building Services I (water supply and sanitation) | 3 |
| VI | | **Core 16** Interior Des VI(Auditorium/ theatre) | 8 | Communicative English-VI | 1 |  |  | DSE-3 | 3 | GE1- Project Management/ List of Electives (Open) | 3 | 7 | | 24 |
| **Core17** Working Drawing | 4 | GE 2- Acoustics | 2 |
| **Core 18** Building Services II ( Electrical, Lifts & Elevators | 3 |
| VII | | **Core 19** Interior Design VII (Health Care) | 10 |  |  |  |  | DSE-4 | 3 | GE-1  Start up ventures & Entrepreneurship/ List of Electives (open) | 3 | 6 | | 24 |
| **Core 20** Building Services III (HVAC  and fire fighting) | 3 | GE-2 Pre Thesis | 2 |
| **Core 21** Estimation & Costing & Tendering | 3 |
| VIII | | **Core 22** Thesis | 15 |  |  |  |  |  |  |  |  | 2 | | 19 |
| **Core 23** Professional training- Report Submission | 4 |
| **Total** | |  | **107** |  | **20** |  | **4** |  | **12** |  | **44** | **57** | | **186** |
| **Note: Internship of 2 Months/8 weeks to be completed within vacation period after 6th Semester.** | | | | | | | | | | | | |  | |
|  | | | | | | | | | | | | | | |
|  | **AEEC/SEC-1 (in third semester)** | | **AEEC/SEC-2( in fourth semester)** |  | **DSE-1** | | | | **DSE-2** | | | |  | |
| **(Choose any one)** | | **(Choose any one)** |  | 1. Interior Landscape 2. Photoshop 3. Photography 4. Illustrator | | | | 1.Materials Documentation 2 Vastu in Interiors 3. Green Buildings 4. Vernacular Design Studies | | | |
| 1 | **Autocad** | | **REVIT/ArchiCad/Sketch up** |  | DSE -3 | | | | DSE 4 | | | |  | |
| 2 | ILD-1 | | ILD-2 |  | 1. Design Journalism | | | | 1. In design | | | |  | |
| 3 | FRENCH-1 | | FRENCH-2 |  | 2. Affordable Design/ Cost Effective Sol. | | | | 2. 3d Max | | | |  | |
| 4 | C++ | | LATEX |  | 3. Industrial Design / Product Design | | | | 3. Rhino | | | |  | |
| 5 | Any other course offered by other schools of RGU and opted by Student | | Any other course offered by other schools of RGU and opted by Student |  | 4. Study on illumination 5. Culture Studies | | | | 4. Grasshopper 5.Lumion | | | |  | |

**Bachelor of Interior Design**

**Programme Structure**

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| 1st SEMESTER |

|  |  |  |  |  |  |  |  |  |  |  |
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| **Sl. No.** | **Subject Code** | **Names of subjects** |  | | | | | | | |
| **L** | **T** | | **S/P** | **C** | | **TCP** | |
| 1 | IDS132111 | Elements of Design | 0 | 0 | | 6 | 3 | | 6 | |
| 2 | IDS132102 | History & Theory of Interior Design -1 | 2 | 0 | | 0 | 2 | | 2 | |
| 3 | IDS132113 | Design Rendering & Representation Technique ( Art, Graphics, Photography) | 2 | 0 | | 6 | 5 | | 8 | |
| 4 | IDS132124 | Group Project (Practical’s)1 | 0 | 0 | | 6 | 3 | | 6 | |
| 5 | IDS132115 | Workshop and Field Installation | 0 | 0 | | 4 | 2 | | 4 | |
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|  | | | | | | | | | | |
| **Employability & Personality Enhancement Courses (EPEC)\*** | | | | | | | | | | |
| **6** | CEN992101 | Foundation Studies: Communication Skills | 1 | 0 | 0 | | | 1 | | 1 |
| **7** | FLG992102 | Foreign Language - I\*\* | 2 | 0 | 0 | | | 2 | | 2 |
| **8** | ENV992103/ILD992103 | Environmental Science / India - land of Diversity | 3 | 0 | 0 | | | 3 | | 3 |
| **9** | PHE992114 | Physical Education - I | 0 | 0 | 2 | | | 1 | | 2 |
| **10** | BHS992105 | Concepts of Behavioral Science | 1 | 0 | 0 | | | 1 | | 1 |
|  |  |  |  |  |  | | |  | |  |

