

**Maulana Abul Kalam Azad University of Technology, West Bengal**  
*(Formerly West Bengal University of Technology)*  
**Syllabus for B. Sc. In Interior Design**  
**(Effective for Academic Session 2019-2020)**

**SEMESTER VI**

**BID601**

**Full Marks: 100**

**Restoration & Renovation of Building Interiors (Theory)**

**Objectives**

- To develop students understanding and knowledge in buildings restoration and renovation.
- To develop students understanding of the role of conservation of historical and locally nationally important buildings.
- To develop critical thinking skills in relation to the repair and renovation of buildings and interiorspaces.
- To become aware of the needs for repairing and associated restoration problems.
- To develop research and written skills in recording and analysing issues and topics associated with conservation, restoration and renovation of buildings and interior spaces.

| Units | Course Content                                                                                                                                                                                                                                                                                                                                                            |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | <b>Renovation</b> <ul style="list-style-type: none"> <li>• Importance of renovation</li> <li>• Need for renovation</li> <li>• Areas of concern: walls, floor, ceiling/roof, wood work, electrical, plumbing, sanitary, furniture &amp; furnishing</li> </ul>                                                                                                              |
| 2     | <b>Research – Renovation Projects</b> <ul style="list-style-type: none"> <li>• Source and gather research of exemplar local renovation projects, including site visit.</li> </ul>                                                                                                                                                                                         |
| 2     | <b>Importance of Restoration</b> <ul style="list-style-type: none"> <li>• Historical heritage</li> <li>• Economical significance</li> <li>• Sustainability - Up-cycling and recycling</li> <li>• Design trends</li> </ul>                                                                                                                                                 |
| 3     | <b>Considerations of Additions &amp; Alterations</b> <ul style="list-style-type: none"> <li>• Evaluation of existing conditions, structural stability.</li> <li>• Study of prevalent rules and regulations of local authorities</li> <li>• Integration of ‘new’ and ‘old’ structures and interiors</li> </ul>                                                             |
| 4     | <b>Preparing repair proposal</b> <ul style="list-style-type: none"> <li>• Preparing repair proposal: the blending of repair work with old work giving consideration to purpose, stability and aesthetics.</li> <li>• Sketches and drawings for a given proposal, showing different viewpoints and where appropriate elevations, including written annotations.</li> </ul> |

**References**

1. *Basic Woodworking*, Sunset Books
2. Chudley, R, *Building Technology*, Vol. 1 –5,
3. Davidson James, *Complete Home Lighting Book*, Casell Publishers, U.K.
4. Faulkner & Faulkner *Inside Today's Home*
5. Hiraskar G K, *The Great Age of World Architecture*, Dhanpat Rai Publications
6. Housing, *A Factual Analysis*; Macmillan, New York.
7. John Pile, *History of Interior Design*
8. JouhnBu’lock Bjorn Kristianseir, *Basic Biotechnology*, Academic Press, London,1987

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**BID602**

**Full Marks:100**

**Sustainable & Ethical Studies IV - Dissertation (Theory)**

**Objectives**

- Develop a body of research of sustainable innovations and solutions within the fields of Architecture, Construction and Interior Space Design industries.
- Written analysis and interpretations of data, facts and other information in the form of a dissertation.
- Present an original dissertation on a chosen area of sustainability and ethics within the construction and design industries, which includes facts, specific examples, technical information, discussions and conclusions within given contexts.
- Communicate and present articulately, objective rationales and discussions on the environmental impact and health and well being of their topic.

| Units | Course Content                                                                                                                                                                                                                                                                                                                                       |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | <b>Research and sourcing:</b> <ul style="list-style-type: none"> <li>• Sustainable/Ethical Topic related to industry.</li> <li>• Related articles, facts, figures, diagrams and images.</li> <li>• Organisations, bodies and agencies</li> <li>• Technological developments innovations and discoveries within given context and Subject.</li> </ul> |
| 2     | <b>Written analysis &amp; responding to research:</b> <ul style="list-style-type: none"> <li>• Notes</li> <li>• Written observations</li> </ul>                                                                                                                                                                                                      |
| 3     | <b>Drafting and refinement of ideas, arguments, discussions and facts:</b> <ul style="list-style-type: none"> <li>• First written draft with notations for refinement, corrections and additions</li> <li>• Second written draft with corrections</li> </ul>                                                                                         |
| 4     | <b>Final Written Draft</b> <ul style="list-style-type: none"> <li>• Proof-read &amp; complete with all corrections</li> </ul>                                                                                                                                                                                                                        |
| 5     | <b>Bibliography &amp; referencing:</b> <ul style="list-style-type: none"> <li>• Written bibliography</li> <li>• Correct referencing</li> </ul>                                                                                                                                                                                                       |
| 6     | <b>Presentation &amp; Evaluation</b> <ul style="list-style-type: none"> <li>• Professionally Presented Bound dissertation</li> <li>• Written evaluation against desired outcomes</li> </ul>                                                                                                                                                          |

