

**School of Architecture and Planning**

**Department of Architecture**

**Bachelor in Interior Architecture**

**CONSERVATION FOR ADAPTIVE REUSE**

**Vision**

We envision producing erudite, knowledgeable and skilful professionals who can steer and upgrade the construction industry.

**Mission**

We aim to equip participants with in-depth knowledge, advanced skills and the latest technologies to enter in construction profession and grow into novel technical problem solvers and industry leaders. The notion of the program is to offer a curriculum which emphasizes issues of society, and new trends in the current world, is committed to innovation, and possesses the ability to critically analyze and anticipate the direction of future development. Students of this program will be prepared through their educational experience to adapt to changes in society, technology and the profession by focusing on research-oriented learning which integrates practice with theory.

**Academic Standards**

The current world is not isolated. Through the advent of digital technologies, the present-day segments of the world are interconnected, particularly in the field of technological development. Moreover, as anticipated, due to the post-Covid overhauling of the Universities, the degree program required to be more “Skill Intensive”. Keeping this in view, the programs of

“Building Design and Construction” is designed to meet the highest academic standards, which will prepare the students to meet the imminent challenges. The courses are designed in a manner that they cover the depths and breadths of the required knowledge area which as a result will impart confidence and maturity in young graduates.

**Program Educational Objectives (PEOs):**

**PEO-1**: Able to interpret and elaborate on design knowledge effectively utilizing communication, graphical, and computer skills to convey design content comprehensively.

**PEO-2**: Possess strong analytical skills and ability to evaluate design challenges critically, proposing innovative solutions that address functional, aesthetic, and contextual considerations.

**PEO-3**: Able to apply principles of interior architecture in professional settings, showcasing creativity, technical proficiency, and adherence to ethical standards.

**Program Learning outcomes (PLOs)**

**PLO 1:** Design Fundamentals: Develop the ability to conceive and execute innovative and aesthetically pleasing interior spaces that meet both functional requirements and artistic standards.

**PLO 2:** Design Development and Analysis: Integrate knowledge from various disciplines to analyze complex design problems and demonstrate proficiency in conceptualizing and developing design solutions through various stages.

**PLO 3:** Technical and Technological Competence: Acquire a comprehensive understanding of construction methods, materials, and building systems coupled with expertise in utilizing industry-standard software and tools for design, drafting, modeling, and rendering, to produce precise and detailed technical drawings and specifications.

**PLO 4**: Effective Communication and Visual Representation: Enhance ability in expressing design concepts and solutions through verbal and written communication, while adeptly employing visual representation tools like sketches, renderings, and digital models.

**PLO 5:** Sustainability and Environmental Responsibility: Demonstrate a commitment to sustainable design practices by understanding and applying principles of environmental stewardship, energy efficiency, and resource conservation in interior architecture projects.

**PLO 6:** Professional Readiness: Prepare for professional practice in interior architecture by imparting knowledge of ethical, legal, and business aspects, while fostering skills in project management, client communication, collaboration with other design professionals, and adherence to industry standards.

**Course Description**:

Drawing Techniques-I is an introductory course designed to develop fundamental drawing skills and techniques. Students will explore various drawing materials and methods, focusing on observation, representation, and expression. The course aims to build a strong foundation in drawing that will be essential for further study in visual arts.

**MAPPING OF PEOs and PLOs**

| **Program Learning outcomes** | **Program Educational Objectives** | | |  |
| --- | --- | --- | --- | --- |
| **PLOs** | **PEO-1** | **PEO-2** | **PEO-3** | **PEO-4** |
| Design Fundamentals | x | x |  |  |
| Technical Skills |  | x |  | x |
| Contextual Understanding | x | x |  |  |
| Research and Analysis | x |  |  |  |
| Collaboration and Teamwork |  |  | x |  |
| Professional Ethics and Responsibility |  |  | x | x |

**Course Title: Conservation for Adaptive reuse**

**Course Description:**

This course delves into the principles and practices of cultural heritage conservation within interior architecture. It combines theoretical knowledge with practical applications to equip students with the skills necessary to assess, document, and preserve heritage interiors. Through case studies, fieldwork, and hands-on projects, students will learn to balance historical integrity with contemporary needs.

