SNDT Women's University, Mumbai

Department of Resource Management

Master of Science

Resource Management & Interior Design

as per NEP-2020

Syllabus for Semester – III & IV

(2024-25)

Year – I:

S. No.	Courses	Type of Course	Credits	Marks	Int	Ext
	Semester I					
114711	Residential Interior Design (2+2)	Major (Core)	4	100	50	50
114712	Human Resource Management (Th)	Major (Core)	4	100	50	50
114723	Building Construction & Working Drawing (Pr)	Major (Core)	4	100	50	50
114724	Specialized Services - I (Pr)	Major (Core)	2	50	50	0
124711	Fundamentals of Ergonomics & Design (Th)	Major (Elective)	4	100	50	50
134711	Research Methodology (Th)	Minor Stream (RM)	4	100	50	50
			22	**550**	**300**	**250**
	Semester II					
214721	Advance Landscape Design (Pr)	Major (Core)	4	100	50	50
214712	Commercial Space Design (2+2)	Major (Core)	4	100	50	50
214723	Advance Interior Design Software (Pr)	Major (Core)	4	100	50	50
214714	Statistics (Th)	Major (Core)	2	50	0	50
224711	Organization Behaviour (Th)	Major (Elective)	4	100	50	50
244641	Internship – Interior Design Firm/ Organization	OJT	4	100	50	50
			22	**550**	**250**	**300**

Exit option (44 credit):

Post Graduate Diploma in Resource Management & Interior Design

Year - II :

S. No.	Courses	Type of Course	Credits	Marks	Int	Ext
	Semester III					
	Product & Furniture Design (Pr)	Major (Core)	4	100	50	50
	Sustainable Interior Design (Th)	Major (Core)	4	100	50	50
	Statistical Computing for Data Analysis (Pr)	Major (Core)	4	100	50	50
	Set Design (Pr)	Major (Core)	2	50	0	50
	Designing for Special Population (Th)	Major (Elective)	4	100	50	50
	Research Project (Pr)	RP	4	100	50	50
			22	**550**	**250**	**300**
	Semester IV					
	Professional Practices & Certification (Th)	Major (Core)	4	100	50	50
	Internship (Pr)	Major (Core)	8	200	100	100
	Project Management (Th)	Major (Elective)	4	100	50	50
	Research Project - Dissertation	RP	6	150	100	50
			22	**550**	**300**	**250**

Post Graduate Degree in Resource Management & Interior Design on completion of two years MSc Program

Semester III: Product & Furniture Design (Pr)

Major (Core): Product & Furniture Design (Pr)

Subject Code:

> **Course Description:**
>
> This practical course focuses on the design and development of products and furniture, tailored for MSc Interior Design & Ergonomics students. The course covers the entire design process, from conceptualization and sketching to prototyping and final presentation. Emphasis is placed on ergonomics, materials, and sustainable practices, enabling students to create functional, aesthetic, and user-centered designs.

Course Title	Product & Furniture Design (Pr)
Course Credits	4 Credits
Course Outcomes	After going through the course, learners will be able to
	1. Develop a comprehensive understanding of the product and furniture design process.
	2. Apply ergonomic & design principles to ensure comfort and usability.
	3. Explore and experiment with different materials and fabrication techniques.
	4. Create functional and aesthetically pleasing product and furniture designs.
	5. Produce prototypes and effectively communicate design ideas through presentations.
Module 1: Introduction to Product & Furniture Design	
Learning Outcomes	After learning the module, learners will be able to
	1. Apply design thinking and user-centered design methodologies.
	2. Integrate ergonomic principles into design projects.
Content Outline	● Overview of Product and Furniture Design ● Design Thinking and User-Centered Design ● History and Evolution of Furniture Design ● Ergonomics and Human Factors ● Introduction to Design Software (AutoCAD, Google Sketchup)
Module 2: Concept Development and Sketching	

Learning Outcomes	After learning the module, learners will be able to
	1. Develop and refine design concepts through sketching.
	2. Use rapid visualization techniques to communicate ideas & create mood boards
	3. Analyze case studies to understand successful design elements.
Content Outline	● Ideation and Concept Development ● Sketching Techniques and Rapid Visualization ● Creating Mood Boards and Design Narratives ● Form and Function in Design ● Case Studies of Iconic Furniture Designs