**References**

**Books**

- Case Study Handbook: How to Read, Discuss and Write Persuasively About Cases Paperback – 15 Mar2007 by Ellet (Author)

**Websites**

- <http://equip.sbts.edu/article/20-tips-to-help-you-finish-your-dissertation/>
- <https://www.edugeeksclub.com/blog/How to Write Your Best Dissertation/>
- <https://www.oxbridgeessays.com/blog/top-10-masters-dissertation-writing-tips/>
- <https://neilpatel.com/blog/creating-a-great-case-study/>

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**BID603**

**Full Marks: 100**

**Professional Practice - II (Theory)**

**Objectives**

**On successful completion of this module, a student will be expected to be able to:**

1. Demonstrate an appreciation of the professions potential future role and contribution to environmental development and 'place-making'.
2. Identify professional methods of communication and presentation.
3. Sustain a degree of involvement in one major piece of work from initiation to completion, accepting accountability for determining its outcome.
4. Work independently, and exercise informed judgements about the demands of the subject at high level.
5. Manage their time, meet deadlines and produce a piece of work demonstrating high standards of presentation and creativity.
6. To be oriented about professional aspects of management.
7. To learn to execute Interior work for residential & commercial areas.

| Units | Course Content                                                                                                                                                                                                                                                                                                                                     |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | <b>Introduction to Professional Management</b><br>Concept, Organisation, Presentation, responsibilities & Significance/consequences.                                                                                                                                                                                                               |
| 2     | <b>Professional Components of Managing Interior Work</b> <ul style="list-style-type: none"> <li>• Office managing, code/conduct,</li> <li>• Scale of professional fee &amp; charges,</li> <li>• Duties of employer under labour welfare provisions,</li> <li>• Structure of interior designers office, Conditions of engagement</li> </ul>         |
| 3     | <b>Estimating Interior Work</b><br>Definition & importance of estimating, types, units & mode of measurement, rate, analysis, bills of quantities etc.                                                                                                                                                                                             |
| 4     | <b>Tenders &amp; Contracts</b> <ul style="list-style-type: none"> <li>• Definition &amp; meaning of tender &amp; contract, tender notice, tender document, types of tender, legal aspects etc.</li> </ul> Types of contract, articles of agreement, execution, scope of contract, duties and liabilities of contractor, legal aspects of contract. |
| 5     | <b>Professional Communication Skills:</b><br>Visual, Demonstration, Verbal, Presentations.                                                                                                                                                                                                                                                         |

**References**

1. Drucker, Peter, *Innovation & Entrepreneurship Practices & Principles*, William Hernmann Ltd., London, 1969
2. Drucker, Peter.F, *The Effective Executive*, William Hernmann Ltd., London, 1969
3. Laboeuf, Michael, *The General Management Principles in the World*. Barkley Books, New York
4. Roshan, Nanavati, *Professional Practices Estimating & Valuation*, Lakhani Book Depot, Bombay, 1994

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**BID682**

**Full Marks:100**

**DESIGN STUDIO - VI - Final Major Design Project (Practical)**  
**SESSIONAL**

**Overview**

Through architectural and design interventions, we engage with collaborative and creative ventures to enhance human interaction with their environment. This can be applied at an architectural scale whilst appreciating the detail and fabrication of objects, surfaces and materials within spaces.

The core elements of this major project are taught by practising designers and architects, touching on all aspects of interior design and interior architecture for commercial spaces.

The module advocates the synthesis of this ideology as a creative, rigorous and intellectual process. Students need to explore creative ideas, invention and practical resolution in the creation of new, and often unconventional interior identities, whilst creating experiential, experimental and functional spaces. Students are asked to shape environments, generate identities, question programmes, detail objects, design or specify materials and furniture.

Ultimately, students should place human involvement with space at the centre of all their design work.

**Objectives**

1. Develop professional interior design skills & techniques including drawings, plans, illustrations and models.
2. Develop students understanding and skills in materials & techniques & technologies within interior design contexts and constraints.
3. Understand the construction process, and identify the difference between sustainable and unsustainable materials.
4. Identify, promote and support inspiring, innovative and creative applications of design and building technology for an interior design proposal.
5. Understand how to produce a Production Information Package (PIP) including e.g. Details, Set of Specifications, Lighting Schedule, Working Drawing package, which have all been developed from a previously 'Signed off' interior design Sketch Scheme proposal.
6. Select either traditional or new innovative methods of building construction and technology in their design proposals, to conform to the statutory requirements of the Building/Fire Regulations and Disabled Access.
7. Evidence the ability to think three dimensionally in response to contextual and environmental factors, and using appropriate sketch design and development techniques, reflect on the quality and appropriateness of their experiments to inform their progress
8. Demonstrate elemental visual, verbal communication and presentation skills, using a selection of graphic and technical methods
9. Demonstrate an evolving understanding of how to utilise case and precedents studies from research information gathered, as sources of inspiration and transferable ideas for generating and refining concepts
10. Develop technical layout, drafting and practical drawing and design skills.
11. To develop awareness and understanding of the relationship of spaces within a given design context and to deadlines.
12. To develop design skills within the constraints of a given interior design project brief.