**Course Objectives:**

1. To provide a comprehensive understanding of heritage conservation theories and methodologies.
2. To develop practical skills in the assessment, documentation, and preservation of cultural heritage.
3. To foster awareness of the ethical, legal, and professional responsibilities in heritage conservation.
4. To enable students to apply sustainable conservation techniques in real-world scenarios.

**Course Learning Outcomes:**

CLO1: Students will critically evaluate and apply key theories and principles of heritage conservation.

CLO2: Students will demonstrate proficiency in assessing, documenting, and preserving heritage sites and artefacts.

CLO3: Students will develop and implement conservation plans that respect the cultural and historical significance of heritage interiors.

**Weekly Schedule:**

**Week 1:**

* **Introduction to Heritage Conservation**
  + Overview of course structure
  + Importance of heritage conservation
  + Introduction to key concepts and terminology

**Week 2:**

* **History and Philosophy of Heritage Conservation**
  + Evolution of conservation practices
  + Philosophical underpinnings
  + Assignment 1: Reflective essay on the importance of heritage conservation

**Week 3:**

* **Legal and Ethical Aspects**
  + International charters and conventions
  + National laws and regulations
  + Ethical considerations
  + Quiz 1: Legal frameworks in heritage conservation

**Week 4:**

* **Heritage Documentation Techniques**
  + Photographic documentation
  + Measured drawings
  + Condition assessment
  + Assignment 2: Documentation of a local heritage site

**Week 5:**

* **Material Conservation I**
  + Stone and masonry conservation
  + Case studies and practical exercises
  + Assignment 3: Report on stone and masonry conservation techniques

**Week 6:**

* **Material Conservation II**
  + Wood and timber conservation
  + Case studies and practical exercises
  + Assignment 4: Report on wood and timber conservation techniques

**Week 7:**

* **Non-Material Heritage**
  + Intangible cultural heritage
  + Preservation of traditions and practices
  + Assignment 5: Presentation on a selected intangible heritage

**Week 8:**

* **Midterm Review and Examination**
  + Review sessions
  + Midterm Examination

**Week 9:**

* **Conservation Planning and Management**
  + Developing conservation plans
  + Stakeholder engagement
  + Assignment 6: Draft a conservation plan for a hypothetical project

**Week 10:**

* **Sustainable Practices in Heritage Conservation**
  + Environmental sustainability
  + Adaptive reuse of heritage buildings
  + Quiz 2: Sustainable practices in heritage conservation

**Week 11:**

* **Case Studies in Interior Heritage Conservation**
  + Analysis of successful conservation projects
  + Lessons learned
  + Assignment 7: Case study analysis report

**Week 12:**

* **Fieldwork and Site Visits**
  + Practical fieldwork
  + Visits to local heritage sites

**Week 13:**

* **Advanced Conservation Techniques**
  + Innovative technologies in conservation
  + Digital documentation methods

**Week 14:**

* **Project Development**
  + Student project work
  + Consultation and feedback sessions

**Week 15:**

* **Presentation of Projects**
  + Student presentations
  + Peer review and critique

**Week 16:**

* **Final Examination and Course Wrap-Up**
  + Final exam
  + Summary and reflection on key learnings

**Assessment Methods:**

* **Midterm Examination:** 20%
* **Final Examination:** 30%
* **Practical Assignments:** 20%
* **Project Work:** 20%
* **Participation and Attendance:** 10%

This course outline integrates theoretical frameworks with practical applications, ensuring students gain a holistic understanding and skill set in heritage conservation within interior architecture. The assignments and quizzes are designed to reinforce learning and assess comprehension at various stages of the course.