Module 3: Materials, Techniques, and Prototyping

Learning Outcomes	After learning the module, learners will be able to
	1. Identify, select and incorporate sustainable materials for product & furniture design.
	2. Apply various fabrication techniques & utilize digital fabrication tools for precision and efficiency to create prototypes.
	3. Develop and test prototypes to refine design concepts.
Content Outline	● Material Selection and Properties ● Sustainable Materials and Practices ● Fabrication Techniques (Woodworking, Metalworking, Upholstery, etc.) ● Digital Fabrication (3D Printing, CNC Milling) ● Prototype Development and Testing

Module 4: Final Design and Presentation

Learning Outcomes	After learning the module, learners will be able to
	1. Refine design concepts & produce detailed technical drawings with specifications based on prototype testing and feedback.
	2. Develop effective design presentation skills.
	3. Present final designs in a professional critique and exhibition setting.
Content Outline	● Refining Design Concepts and Prototypes ● Creating Technical Drawings and Specifications ● Design Presentation Techniques ● Client and Stakeholder Feedback ● Final Design Critique and Exhibition

<u>Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):</u>

For Practical subject Total Marks – 100 (Continuous Assessment)

Module 1: Furniture Design Case study (Marks – 25)
- Research paper on the history of furniture design (10%)
- Ergonomic analysis project (15%)

Module 2: Sketching project (Marks – 25)
- Concept development sketches (15%)
- Mood board and design narrative (10%)

Module 3: Prototypes development (Marks – 25)
- Material selection and sustainability report (10%)
- Prototype development project (15%)

Module 4: Final project and presentations (Marks – 25)
- Technical drawings and specifications (10%)
- Final design presentation and critique (15%)

References

1. Lawson, S. (2013). **Furniture Design: An Introduction to Development, Materials, and Manufacturing**. Laurence King Publishing.
2. Ambrose, G., & Harris, P. (2011). **Ergonomics in Product Design**. Bloomsbury Visual Arts.
3. Lefteri, C. (2012). **Making It: Manufacturing Techniques for Product Design**. Laurence King Publishing.

Semester III: Sustainable Interior Design (Th)

Major (Core): Sustainable Interior Design (Th)

Subject Code:

Course Description:

This course explores the principles and practices of sustainable interior design. MSc Interior Design students will learn about sustainable materials, energy efficiency, indoor environmental quality, and the broader impact of design choices on the environment. The course emphasizes the importance of sustainability in design and aims to equip students with the skills to create environmentally responsible and sustainable interior spaces.

Course Title	Sustainable Interior Design (Th)
Course Credits	4 Credits
Course Outcomes	After going through the course, learners will be able to
	1. Apply the fundamental principles of sustainable interior design
	2. Identify and evaluate sustainable materials and products.
	3. Analyze & Implement strategies for energy efficiency and water conservation.
	4. Enhance indoor environmental quality through design
	5. Evaluate the environmental impact of design decisions and promote sustainable practices.
Module 1: Principles of Sustainable Interior Design	
Learning Outcomes	After learning the module, learners will be able to
	1. Examine the environmental impact of design choices.
	2. Conduct life cycle assessments for design materials and products.
	3. Familiarize with sustainability certifications and standards.
Content Outline	● Introduction to Sustainability in Interior Design ● Environmental Impact of Interior Design ● Principles of Green Design ● Life Cycle Assessment (LCA) in Interior Design ● Certifications and Standards (LEED, WELL, BREEAM)
Module 2: Sustainable Materials and Products	

Learning Outcomes	After learning the module, learners will be able to
	1. Formulate the criteria for selecting sustainable materials.
	2. Differentiate between renewable, recycled, and low-emitting materials & the impact of materials on indoor air quality.
	3. Evaluate the performance and durability of sustainable materials.
Content Outline	● Sustainable Material Selection Criteria ● Renewable and Recycled Materials ● Low-Emitting Materials and Indoor Air Quality ● Sustainable Furnishings and Finishes ● Evaluating Material Performance and Durability

Module 3: Energy Efficiency and Water Conservation

Learning Outcomes	After learning the module, learners will be able to
	1. Implement energy-efficient lighting and HVAC systems.
	2. Assess the passive design strategies to reduce energy consumption & incorporate water conservation techniques in design projects.
	3. Utilize smart building technologies to enhance sustainability by integrating renewable energy sources.
Content Outline	● Energy-Efficient Lighting and HVAC Systems ● Passive Design Strategies ● Water Conservation Techniques in Interior Design ● Renewable Energy Integration ● Smart Building Technologies