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| 2nd SEMESTER |

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| **Sl. No.** | | **Subject Code** | | **Names of subjects** | | **L** | | **T** | | **S/P** | | **C** | | **TCP** | |
|  | |  | |  | |  | |  | |  | |  | |  | |
| **1** | | IDS132211 | | Interior Design1 Residential | | 0 | | 0 | | 6 | | 3 | | 6 | |
| **2** | | IDS132202 | | History & Theory of Interior Design -2 | | 2 | | 0 | | 0 | | 2 | | 2 | |
| **3** | | IDS132213 | | Design Rendering & Digital Representation Technique (Introduction to Photoshop, Soft skills) | | 0 | | 0 | | 6 | | 3 | | 6 | |
| **4** | | IDS132224 | | Group Project (Practical’s)2 | | 0 | | 0 | | 6 | | 3 | | 6 | |
| **5** | | IDS132215 | | Workshop and Field Installation | | 0 | | 0 | | 4 | | 2 | | 4 | |
| **6** | | IDS132216 | | Construction I, Materials & Fixtures | | 1 | | 0 | | 4 | | 3 | | 5 | |
| **Employability & Personality Enhancement Courses (EPEC)\*** | | | | | | | | | | | | | | | |
| **7** | | CEN992201 | | Communicative & Functional English | | 1 | | 0 | | 0 | | 1 | | 1 | |
| **8** | | FLG992202 | | Foreign Language - II\*\* | | 2 | | 0 | | 0 | | 2 | | 2 | |
| **9** | | ILD992203/ENV992203 | | India - land of Diversity/Environmental Science | | 3 | | 0 | | 0 | | 3 | | 3 | |
| **10** | | PHE992214 | | Physical Education - II | | 0 | | 0 | | 2 | | 1 | | 2 | |
| **11** | | BHS992205 | | Understanding Self and Others | | 1 | | 0 | | 0 | | 1 | | 1 | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3rd semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No. | Subject Code | | | Names of subjects | | | | | | | | Teaching Scheme | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | | | | | T | | | | | | S/P | | | | C | | | | | | TCP | | | | |
| 1 | IDS132C311 | | | Interior Design III (Office) | | | | | | | | 0 | | | | | 0 | | | | | | 8 | | | | 8 | | | | | | 8 | | | | |
| 2 | IDS132C312 | | | Building Construction& Materials II | | | | | | | | 0 | | | | | 0 | | | | | | 4 | | | | 4 | | | | | | 4 | | | | |
| 3 | IDS132S313 | | | AEEC/SEC-1\* | | | | | | | | 0 | | | | | 0 | | | | | | 6 | | | | 2 | | | | | | 6 | | | | |
| 4 | IDS132G324 | | | Measure Drawing | | | | | | | | 0 | | | | | 1 | | | | | | 4 | | | | 3 | | | | | | 5 | | | | |
| 5 | IDS132C315 | | | Ergonomics & Human behavior | | | | | | | | 2 | | | | | 0 | | | | | | 2 | | | | 3 | | | | | | 4 | | | | |
| 6 | IDS132G326 | | | Furniture Design-1 | | | | | | | | 2 | | | | | 0 | | | | | | 2 | | | | 3 | | | | | | 4 | | | | |
|
| **Ability Enhancement Compulsory Courses (AECC) \*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | CEN982A301 | | | Communicative English - III | | | | | | | | 1 | | | | | 0 | | | | | | 0 | | | | 1 | | | | | | 1 | | | | |
| 8 | EVS982A303 | | | Environmental Science | | | | | | | | 2 | | | | | 0 | | | | | | 0 | | | | 2 | | | | | | 2 | | | | |
|  |  | | | **Sub Total** | | | | | | | | 7 | | | | | 1 | | | | | | 26 | | | | 26 | | | | | | 34 | | | | |
| 4th semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No. | | | Subject Code | | | Names of subjects | | | Teaching Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | | | | | | T | | | | | | P | | | | | | | | C | | | | | | TCP | | |
| 1 | | | IDS132C411 | | | Interior Design IV (Commercial) | | | 0 | | | | | | 0 | | | | | | 8 | | | | | | | | 8 | | | | | | 8 | | |
| 2 | | | IDS132C412 | | | Building Construction & Materials III | | | 0 | | | | | | 0 | | | | | | 4 | | | | | | | | 4 | | | | | | 4 | | |
| 3 | | | IDS132S413 | | | AEEC/SEC-2\* | | | 0 | | | | | | 0 | | | | | | 6 | | | | | | | | 2 | | | | | | 6 | | |
| 4 | | | IDS132G414 | | | Model making workshop  / List of Electives (Compulsory) | | | 0 | | | | | | 2 | | | | | | 2 | | | | | | | | 3 | | | | | | 4 | | |
| 5 | | | IDS132G425 | | | Furniture Design-II | | | 2 | | | | | | 0 | | | | | | 2 | | | | | | | | 3 | | | | | | 4 | | |
| 6 | | | IDS132D426 | | | DSE-1 | | | 3 | | | | | | 0 | | | | | | 0 | | | | | | | | 3 | | | | | | 3 | | |
| **Ability Enhancement Compulsory Courses (AECC) \*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | CEN982A401 | | | Communicative English - IV | | | 1 | | | | | | 0 | | | | | | 0 | | | | | | | | 1 | | | | | | 1 | | |
|  | | |  | | |  | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | |  | | |
|  | | |  | | |  | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | |  | | |
|  | | |  | | | **Sub Total** | | | 6 | | | | | | 2 | | | | | | 22 | | | | | | | | 24 | | | | | | 30 | | |
| 5th semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No. | Subject Code | | | | Names of subjects | | | | | | | | Teaching Scheme | | | | | | | | | | | | | | | | | | | | | | | | |
| L | | | | | T | | | | | | P | | | | C | | | | | | TCP | | | |
| 1 | IDS132C511 | | | | Interior Design V (5 Star Hotels) | | | | | | | | 0 | | | | | 0 | | | | | | 8 | | | | 8 | | | | | | 8 | | | |
| 2 | IDS132C512 | | | | Building Construction & Materials IV | | | | | | | | 0 | | | | | 0 | | | | | | 4 | | | | 4 | | | | | | 4 | | | |
| 3 | IDS132C502 | | | | Building Services1  (Water supply & Sanitary) | | | | | | | | 1 | | | | | 0 | | | | | | 4 | | | | 3 | | | | | | 5 | | | |
| 4 | IDS132G524 | | | | Case Study of Services and Group Project | | | | | | | | 0 | | | | | 0 | | | | | | 4 | | | | 2 | | | | | | 4 | | | |
| 5 | IDS132G515 | | | | Color Apperception / List of Electives (Compulsory) | | | | | | | | 0 | | | | | 2 | | | | | | 2 | | | | 3 | | | | | | 4 | | | |
| 6 | IDS132D516 | | | | DSE-II | | | | | | | | 3 | | | | | 0 | | | | | | 0 | | | | 3 | | | | | | 3 | | | |
| **Ability Enhancement Compulsory Courses (AECC) \*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | CEN982A501 | | | | Communicative English - V | | | | | | | | 1 | | | | | 0 | | | | | | 0 | | | | 1 | | | | | | 1 | | | |
|  |  | | | | **Sub Total** | | | | | | | | 5 | | | | | 2 | | | | | | 22 | | | | 24 | | | | | | 29 | | | |
| 6th semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No. | | | Subject Code | | | | Names of subjects | | | Teaching Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | | | | | | T | | | | | | P | | | | | | | | | C | | | | | | TCP |
| 1 | | | IDS132C611 | | | | Interior Design VI  (Auditorium/ Theatre) | | | 0 | | | | | | 0 | | | | | | 8 | | | | | | | | | 8 | | | | | | 8 |
| 2 | | | IDS132C612 | | | | Working Drawing | | | 2 | | | | | | 0 | | | | | | 4 | | | | | | | | | 4 | | | | | | 6 |
| 3 | | | IDS132C603 | | | | Building Services 2  (Electrical & Lifts & Escalators) | | | 1 | | | | | | 0 | | | | | | 4 | | | | | | | | | 3 | | | | | | 5 |
| 4 | | | IDS132G624 | | | | Project Management/ List of Electives (Open) | | | 3 | | | | | | 0 | | | | | | 0 | | | | | | | | | 3 | | | | | | 3 |
| 5 | | | IDS132G615 | | | | Acoustics | | | 1 | | | | | | 0 | | | | | | 2 | | | | | | | | | 2 | | | | | | 3 |
| 6 | | | IDS132D616 | | | | DSE-III | | | 3 | | | | | | 0 | | | | | | 0 | | | | | | | | | 3 | | | | | | 3 |
| **Ability Enhancement Compulsory Courses (AECC) \*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | CEN982A601 | | | | Communicative English - VI | | | 1 | | | | | | 0 | | | | | | 0 | | | | | | | | | 1 | | | | | | 1 |
|  | | |  | | | | **Sub Total** | | | 9 | | | | | | 0 | | | | | | 18 | | | | | | | | | 24 | | | | | | 29 |
| **Note: Internship of 2 Months /8 weeks to be completed within vacation period after 6th Semester.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7th semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No. | Subject Code | | | | Names of subjects | | | | | | | | | Teaching Scheme | | | | | | | | | | | | | | | | | | | | | | | |
| L | | | | | | T | | | | | P | | | | | C | | | | | | TCP | |
| 1 | IDS132C711 | | | | Interior Design VII (Health Care) | | | | | | | | | 0 | | | | | | 0 | | | | | 10 | | | | | 10 | | | | | | 10 | |
| 2 | IDS132C702 | | | | Building Services III (HVAC and firefighting) | | | | | | | | | 1 | | | | | | 0 | | | | | 4 | | | | | 3 | | | | | | 5 | |
| 3 | IDS132C703 | | | | Estimating ,Costing &Tendering | | | | | | | | | 3 | | | | | | 0 | | | | | 0 | | | | | 3 | | | | | | 3 | |
| 4 | IDS132G704 | | | | Startup Ventures and Entrepreneurship/ List of Electives (Open) | | | | | | | | | 3 | | | | | | 0 | | | | | 0 | | | | | 3 | | | | | | 3 | |
| 5 | IDS132G715 | | | | Pre Thesis | | | | | | | | | 0 | | | | | | 0 | | | | | 6 | | | | | 2 | | | | | | 6 | |
| 6 | IDS132D716 | | | | DSE-IV | | | | | | | | | 3 | | | | | | 0 | | | | | 0 | | | | | 3 | | | | | | 3 | |
|  |  | | | | **Sub Total** | | | | | | | | | 10 | | | | | | 0 | | | | | 20 | | | | | 24 | | | | | | 30 | |
| 8th semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No. | | Subject Code | | | Names of subjects | | | Teaching Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | | | T | | | | | | | | P | | | | | | | C | | | | | | TCP | | | | | |
| 1 | | IDS132C821 | | | Thesis | | | 0 | | | 0 | | | | | | | | 15 | | | | | | | 15 | | | | | | 15 | | | | | |
| 2 | | IDS132C822 | | | Professional Training- Report Submission | | | 0 | | | 0 | | | | | | | | 30 | | | | | | | 4 | | | | | | 30 | | | | | |
|  | |  | | | **Sub Total** | | | 0 | | | 0 | | | | | | | | 45 | | | | | | | 19 | | | | | | 15 | | | | | |
| **TOTAL** | | | | | | | |  | | |  | | | | | | | |  | | | | | | | **82** | | | | | | **226** | | | | | |