| Units | Course Content                                                                                                                                                                   |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Identify a client, a practical site and develop the design requirement, related design issues and Provide alternate design scenarios and develop the most practical alternative. |
| 2     | Generation and development of visual design ideas & sketches showing varied viewpoints for a Given interior.                                                                     |
| 3     | Development of visual design idea through the exploration of layouts, concepts and interior Plans.                                                                               |
| 4     | Exploration and investigation of materials, techniques and technologies for interior spaces and Surface designs.                                                                 |
| 5     | Technical Drafting and drawing of layouts and plans including correct symbols and scale,                                                                                         |

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|    |                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Within the constraints for given interior design project brief.                                                                                                                                 |
| 6  | Application of symbols on technical architectural plans and drawings                                                                                                                            |
| 7  | Application of media and drawing techniques to illustrate different viewpoints of a given Interior including perspective drawings, orthographic drawings of views and sections.                 |
| 8  | Understanding Architectural Symbols and scales for architectural and interior design.                                                                                                           |
| 9  | Quantification, Reporting, Presentation.                                                                                                                                                        |
| 10 | Organisation of the working drawings for the same including service drawing (with assistance From the Consultants) with Budget Provision and Project Schedule and probable management strategy. |

**References**

**Books**

1. Alexander, N J, Mercoust Brace, *Designing Interior Environment*, Havanovich Inc.
2. Domino: The Book of Decorating: A room-by-room guide to creating a home that makes you happy (DOMINO Books), 14 October 2008 by Deborah Needleman and Sara Ruffin Costello
3. Cerver F A, *Commercial Space, Office Design & Layout*, Rotovision SA
4. Cerver F A. *Commercial Space, Bars, Hotels & Restaurants*, Rotovision SA, Switzerland
5. Cerver F A., *Shops, Malls & Boutiques*, Rotovision SA
6. De Chiara Joseph & Callender John, *Time Saver Standards for Architectural Types & Interior Design & Space Planning*, McGraw Hill Book Co.
7. Gustafsan K & Yes Robert, *Corporate Design*, Thames & Hudson, London
8. *National Building Code of India*, Bureau of Indian Standards, New Delhi, 1999
9. Reznikoff S C, *Specifications for Commercial Interiors*, Whitney Library of Design.
10. Natural History : Herzog & De Meuron : Philippe Ursprung : Lars Muller Publishers.
11. Skin + bones : Parallel practices in Fashion and Architecture by Brooke - Hodge : Thames and Hudson.

**Websites**

<https://www.architonic.com/en/projects/interior-architecture/0/5910002/1>  
<https://www.forbes.com/sites/yjeanmundelsalle/2017/12/14/the-worlds-best-interior-designers-hot-list/#74bedfe93312>  
<http://www.martynlawrencebullard.com/>  
<http://mydesignagenda.com/interior-design-and-architecture-projects-need-inspired/>

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**BID681**

**Full Marks: 100**

**Professional Portfolio Development (Practical)**  
**SESSIONAL**

**Aims/Outline:**

This module builds on the core 2D and CAD skills developed in the course, embodying areas of research, creativity, development, reflection, analytical and professionalism as a designer to inform the development of a final major design portfolio. Students will present a full body of their own design work which communicates the breadth of their individual creative art and design skills, demonstrating process and informing their own personal creative practice.

The final outcome will be professionally presented in an international industry standard portfolio.

**Objectives**

1. To develop students professional portfolio presentation skills when developing a professional portfolio of design work.
2. To develop student's ability to propose, conceptualise and execute a final professional Portfolio in digital and tangible formats.
3. To develop professional concept and visual communication skills to enable the production of a stimulating visual collection of a student's Art & Design work, including major project outcomes displayed in tangible and digital formats.
4. To develop students digital design presentation and communication skills.
5. To develop student's ability in making correct aesthetic choices in relation to how best present (and communicate) their design projects and supporting work.

**Course Content**

*On successful completion of this module, a student will be expected to be able to:*

1. Undertake and present in-depth research of exemplar tangible and digital portfolio concepts and designs.
2. Refine, edit and present to a professional standard a body of presented design work in both tangible and digital formats.
3. Confidently demonstrate and evidence the professional design presentation process.
4. Communicate and collaborate effectively with internal and external photographers, media and reprographics specialists in the process of design portfolio development.
5. Effectively communicate to an audience about their own processes, intentions and outcomes in design process contexts, identifying areas of strength and areas for improvement and development.
6. Produce a professional international industry standard design portfolio (digital & tangible).

**References**

**Websites**

<https://www.fastcompany.com/3035190/designers-at-facebook-dropbox-and-pinterest-on-how-to-build-a-world-class-portfolio>

<https://www.creativebloq.com/create-perfect-design-portfolio-111153>

<https://www.studentartguide.com/articles/how-to-make-an-art-portfolio-for-college-or-university>