Module 4: Indoor Environmental Quality and Sustainable Practices

Learning Outcomes	After learning the module, learners will be able to
	1. Improve indoor air quality through design choices.
	2. Address lighting, acoustics & noise control in interior spaces.
	3. Integrate biophilic design & encourage sustainable behavior to promote health & well-being.
Content Outline	● Indoor Air Quality (IAQ) Improvement Strategies ● Natural Lighting and Daylighting ● Acoustics and Noise Control ● Biophilic Design and Human Health ● Promoting Sustainable Behaviors and Practices

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For theory subject Total Internal Marks – 50

Module 1: Sustainable Principles (Marks – 25)
- Assignment on sustainability principles (15%)
- Case study analysis of a sustainable interior project (10%)

Module 2: Sustainable Materials (Marks – 25)
- Project on selection of Sustainable material (10%)
- Comparative analysis of traditional vs. sustainable materials (15%)

Module 3: Energy Efficiency and Water Conservation (Marks – 25)
- Energy efficiency design proposal (15%)
- Water conservation strategy report (10%)

Module 4: Final project and presentations (Marks – 25)
- Indoor environmental quality improvement plan (10%)
- Final project incorporating sustainable design principles (15%)

References

1. Bee, F. (2012). **Sustainable interior design: Principles and practice**. Fairchild Books.
2. Chiras, D. D. (2014). **The solar house: Passive heating and cooling**. Chelsea Green Publishing.
3. Curwell, S., March, C., & Venables, R. (Eds.). (2005). **Sustainable urban design: An environmental approach**. Routledge.
4. Kibert, C. J. (2012). **Sustainable construction: Green building design and deliver**y (3rd ed.). Wiley.
5. Kwok, A. G., & Grondzik, W. T. (2018). **The green studio handbook: Environmental strategies for schematic design** (3rd ed.). Routledge.
6. McLennan, J. F. (2004). **The philosophy of sustainable design: The future of architecture**. Ecotone Publishing.
7. Proctor, R. (2015). **The Sustainable Design Book**. Laurence King Publishing.
8. Reed, B., & Gordon, K. (2000). **The integrative design guide to green building: Redefining the practice of sustainability**. Wiley.
9. Smith, P. F. (2007). **Sustainability at the cutting edge: Emerging technologies for low energy buildings**. Routledge.
10. Stieg, C. (2006). **Sustainable design for interior environments**. Fairchild Books.
11. Winchip, S. M. (2011). **Sustainable Design for Interior Environments**. Fairchild Books.
12. Yudelson, J. (2009). **Green building through integrated design**. McGraw-Hill.

Semester III: Statistical Computing for Data Analysis (Pr)

Major (Core): Statistical Computing for Data Analysis (Pr)

Subject Code:

Course Description:
This practical course is designed for MSc students to gain hands-on experience with statistical software for data analysis. The course focuses on practical application rather than theoretical concepts, equipping students with the skills to analyse and interpret data relevant to the research. Students will work with real-world datasets and learn how to use statistical software tools such as SPSS, R, and Excel to perform data analysis, visualization, and reporting.

Course Title	Statistical Computing for Data Analysis (Pr)
Course Credits	4 Credits
Course Outcomes	After going through the course, learners will be able to
	1. Develop proficiency in using statistical software tools for data analysis.
	2. Apply statistical techniques to analyze and interpret any data.
	3. Gain practical experience in data visualization and reporting.
	4. Present statistical findings in a clear and professional manner.
	5. Apply statistical methods to solve real-world design & ergonomics research problems.
Module 1 (Credit 1) : Introduction to Statistical Concepts and Software	
Learning Outcomes	After learning the module, learners will be able to
	1. Understand basic statistical concepts relevant to ergonomics & interior design.
	2. Navigate and use SPSS, R, and Excel for data analysis.
	3. Learn how to import and manage data in statistical software.
	4. Conduct exploratory data analysis to summarize and visualize data.
Content Outline	• Overview of Statistical Concepts (Descriptive and Inferential Statistics) • Introduction to Statistical Software (SPSS, R, Excel)

	• Data Types and Data Entry
	• Basic Data Manipulation and Cleaning
	• Exploratory Data Analysis (EDA)