**SYLLABUS (1ST SEMESTER)**

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Portfolio
* **Mid-term examination:** 20%
* **End term examination:** 70 %

**Paper I: Elements of Design**

**Subject Code: ARC132111**

**Credit Units: 03**

**Course Objective:**

* To develop an understanding of elements of design in abstract and application of Principles of Design.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Design Elements | * Lines: properties and nature of lines along with usage * SHAPE AND FORMS: organic/ geometric shapes and understanding their role w.r.t space (positive/negative) | **32** |
| **II.** | Texture and colour | * Textures: tactile texture, visual texture and how they are implied * Colour: HUE-SATURATION, VALUE, INTENSITY nature of Colour, implications | **16** |
| **III.** | Design principles | * Balance (symmetrical/asymmetrical) * Contrast (anomaly,emphasis,subordination) * Rhythm/ repetition * Proportion/scale * Harmony and unity. * Variety * Radiation | **32** |
| **IV.** | Basics of  Graphic Design | Graphic Design, logo design, tile border design, Wall mural | **16** |
| **Total** | | | **96** |

**Text/Reference Books:**

1. Wong, Wucius; *Principles of two dimensional design;* 1st Ed.; 1972; John Wiley; New York
2. Wong, Wucius; *Principles of three dimensional design*; 1st Ed.; 1977; Van Nostrand; New York

**Course Outcomes:**

* To impart principles of basic design which is a fundamental subject for

any branch of Design.

* Application of principles of basic design to Interior Design.