Module 2 (Credit 1) : Descriptive Statistics and Visualization

Learning Outcomes	After learning the module, learners will be able to
	1. Calculate and interpret measures of central tendency and variability.
	2. Create and analyze frequency distributions and cross-tabulations.
	3. Utilize various data visualization techniques to present data.
	4. Develop skills in using statistical software to generate descriptive statistics and visualizations.
Content Outline	• Measures of Central Tendency (Mean, Median, Mode)
	• Measures of Variability (Range, Variance, Standard Deviation)
	• Frequency Distributions and Histograms
	• Cross-tabulations and Contingency Tables
	• Data Visualization Techniques (Charts, Graphs)

Module 3 (Credit 1) : Inferential Statistics and Hypothesis Testing

Learning Outcomes	After learning the module, learners will be able to
	1. Understand and apply sampling methods and confidence intervals.
	2. Perform hypothesis testing using t-tests, Chi-square tests, and ANOVA.
	3. Conduct correlation and regression analysis to examine relationships between variables.
	4. Use statistical software to perform inferential statistical analyses.
Content Outline	• Sampling Methods and Sampling Distributions
	• Confidence Intervals
	• Hypothesis Testing (t-tests, Chi-square tests)
	• Analysis of Variance (ANOVA)
	• Correlation and Regression Analysis

Module 4 (Credit 1) : Advanced Data Analysis and Reporting

Learning Outcomes	After learning the module, learners will be able to

	1. Apply multivariate analysis techniques to complex data sets.
	2. Conduct time series analysis and make forecasts based on data trends.
	3. Use non-parametric methods for data that do not meet parametric assumptions.
	4. Effectively report and interpret statistical results in a professional and scholarly manner.
Content Outline	• Multivariate Analysis Techniques (Factor Analysis, Cluster Analysis) • Time Series Analysis and Forecasting • Non-parametric Methods • Reporting and Interpreting Statistical Results • Presenting Data in Research Papers and Reports

Assessment Pattern:

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 100 (Continuous Assessment)

Module 1: Hands-on software tutorials and exercises (Marks – 25)
• Data entry and cleaning assignment (10%)
• Exploratory data analysis project (15%)

Module 2: Data visualization project (Marks – 25)
• Descriptive statistics report (15%)
• Data visualization assignment (10%)

Module 3: Case studies and real-world data analysis projects (Marks – 25)
• Hypothesis testing assignment (10%)
• Correlation and regression analysis project (15%)

Module 4: Group projects and presentations (Marks – 25)
• Multivariate analysis project (10%)
• Final data analysis report and presentation (15%)

References

1. Field, A. (2018). **Discovering Statistics Using IBM SPSS Statistics** (5th ed.). Sage Publications.
2. Agresti, A., & Finlay, B. (2018). **Statistical Methods for the Social Sciences** (5th ed.). Pearson.
3. Howell, D. C. (2016). **Fundamental Statistics for the Behavioral Sciences** (9th ed.). Cengage Learning.
4. Moore, D. S., McCabe, G. P., Alwan, L. C., & Craig, B. A. (2016). **The Practice of Statistics for Business and Economics** (4th ed.). W. H. Freeman.
5. Wooldridge, J. M. (2020). **Introductory Econometrics: A Modern Approach** (7th ed.). Cengage Learning.

6. Siegel, S., & Castellan, N. J. (1988). **Nonparametric Statistics for the Behavioral Sciences** (2nd ed.). McGraw-Hill.
7. Tabachnick, B. G., & Fidell, L. S. (2019). **Using Multivariate Statistics** (7th ed.). Pearson.
8. Field, A., Miles, J., & Field, Z. (2012). **Discovering Statistics Using R**. Sage Publications.
9. Gelman, A., Hill, J., & Vehtari, A. (2020). **Regression and Other Stories**. Cambridge University Press.
10. Jaccard, J., & Becker, M. A. (2009). **Statistics for the Behavioral Sciences** (5th ed.). Cengage Learning.

Semester III: Set Design (Pr)

Major (Core): Set Design (Pr)

Subject Code:

Course Description:
This practical course focuses on hands-on learning and application of set design principles for theater, film, television, and events. Students will engage in the entire process of set design from conceptualization to execution, developing the skills necessary to create functional and visually compelling sets.

Course Title	Set Design (Pr)
Course Credits	2 Credits
Course Outcomes	After going through the course, learners will be able to
	1. Apply foundational principles of set design in practical projects.
	2. Develop skills in sketching, modelling, and using digital tools for set design.
	3. Apply hands-on experience in set construction techniques and materials.
	4. Collaborate effectively with team members in a design project.
	5. Create and present a complete set design project.
Module 1: Conceptualization and Visualization (15 hours)	
Learning Outcomes	After learning the module, learners will be able to
	1. Apply practical exercises to design set using digital tools
	2. Design, build and present scale models of set designs
Content Outline	- Developing a Concept for a Set Design - Visual Research and Mood Boards - Sketching and Drawing Techniques for Set Design - Digital Tools for Set Design (e.g., CAD, SketchUp) - Creating Storyboards and Scale Models
Module 2: Technical Execution and Collaboration (15 hours)	
Learning Outcomes	After learning the module, learners will be able to

	1. Apply Practical exercises in creating and integrating scenery, props, and furniture
	2. Evaluate the integrating of light and sound into set designs
Content Outline	• Set Construction Techniques and Materials • Understanding and Creating Scenery, Props, and Furniture • Integrating Lighting and Sound Design • Safety and Practical Considerations in Set Construction • Collaborative Work with Directors, Producers, and Other Designers • Problem-Solving and Adaptability in Set Design

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical 2 credit subject Total Marks – 50 (Continuous Assessment)

Module 1: Concept Design (Marks – 25)
• Conceptual set design project, including sketches, mood boards, and storyboards (50%)

Module 2: Set Design project (Marks – 25)
• Technical execution of a set design project, including construction and integration of elements (50%)

References

1. Birn, R. (2002). **The Art of Scenic Design: A Practical Guide to the Craft, the Tools, and the Techniques.** Backstage Books.
2. Allen, D. (2017). **The art of theatrical design: Elements of visual composition, methods, and practice**. Routledge.
3. Appelbaum, R., & Bregna, G. (2012). **The creative director: Alternative rehearsal techniques**. Drama Publishers.
4. Brown, R. (2012). **The set design process**. McFarland.
5. Campbell, D. (2004). **Designing and painting for the theatre**. A & C Black.
6. Gillette, J. M. (2012). **Theatrical design and production: An introduction to scene design and construction, lighting, sound, costume, and makeup** (7th ed.). McGraw-Hill.
7. Ingham, R., & Covey, L. (2013). **Theatre backstage from A-Z**: Fourth edition. Drama Publishers.
8. Jones, R. (2004). **The dramatic imagination: Reflections and speculations on the art of the theatre**. Theatre Arts Books.
9. Kaye, D., & LeBrecht, J. (2009). **Sound and music for the theatre: The art and technique of design** (3rd ed.). Focal Press.
10. Pallin, G. (2010). **Stage management: The essential handbook**. Nick Hern Books.
11. Pecktal, L. (1995). **Designing and drafting for the theatre** (2nd ed.). McGraw-Hill.
12. Wenger, W. (2009). **The Handbook of Set Design**. The Crowood Press.

Semester III: Designing for Special Population (Th)

Major (Core): Designing for Special Population (Th)

Subject Code:

Elective Course

Course Description:
This course provides MSc Interior Design students with the knowledge and skills necessary to design interior environments that meet the needs of special populations, including the elderly, children, individuals with disabilities, and other marginalized groups. The course emphasizes universal design principles, accessibility standards, and the importance of creating inclusive and supportive environments.

Course Title	Designing for Special Population (Th)	
Course Credits	4 Credits	
Course Outcomes	After going through the course, learners will be able to	
	1. Evaluate the unique needs of special populations.	
	2. Apply universal design principles to create inclusive environments.	
	3. Comply with accessibility standards and regulations.	
	4. Evaluate and select appropriate materials, furnishings, and technologies.	
	5. Design spaces that promote independence, safety, and well-being for special populations.	
Module 1: Introduction to Designing for Special Populations		
Learning Outcomes	After learning the module, learners will be able to	
	1. Define special populations and identify the importance of inclusive and universal design.	
	2. Apply universal design principles in interior design projects.	
	3. Employ a human-centered design approach to address user needs	
	4. Consider ethical implications in designing for special populations.	
Content Outline	• Overview of Special Populations • Importance of Inclusive Design • Universal Design Principles • Human-Centered Design Approach • Ethical Considerations in Design	