**Paper II:History & Theory of Interior Design**

**Subject Code: IDS132102**

**Credit Units: 02**

**Course Objective:**

* To orient & equip the student with soft skills of Art,Graphics & photography.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Fundamentals of Design | Line,plane,volume,symmetry,rhythm, harmony etc | **6** |
| **II.** | Positive & Normative Theory | Proxemic theory, privacy theory, assets & liabilities of group design etc. | **6** |
| **III.** | Early Egyptian,  Mesopotamian & Greek period | Characteristic & visual impact of furniture like Folding Furniture, Fitted furniture, Wooden furniture, Characteristic of Mesopotamian Furniture  Greek Furniture (Importance – Chairs, Klismos, Couches etc | **10** |
| **IV.** | RomanPeriod& Middle Ages | (Chairs ,stools, Couches & others )  History and Social context Early Mediaeval , Romanesque, Gothic Furniture | **10** |
| **Total** | | | **32** |

**Text/Reference Books:**

1. Ahmed,A.Kasu; *Interior design*; 1st Ed.; 2009; Ashish Book Centre; Mumbai
2. Seetharaman, Premavathy; *Interior Design & Decoration*; 1st Ed.; 2009; CBS; New Delhi
3. Ching D.K; *Architecture: Form, space & order*; 1st Ed.; 2007; John Wiley; New York

**Course Outcomes:**

To learn the importance of historical background in the creation of new designs and themes.

**Paper III: Design Rendering, RepresentationTechnique**

**(Art, Graphics & photography)**

**Subject Code: IDS132113**

**Credit Units: 05**

**Course Objective:**

* To orient & equip the student with soft skills of Art,Graphics & photography.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Orthographic Projections | Plan, Elevation , Section | **36** |
| **II.** | Isometric & Axonometric Projections | Preparation of views of basic figures | **36** |
| **III.** | Fundamentals of Photography & Photography styles | Use of camera, light exposure, depth of field, Monochrome, colours, landscape,  portrait, interior & exterior photography  Use of filter, zoom & lenses | **36** |
| **IV.** | Fundamentals of Art & Thematic Representation. | Pencil rendering, sketching, water colouring, types of colours, colour wheel, colour schemes & to prepare basic theme of single room using fundamentals learnt . | **20** |
| **Total** | | | **128** |

**Text/Reference Books:**

1. Bhatt, N.D and Panchal, V. M; *Engineering drawing;* 1st Ed.; 2008; Charotar Publishing House; Gujrat
2. Scott,R.G; *Design Fundamentals*; 2nd Ed.; 2009; R.E. Kreiger; New York
3. Itten, Johannes; *Elements of colours*; 1st Ed.; 1970;  Chapman & Hall;
4. Kelby, Scott; *Digital photography book*; 1st Ed.; 2013; Peachpit Press; San Francisco
5. Doug Herman & David Jones; *Digital photography handbook: An illustrated step by step*guide; 5th Ed.; 2016;Quercus; London

**Course Outcomes:**

* To introduce the students to the Skills & Techniques of design & representation, Photography

**Paper IV: Group Project (Practical I)**

**Subject Code: IDS132124**

**Credit Units: 03**

**Objective:**

* To introduce & orient students towards the concept of Interior Design.
* To enable students to identify, analyse& sensitize towards good concepts of Interior Design.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Photography, Analysis. | Photography of chosen live case studies, analysis of both live & published case studies as a group studies. | **48** |
| **II.** | Documentation of Live & Published case studies. | Documenting selected live & published case studies along with inferences. | **12** |
| **III.** | Study, analysis & interpretation of different types of Interior design projects. | Faculty guided visits to different types of projects like- Residential, commercial, office etc. | **24** |
| **IV.** | Portfolio | Portfolio creations. | **12** |
| **Total** | | | **96** |

**Text/Reference Books:**

1. Ahmed,A.Kasu; *Interior design*; 1st Ed.; 2009; Ashish Book Centre; Mumbai
2. Seetharaman, Premavathy; *Interior Design & Decoration*; 1st Ed.; 2009; CBS; New Delhi
3. Yee, Roger; *Corporate interior;* 1st Ed.; 2007; Visual Reference Publications; New York
4. Collection of Inside Outside, Interiors Magazines.

**Course Outcomes:**

Orientation &Sensitisation towards good practices of Design.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Presentation 70%
* **End term examination: 2**0 %
* **Attendance :** 10%

**Paper V: Workshop & Installations**

**Subject Code:IDS132115**

**Credit Units: 04**

**Objective:**

Introduction to the use of different types of tools used in carpentry, welding and masonry.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **period** |
| **I** | Installation  (Part I)  Carpentry (Timber) | * Introduction to the carpentry tools, processes, joints and wood working machines * Preparation of various carpentry joints, fixing of plywood, blackboards, commercial boards etc. and their application in furniture. | **16** |
| **II** | Installation  (Part II) | * Handling materials like POP, gypsum, Aluminum etc. * Understanding nailing, screwing, riveting and their various conditions and types of applications. * Hands on experience to come up with a product or installation | **16** |
| **III** | Fabrication  Installation | * Introduction to welding equipment, processes and its applications * Hands on experience to come up with a product or installation | **16** |
| **IV** | Masonry  Installation | * Installations with bricks and brick bats. Making of Geometrical forms on the ground. | **16** |
| **Total** | | | **64** |

**Course Outcomes:**

Practical exposure to students.

**SYLLABUS (2nd SEMESTER)**

**Paper I:Interior Design I (Residential)**

**Subject Code: IDS132211**

**Credit Units: 03**

**Objective:**

To translate knowledge of abstract design principles through enhancement of thought process into a workable design

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Design of small space of a residence (1). | Basic human functions and their implications for space requirements.Minimum and optimum areas for mono functions. User’s data. Movement and circulation diagrams. | **24** |
| **II.** | Design of small space of a residence (2). | Basic human functions and their implications for space requirements.Minimum and optimum areas for mono functions. User’s data. Movement and circulation diagrams. | **24** |
| **III.** | Design of small space of a residence (3). | Basic human functions and their implications for space requirements.Minimum and optimum areas for mono functions. User’s data. Movement and circulation diagrams. | **24** |
| **IV.** | Design of small space of a residence (4). | Basic human functions and their implications for space requirements.Minimum and optimum areas for mono functions. User’s data. Movement and circulation diagrams. | **24** |
| **Total** | | | **96** |

**Text/Reference Books:**

1. De Chiara, Joseph and Crosbie, Michael J.; *Time saver standards for building types;* 2nd Ed.; 2011; Tata McGraw Hill; New Delhi
2. Neufert, Peter; *Neufert’s architects' data;* 4th Ed.; 2012; John Wiley; New Delhi
3. Ramsay and Sleeper; *Architectural graphic standard;* 11th Ed.; 2008; John Wiley; New York

**Course outcomes:**

The students will

* be able to critically analyze a space with a design eye and come up with strategic design solutions
* develop a sense of aesthetics
* understand the importance of presentation drawings

**Paper II: History & Theory of Interior Design-2**

**Subject Code: IDS132202**

**Credit Units: 02**

**Objective:**

* To orient student toward development of Interior Design & Furniture through Renaissance Period , Development in France, England, Style Agency, Rococo, Directoire& others.
* For a broad based understanding of Interior & Furniture history of different places.
* To expose the students to Historical & Theoretical context for developing Interior Design concepts

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Classical Revival Furniture, Development in France, Neo classicism | Neoclassical, Italian Directoire , Italian Empire, Early Renaissance, High Renaissance, Baroque, Style Regence & Rococo, Style & Characteristics | **10** |
| **II.** | Empire & 2nd Empire, Development in England, History of 20th century Interior decoration & Furniture | Art Nouveau, French Provincial Tudor, Early Stuart, William & Mary, Victorian Styles Germany, Netherland, France, England, Italy & U.S.A | **10** |
| **III.** | Positive & Normative theory | Aesthetic theory, Symbolic Aesthetic, Cognitive maps, etc. | **6** |
| **IV.** | Fundamentals of human behavior | Anthropometry, Ergonomics &Behavior settings | **6** |
| **Total** | | | **32** |

**Text/Reference Books:**

1. Ahmed,A.Kasu; *Interior design*; 1st Ed.; 2009; Ashish Book Centre; Mumbai
2. Seetharaman, Premavathy; *Interior Design & Decoration*; 1st Ed.; 2009; CBS; New Delhi
3. *Positive architecture theory*; Lang, John; (Photostat copy available in the library)

**Course Outcomes:**

* To Comprehend the continuity & linkages of Furniture Development & integrate elements in one’s own Design .

**Paper III: Design Rendering and representation Technique**

**Subject Code:IDS132213**

**Credit Units: 03**

**Objective:**

Introduction to use of computers and a brief introduction to Photoshop.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** |
| **I.** | Introduction to Computers, Microsoft word, working with Excel, Power point | Familiarising with use of computers, file and system management, working knowledge of word, Excel and power point for professional work. | **24** |
| **II** | Introduction to adobe photoshop  Basic image editing tools | About photoshop  Navigation photoshop  Menu and panels  Exporting image  Working with multiple images  Cropping and basic modifications | **24** |
| **III.** | Working with layers  Painting in photoshop | Selection of layers  Layer preference  Layer modifications  Using the brush tool  Working with colours and swatches  Using gradients. | **24** |
| **IV** | Project work | Application of the tools learnt by Individual project work. | **24** |
| **Total** | | | **96** |

**Text/Reference Books:** Hands on training.

**Course Outcomes:**

Training students with use of computers and basic tools used in the current professional world to enhance their employability prospects.

**Paper IV:Group Project (Practical-2)**

**Subject Code: :IDS132224**

**Credit Units: 03**

**Objective:**

Practical orientation towards Interior Design by measure Drawing

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | Scale, Measurement methods. | Measurement of minor & major spaces. | **18 classes** |
| **II.** | Interpretation & Documentation. | Interpretation of measurements & documentation of the same along with verification. | **12 classes** |
| **III.** | Measure drawing. | Graphical representation (plan , elevation & section) of the measured major space. | **60classes** |
| **IV.** | Finishing materials | Market survey, samples tab creation in material lab. | **6** |
| **Total** | | | **96** |

**Text/Reference Books:**

Archived Drawings / Books in the Library

**Course Outcomes:**

Practical Training towards Measure Drawing

**Paper V: Workshop & Installations**

**Subject Code: IDS132215**

**Credit Units: 04**

**Objective:**

Development of concepts related to temporary installations with respect to Interiors

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Period** |
| **I** | Wall mural  (Part I) | Preparation of base/frame. | **8** |
| **II** | Wall mural  (Part II) | Cutting, Joinery, application | **24** |
| **III** | Wall mural  (Part III) | Pasting/fixing/welding/Painting etc. | **16** |
| **IV** | Wall mural  (Part IV) | Fixing,Finishing and installation of the final product. | **16** |
| **Total** | | | **64** |

**Course Outcomes:**

Practical exposure to students

**Paper VI: Building Construction and Material II**

**Subject Code: IDS132216**

**Credit Units: 03**

**Objective:**

* To introduce students to the technicalities of building construction and material
* To acquaint with various methods of construction

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Period** |
| **I** | Doors and its fixtures | Types of wooden Doors, i.e., ledged, braced, battened, panelled, flush and glazed doors, study of joinery details. | **24** |
| **II** | Material**:** Timber | Quality of timber used in building, defects, seasoning and preservation of timber, types ; Natural, hard and softwood, uses of timber for aesthetic & structural purposes | **16** |
| **III** | Windows and its fixtures | Types of wooden glazed windows, Fixed, side and top hung pivoted, louvered, ventilators and fanlights, study of joinery details. | **24** |
| **IIB** | Material: Commercial wood | Uses of commercial wood in building i.e., plywood, block boards, particleboards, veneers and laminates and other types. | **16** |
| **Total** | | | **80** |

**Text/Reference Books:**

1. Mackay, W.B. ; *Building construction*; 1st Ed.; 2005; Donheed; London
2. Chudley, R; *Construction technology*; 2nd Ed.; 1987; ELBS; Harlow
3. Barry, R; *Construction of building*; 4th Ed.; 1999; East West Press; New Delhi

**Course Outcomes:**

The students will

* Be introduced to construction material and their various construction techniques
* Be oriented to various texture, color of materials along with their strength and durability

**SYLLABUS (3rd SEMESTER)**

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper I: Interior Design III (Office)**

**Subject Code: IDS132C311**

**Credit Units: 08 L-T-P-C: 0-0-8-8**

**Objective**:

* To introduce the basics of designing for office interiors and to develop skills required for the same.