Module 2: Accessibility Standards and Regulations	
Learning Outcomes	After learning the module, learners will be able to
	1. Understand and apply key accessibility standards and regulations.
	2. Design spaces that accommodate physical disabilities, cognitive and sensory impairments.
	3. Implement wayfinding and spatial orientation strategies.
	4. Navigate compliance and certification processes for accessible design.
Content Outline	• Overview of Accessibility Standards (ADA, ANSI, ISO) • Designing for Physical Disabilities • Designing for Cognitive and Sensory Impairments • Wayfinding and Spatial Orientation • Compliance and Certification Processes

Module 3 (Credit 1) : Inferential Statistics and Hypothesis Testing	
Learning Outcomes	After learning the module, learners will be able to
	1. Create design solutions that meet the needs of the elderly.
	2. Design environments that are safe and stimulating for children & individuals with autism spectrum disorder.
	3. Develop design strategies for individuals with visual and hearing impairments.
	4. Incorporate multigenerational and intergenerational design concepts.
Content Outline	• Designing for the Elderly • Designing for Children • Designing for Individuals with Autism Spectrum Disorder • Designing for Individuals with Visual and Hearing Impairments • Multigenerational and Intergenerational Design

Module 4: Technology and Materials in Inclusive Design	
Learning Outcomes	After learning the module, learners will be able to
	1. Integrate assistive technologies and smart home solutions in design.
	2. Apply ergonomic and anthropometric principles in designing for special populations.
	3. Design spaces that support mental health and well-being.
	4. Explore future trends and innovations in inclusive design.
Content Outline	• Assistive Technologies and Smart Home Solutions • Ergonomics and Anthropometrics in Special Populations • Sustainable and Health-Promoting Materials • Designing for Mental Health and Well-being • Future Trends in Inclusive Design

Assessment Pattern:

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 50 (Continuous Assessment)

Module 1: Inclusive Design (Marks – 10)
- Assignment on the importance of inclusive design (15%)
- Case study analysis of an inclusive design project (10%)

Module 2: Accessibility project (Marks – 15)
- Report on Accessibility compliance (15%)
- Design project addressing physical, cognitive, and sensory impairments (15%)

Module 3: Design projects (Marks – 10)
- Design proposal for a specific population (15%)
- Presentation on multigenerational design strategies (10%)

Module 4: Group projects and presentations (Marks – 15)
- Assistive technology integration project (10%)
- Final inclusive design project and presentation (15%)

References

1. Steinfeld, E., & Maisel, J. (2012). **Universal Design: Creating Inclusive Environments**. Wiley.
2. Leibrock, C. (1999). **Design for Dignity: Accessible Environments for People with Disabilities**. Whitney Library of Design.
3. Preiser, W. F. E., & Ostroff, E. (2001). **Universal Design Handbook**. McGraw-Hill Education.
4. Null, R. (2013). **Universal Design: Principles and Models**. CRC Press.
5. Story, M. F., Mueller, J. L., & Mace, R. L. (Eds.). (1998). **The Universal Design File: Designing for People of All Ages and Abilities**. NC State University, The Center for Universal Design.
6. Sanford, J. A. (2012). **Design for the Ages: Universal Design as a Rehabilitation Strategy**. Springer Publishing Company.
7. Pullin, G. (2009). **Design Meets Disability**. MIT Press.
8. Farage, M. A., Miller, K. W., Ajayi, F., & Hutchins, D. (Eds.). (2012). **Designing for Older Adults: Principles and Creative Human Factors Approaches**. CRC Press.
9. Preiser, W. F. E., Smith, K. H., & Smith, K. (Eds.). (2011). **Design Interventions: Toward a More Humane Architecture**. Routledge.

Semester III: Research Project (Pr)

Major (Core): Research Project (Pr)

Subject Code:

Course Description:
This course is designed to guide MSc Interior Design students through the process of conducting a comprehensive research project related to interior design. Students will learn how to formulate research questions, design and implement research methodologies, analyse data, and present their findings. The course aims to develop students' research skills and contribute to the body of knowledge in the field of interior design.