**Pre Requisite: No pre requisite.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | | **Marks** |
| **I.** | Introduction & Measured drawing | Introduction of the design project.  Measured drawing layout of the space for the proposed interior. | **32** | | **25** |
| **II.** | Design development 1  (Consulting Office for professional practitioner) | Planning for small office – office of architects, interior designers, lawyer, and auditor – individual layouts,  Modular units .play with levels.  Lighting &colour scheme – natural & artificial light. | **30** | | **25** |
| **III.** | Design Development 2 (Corporate Office) | Interior designing for multi functional, multi level planning, design and detailing of various work spaces, interactions zones.  Design of corporate Environments such as BPO, corporate office | **48** | | **25** |
| **IV.** | Time problem  (Shops) | Planning for retail activity – anthropometrics  – types of Shop layouts Modular units.  Materials used in counters, shelves,  worktops, their comparative study.  Lighting &colour scheme – natural & artificial light. | **18** | | **25** |
| **Total** | | | **128** | **100** | |
|  | | |  |  | |

**Text Books:**

1. *Designs for 20th century Interiors* ,Leolie, Fiona*;* 1st Ed.; 2000; VH Publications; London.

**Reference Books:**

1. Diamonstein, Barbaralec; *Interior Design: The New Freedom;* 1st Ed.; 1982; Rizzoli International Publications; New York.
2. Poore, Jonathan; *Interior Colour by Design;* 1st Ed.; 1994; Rockport Publishers;
3. Sha, Rikuyo; *Worldwide Interiors: International Federation of Interior Architects & Designers;* 1987; Japan.

**Course Outcomes:**

The students will

* be able to critically analyze a space with a design eye and come up with strategic design solutions
* Develop a sense of aesthetics
* Understand the importance of presentation drawings

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper II: Building Construction and Materials II**

**Subject Code: IDS132C312**

**Credit Units: 04 L-T-P-C: 0-0-4-4**

**Objective**: The objectives of **Construction and Materials- II** is

* To introduce students to the technicalities of building construction and material
* To acquaint with various methods of construction

**Pre Requisites:** No prerequisites.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | **Partitions** | * Wooden Partition with glass fittings * Partition with MDF board (CNC Designs) * Partition finished with veneer, laminates and other new materials * Glass partition.   (Designs with joinery details) | **24** | **35** |
| **II.** | **Panelling** | * Wall panelling- wood, ply with laminate and veneer, PVC board, MDF board, foam and other new materials related to the present market   (Designs with joinery and fixing details) | **24** | **35** |
| **III.** | **Materials- I** | * Plywood, Veneer, Laminate, MDF, Hard wood, Block Board, WPC board, HDF board | **8** | **15** |
| **IV.** | **Material- II** | * Glass, PVC Board | **8** | **15** |
| **Total** | | | **64** | **100** |

**Text Books:**

1. “Building Construction” by W.B.Mackay.

**Reference Books:**

1. Chudley“Construction Technology”.
2. Barry “Construction of Building”

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**Course Outcomes:**

* To impart knowledge about partition and paneling in interior design.
* Prepare drawings with details.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper III: AEEC / SEC – 1\***

**Subject Code: IDS132S313**

**Credit Units: 02 L-T-P-C: 0-0-6-2**

**Course Objective:**

The objectives of **Design tools and Skills III**  are:

* To familiarize students with drawing aids and equipment along with learning to computerise design drawings.
* To orient students to the digital tools.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | **Interface** | Introduction to the interface, Digital drawings tools, drawing lines and shapes, modifying lines and shapes, drawing with accuracy and speed tools and commands. Page setup. | **16** |
| **II.** | **Drawing and Modifying** | Drawing and Modifying objects, properties, Units, dimensions, lines and pen weight. Blocks, array. | **16** |
| **III.** | **Introduction to Commands** | Basic drawing commands, editing commands, scaling, setting dimensioning variables etc. | **16** |
| **IV.** | **Presentation and plotting** | Presentation, hatching and rendering, texts, Layers, planes , views and viewports Import/export, layout , xref, print setup and plotting(with a specific project submission) | **16** |
| **Total** | | | **64** |

**Text Books:**

1. *Up and Running with AutoCAD 2015: 2D & 3D Drawing and Modelling*Gindis, E.;*Drawing;1st Ed.; 2014;* Elsevier; London.

**Reference Book:**

1. Seidler, D. R.; *Digital Drawing for Designers: A Visual Guide to AutoCAD 2012;* 1st Ed.; 2007; Fairchild Publications; London.
2. Smith, B. L.; *3ds Max 2008 Architectural Visualization Beginner to Intermediate;* 1st ed.; 2007; 3DATS; China.
3. Moss, Elise; *Autodesk AutoCAD Architecture 2016 Fundamentals;* 1st Ed.; 2011; SDC Publications; London.
4. Omura, George & Benton, Brian C; *Mastering AutoCAD 2016 and AutoCAD LT 2016;* 1st Ed.; 2017; John Wiley & Sons; London.

**Course Outcomes:** The students will

* Develop techniques of computerize architectural representation
* Comprehend an object or space and represent it graphically and digitally
* understand the importance of design tools .(autoCAD)

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper IV: Measure Drawing**

**Subject Code: IDS132G324**

**Credit Units: 03 L-T-P-C: 0-1-4-3**

**Objectives**: The objectives of **Case Study + Measure Drawing** are

* Practical orientation towards Interior Design of Offices by measure drawing.
* Study of materials used for interior of offices.

**Prerequisites:**

* Measure drawing and relation of scale.

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I** | **Case Study** | * Online and journal study on office spaces. * Live case study of any office spaces | **12** | **25** |
| **II** | **Measure drawing** | * Complete measure drawing of the live case study office space. | **20** | **25** |
| **III.** | **Material Study** | * Market survey of the various materials used in the live case study. | **16** | **25** |
| **IV.** | **Lights and Fixtures** | * Market and online survey of the various lights and fixtures that can be used in the interior project of offices. | **16** | **25** |
| **Total** | | | **64** | **100** |
|  | | |  |  |

**Text/Reference Books*:*** Hands on training**.**

**Course Outcomes:**

* To gain knowledge about materials in the market.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper IV: Ergonomics and Human Behavior**

**Subject Code: IDS132C315**

**Credit Units: 03 L-T-P-C: 2-0-2-3**

**Objective**:

The objectives of **Ergonomics and Human Behavior** are

* To develop an understanding of human scale for space design
* To design spaces w.r.t. functions.

**Prerequisites:**

* Understanding of scales.

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | **Human Scale** | * Learning about human dimensions * Understanding Human Dimension for various activities. | **9** | **20** |
| **II.** | **Furniture study** | * Learning about furniture dimensions and how they are related to the spaces * Detailing of studied furniture. | **9** | **20** |
| **III.** | **Design-I** | * Designing of furniture’s based on human activities. | **23** | **30** |
| **IV** | **Design –II** | * Designing of a particular space based on the human activity. | **23** | **30** |
| **Total** | | | **64** | **100** |

**Text Books:**

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1. *Time saver standards for building types*; De Chiara, Joseph and Crosbie, Michael J.*;*2nd Ed.; 2011; Tata McGraw Hill; New Delhi.

**Reference Books:**

1. Neufert, Peter; *Neufert’s architects' data;* 4th Ed.; 2012; John Wiley; New Delhi

**Course Outcomes:**

* To design spaces understanding its relation to human movement.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper VI: Furniture Design I**

**Subject Code: IDS132G326**

**Credit Units: 03 L-T-P-C: 2-0-2-3**

**Objective**: The objectives of **Furniture Design-1** are

* To design furniture of residence designed in 2nd Semester.

**Prerequisites:** No prerequisites.

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | **Living Room** | * Design Sofa set and table of the living room | **12** | **20** |
| **II.** | **Dining Room** | * Design dining table and crockery unit. | **12** | **20** |
| **III.** | **Kids Bedroom** | * Designing of furniture’s based on human activities. | **12** | **30** |
| **IV** | **Master Bedroom** | * Design the bedroom furniture. | **12** | **30** |
| **Total** | | | **48** | **100** |

**Text/Reference Books:**

* Hands on Experience.

**Course Outcomes:**

* To design spaces understanding its relation to human movement.

**SYLLABUS (4th SEMESTER)**

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper I: Interior Design IV (Commercial)**

**Subject Code: IDS132C411**

**Credit Units: 08 L-T-P-C: 0-0-8-8**

**Objective**:

* To study and develop innovative schemes for restaurant and hotel interiors. Knowledge of working drawings is also intended.
* Hospitality industry- exposure to design standards in five star hotels.
* The main aim is to develop visually literate students who are proficient at analytical thinking, conceptualization and the problem-inquiry, solution cycle.

**Pre Requisite: No pre requisite.**

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | Introduction & Measured drawing | Introduction of the design project.  Measured drawing layout of the space for the proposed interior. | **32** | **25** |
| **II.** | Design development 1  Branded Outlets | Theme, Colour scheme, plan, section, elevation, views | **32** | **25** |
| **III.** | Design Development 2 Departmental stores | Theme, Colour scheme, plan, section, elevation, views | **32** | **25** |
| **IV.** | Time problem | As per the requirement of the concerned teacher | **32** | **25** |
| **Total** | | | **128** | **100** |

**Text Books:**

1. *Designs for 20th century Interiors*Leolie, Fiona*;* 1st Ed.; 2000; VH Publications; London.

**Reference Books:**

1. Leolie, Fiona; *Designs for 20th century Interiors;* 1st Ed.; 2000; VH Publications; London.
2. Diamonstein, Barbaralec; *Interior Design: The New Freedom;* 1st Ed.; 1982; Rizzoli International Publications; New York.

**Course Outcomes:**

The students will

* be able to critically analyze a space with a design eye and come up with strategic design solutions
* Develop a sense of aesthetics.
* Understand the importance of presentation drawings.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper II: Construction and Materials III**

**Subject Code: IDS132C412**

**Credit Units: 04 L-T-P-C: 0-0-4-4**

**Objective**: The objectives of **Construction and Materials-III is**

* To introduce students to the technicalities of building construction and material
* To acquaint with various methods of construction.

**Prerequisites:** No prerequisites.

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | **Introduction to R.C.C.** | * Foundation * Columns- types and sizes * Beams- types and sizes * Slab- types and sizes | **16** | **20** |
| **II.** | **Staircase and its type** | * Requirements of staircase. Types of staircases, construction methods of – Masonry staircase, timber staircase, RCC staircase, steel staircase, study of fire escape staircase. | **16** | **30** |
| **III.** | **Railing and Grill Design** | * Design and Joinery details of railing and grill (steel, glass and other materials) | **16** | **30** |
| **IV.** | **Steel: Materials** | * Properties, architectural and interior design uses of mild steel and stainless steel | **16** | **20** |
| **Total** | | | **64** | **100** |
|  | | |  |  |

**Text Books:**

1. “Building Construction” by W.B.Mackay.