Course Title	Research Project (Pr)
Course Credits	**4 Credits**
Course Outcomes	After going through the course, learners will be able to
	1. Develop a research proposal with clear objectives and methodology.
	2. Conduct a literature review and contextualize the research within existing knowledge.
	3. Implement appropriate research methods and collect data.
	4. Analyze data using suitable techniques and tools.
	5. Present research findings in a coherent and scholarly manner.
Module 1: Research Foundations and Proposal Development	
Learning Outcomes	After learning the module, learners will be able to
	1. Develop clear and concise research questions and hypotheses.
	2. Design a research study with appropriate methodology.
	3. Plan & Write a comprehensive research proposal.
	4. Apply ethical principles in research.
Content Outline	• Introduction to Research in Interior Design • Formulating Research Questions and Hypotheses • Research Design and Methodology • Writing a Research Proposal • Ethics in Research
Module 2: Literature Review and Theoretical Framework	

Learning Outcomes	After learning the module, learners will be able to
	1. Conduct a thorough literature review on a chosen topic & Identify gaps and areas for further research.
	2. Develop a theoretical framework to guide the research.
	3. Appropriately cite sources and understand the importance of academic integrity.
	4. Design & Write a coherent literature review section.
Content Outline	• Conducting a Literature Review • Identifying Gaps in Existing Research • Developing a Theoretical Framework • Citing Sources and Avoiding Plagiarism • Writing the Literature Review Section

Module 3: Data Collection and Analysis

Learning Outcomes	After learning the module, learners will be able to
	1. Apply various data collection methods & design effective tools for data collection.
	2. Collect data systematically and ethically.
	3. Analyze data using appropriate methods and tools
	4. Interpret and present data findings.
Content Outline	• Qualitative and Quantitative Research Methods • Designing Surveys, Interviews, and Observation Protocols • Data Collection Techniques • Data Analysis Methods (Statistical Analysis, Thematic Analysis) • Using Software Tools for Data Analysis (SPSS, R, Excel)

Module 4: Presenting Research Findings and Writing the Research Report

Learning Outcomes	After learning the module, learners will be able to
	1. Structure report and present research findings clearly and effectively.
	2. Apply visual tools to enhance the presentation of data.
	3. Write logical conclusions and recommendations.
	4. Prepare for and deliver an effective oral presentation during viva voce.
Content Outline	• Structuring the Research Report • Writing the Results and Discussion Sections • Visualizing Data (Charts, Graphs, Tables) • Writing Conclusions and Recommendations • Preparing for Oral Presentations and Viva voce

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 100 (Continuous Assessment)

Module 1: Research Proposal (Marks – 25)
- Preparation of Research proposal (15%)
- Assignment on Ethics in research (10%)

Module 2: Review of Literature **(Marks – 25)**
- Collecting review of literature (10%)
- Literature review draft (15%)

Module 3: Data Collection (Marks – 25)
- Data collection plan (10%)
- Data analysis report (15%)

Module 4: Research Report (Marks – 25)
- • Research report draft (5%)
- Final research report (15%)
- Oral presentation/Viva voce (5%)

References

1. Creswell, J. W., & Creswell, J. D. (2018). **Research Design: Qualitative, Quantitative, and Mixed Methods Approaches** (5th ed.). Sage Publications.
2. Bryman, A. (2016). **Social Research Methods** (5th ed.). Oxford University Press.
3. Babbie, E. R. (2020). **The Practice of Social Research** (15th ed.). Cengage Learning.
4. Yin, R. K. (2018). **Case Study Research and Applications: Design and Methods** (6th ed.). Sage Publications.
5. Saunders, M. N. K., Lewis, P., & Thornhill, A. (2019). **Research Methods for Business Students** (8th ed.). Pearson.
6. Cohen, L., Manion, L., & Morrison, K. (2018). **Research Methods in Education** (8th ed.). Routledge.
7. Neuman, W. L. (2014). **Social Research Methods: Qualitative and Quantitative Approaches** (7th ed.). Pearson.
8. Patton, M. Q. (2015). **Qualitative Research & Evaluation Methods** (4th ed.). Sage Publications.
9. Kothari, C. R. (2004). **Research Methodology: Methods and Techniques** (2nd ed.). New Age International Publishers.
10. Robson, C., & McCartan, K. (2016). **Real World Research** (4th ed.). Wiley.

Semester IV: Professional Practices & Certification (Th)

Major (Core): Professional Practices & Certification (Th)

Subject Code:

Course Description:
This course is designed to prepare Masters in Interior Design students for professional practice in the interior design industry. It covers ethical standards, advanced project management, effective communication skills, and industry-specific regulations, with an emphasis on practical applications and professional development.