**Reference Books:**

1. Chudley“Construction Technology” .
2. Barry “Construction of Building”.

**Course Outcomes:**

* To impart knowledge about Staircase, Railing and its materials.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper III: AEEC / SEC-2\***

**Subject Code: IDS132S413**

**Credit Units: 02 L-T-P-C: 0-0-6-2**

**Course Objective:**

The objectives of **Design tools and Skills III**  are:

* To familiarize students with drawing aids and equipment along with learning to computerise design drawings.
* To orient students to the digital tools.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | **Interface** | Introduction to the interface, Digital drawings tools, drawing lines and shapes, modifying lines and shapes, drawing with accuracy and speed tools and commands. Page setup. | **16** |
| **II.** | **Drawing and Modifying** | Drawing and Modifying objects, properties, Units , dimensions, lines and pen weight. Blocks, array. | **16** |
| **III.** | **Presentation and plotting** | Presentation, hatching and rendering, texts, Layers, planes , views and viewports Import/export, layout , xref, print setup and plotting(with a specific project submission) | **16** |
| **IV.** | **Time Problem** | Problem Solving with detailed modelling. | **16** |
| **Total** | | | **64** |

**Text Books:**

1. *Up and Running with AutoCAD 2015: 2D & 3D Drawing and Modelling*Gindis, E.*;1st Ed.; 2014;* Elsevier; London.
2. *Digital Drawing for Designers: A Visual Guide to AutoCAD 2012;*Seidler, D. R.*;* 1st Ed.; 2007; Fairchild Publications; London

**Reference Books:**

1. Smith, B. L.; *3ds Max 2008 Architectural Visualization Beginner to Intermediate;* 1st ed.; 2007; 3DATS; China.
2. Moss, Elise; *Autodesk AutoCAD Architecture 2016 Fundamentals;* 1st Ed.; 2011; SDC Publications; London.
3. Omura, George & Benton, Brian C; *Mastering AutoCAD 2016 and AutoCAD LT 2016;* 1st Ed.; 2017; John Wiley & Sons; London.

**Course Outcomes:** The students will

* Develop techniques of computerize architectural representation.
* Comprehend an object or space and represent it graphically and digitally.
* understand the importance of design tools .(autoCAD)

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper IV: Model Making Workshop**

**Subject Code: IDS132G414**

**Credit Units: 03 L-T-P-C: 0-2-2-3**

**Objective**: The objectives of **Model Making Workshop** are

* To develop models of various works done in interior design projects.

**Prerequisites:** No prerequisites.

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | **Composition** | * To design an innovative product, which needs to be functional and based on its usage. * The product should be a part of the design. | **24** | **25** |
| **II.** | **Furniture** | * Model of the furniture designed during last semester subject Ergonomics and Human Behaviour. | **24** | **25** |
| **III.** | **Model-I** | * Detailed model of the Living Room of the earlier designed Residence. | **24** | **25** |
| **IV** | **Model –II** | * Detailed model of the office space designed in III semester. | **24** | **25** |
| **Total** | | | **96** | **100** |
|  | | |  |  |

**Text/Reference Books*:*** *Hands on training.*

**Course Outcomes:**To design spaces understanding its relation to human movement.

**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper V: Furniture Design II**

**Subject Code: IDS132G425**

**Credit Units: 04 L-T-P-C: 0-0-4-4**

**Objective**: The objectives of **Furniture Design II** is

* To design furniture for the office designed in 3rd Semester.

**Prerequisites:** No prerequisites.

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Hours** | **Marks** |
| **I.** | **Reception Area** | * To design furniture of the reception area of the office | **12** | **25** |
| **II.** | **Work Station Module** | * To design furniture of the work station module. | **12** | **25** |
| **III.** | **Executive Cabin** | * To detail out the executive cabin | **12** | **25** |
| **IV** | **Conference/ Board Room** | * To detail out furniture for conference | **12** | **25** |
| **Total** | | | **48** | **100** |
|  | | |  |  |

**Text/Reference Books*:***

* *Hands on training.*

**Course Outcomes:**

* To design spaces understanding its relation to human movement.

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**Evaluation of Students:**

* **Continuous Evaluation:** Assignments, Sheets 30%
* **Mid-term examination:** 20%
* **End term examination:** 50 %

**Paper VI: DSE 1 – Interior Landscape**

**Subject Code: IDS132D426**

**Credit Units: 03 L-T-P-C: 3-0-0-3**

**Course Objective:**

* To introduce students to the discipline of interior landscape and to develop basic skills required in handling simple interior landscape design projects.

**Detailed Syllabus:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modules** | **Topics** | **Course content** | **Periods** |
| **I.** | **Introduction to Interior Landscape** | * Introduction to Interior Landscape, definitions.   (Natural and Man-made landscapes)   * Types of Natural Elements and their visual characteristics: (colour, texture, foliage)  1. Stones, Rocks, Pebbles, Water Forms, Indoor plants and Vegetation. | **9** |
| **II.** | **Landscape Design Parameters (Interiors)** | * Landscaping design parameters for various types of built forms:  1. Indoor / Outdoor linkage to spaces. Residential form and commercial forms. 2. Landscape of courtyards ‐ Residential form and commercial forms. | **15** |
| **III.** | **Documentation** | * Field identification of common Indian Trees, Shrubs used in Interiors. | **15** |
| **IV.** | **Time Problem** | * Problem Solving (Residential / Commercial) | **9** |
| **Total** | | | **48** |

**Text Books:**

1. *Landscape Architecture:* Simmonds J.O.; 5 edition (1 March 2013), McGraw-Hill Education.
2. *Introduction to Landscape Architecture:* Laurie Michael, 2nd Revised edition edition (1 February 1986), Elsevier Science Ltd.

**Reference Books:**

1. Laurie Michael *;Introduction to Landscape Architecture*, 2nd Revised edition edition (1 February 1986), Elsevier Science Ltd.
2. Pradip Krishen;*Jungle Trees of Central India*
3. Grant W. Reid *Landscape Graphics:*
4. *Time Saver Standards for Landscape Architecture.*