Course Title	Professional Practices & Certification (Th)
Course Credits	**4 Credits**
Course Outcomes	After going through the course, learners will be able to
	1. Apply ethical standards and best practices in interior design.
	2. Develop advanced project management skills specific to interior design projects.
	3. Enhance professional skill in making proposals for tenders, contracts and estimation & client interaction skills.
	4. Navigate industry-specific regulations and prepare for professional certification.
Module 1: Ethics and Professional Responsibility in Interior Design	
Learning Outcomes	After learning the module, learners will be able to
	• Define key ethical principles in interior design.
	• Apply ethical decision-making to design scenarios.
	• Apply professional codes of conduct and legal responsibilities.
	• Foster sustainable and responsible design practices.
Content Outline	• Introduction to Professional Ethics in Interior Design • Ethical Decision-Making in Design Projects • Professional Codes of Conduct (ASID, IIDA) • Legal Responsibilities and Client Relationships • Sustainable and Responsible Design Practices
Module 2: Writing Proposals for Tenders, Contracts & Estimation	
Learning Outcomes	After learning the module, learners will be able to
	1. Identify different types of tenders and contracts

	2. Create well-structured and persuasive proposal content that addresses all client requirements.
	3. Apply principles of cost estimation to develop accurate and competitive budgets.
	4. Develop strategies for creating proposals that highlight unique selling points and competitive advantages.
Content Outline	• Importance of estimating & Type of estimates • Unit and Mode of measurements, rate, analysis, bills of quantities etc. • Meaning of tender and contract, tender notice, tender document, types of tenders, earnest money etc. • Type of contract, articles of agreement, execution of contract, scope of contract, duties and liabilities of designer and contractor, professional relations with client.

Module 3: Advanced Project Management for Interior Designers

Learning Outcomes	After learning the module, learners will be able to
	1. Develop detailed project plans and schedules.
	2. Effectively manage project resources, budgets & risks in the project
	3. Coordinate seamlessly with contractors and suppliers.
	4. Monitor and ensure quality control throughout the project lifecycle.
Content Outline	• Comprehensive Project Planning and Scheduling • Resource Management and Budgeting • Risk Management in Design Projects • Coordination with Contractors and Suppliers • Project Monitoring, Reporting, and Quality Control

Module 4: Industry Regulations and Professional Development

Learning Outcomes	After learning the module, learners will be able to
	1. Comply with industry regulations and codes & implement best practices for safety and accessibility in design.
	2. Navigate the professional certification process.
	3. Develop a career plan and professional network.
	4. Explore business development and entrepreneurial opportunities.
Content Outline	• Overview of Interior Design Regulations and Codes • Building Codes, Accessibility Standards, and Safety Regulations • Compliance and Best Practices in Interior Design • Professional Certification (NCIDQ) and Continuing Education • Career Planning, Networking, and Business Development

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 100 (Continuous Assessment)

Module 1: Case study (Marks – 25)
- Case study analysis (15%)
- Reflective essay on ethical practice in design (10%)

Module 2: Project (Marks – 25)
- Write tender related business letter.
- Prepare tenders and contracts for a residential site and Commercial sites.
- Preparing Bill of Quantities for any furniture.
- List units and modes of measurements of materials, labour and items of work.

Module 3: Group projects (Marks – 25)
- Project management simulation (10%)
- Group project plan and presentation (15%)

Module 4: Classroom Project (Marks – 25)
- Assignment on Compliance and regulation (10%)
- Professional development and career plan (15%)

References

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2. Kendall, G. T. (2020). **Interior Design Project Management: Principles and Practices.** Fairchild Books.
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9. Travis, J. (2013). **Ethics in Interior Design**. Prentice Hall.

Semester IV: Internship (Pr)

Internship: Internship (Pr)

Subject Code:

Course Description:
The Internship course offers MSc Interior Design students the opportunity to gain substantial practical experience in the field of interior design through supervised work placements in relevant industries. This extended internship allows students to deepen their understanding of interior design practice, develop advanced skills, and build professional networks. Through hands-on projects and immersive experiences, students will enhance their readiness for career advancement in the interior design profession.

Course Title	Internship (Pr)	
Course Credits	**8 (240 Hours)**	
Course Outcomes	After going through the course, learners will be able to	
	1.	Apply advanced theoretical knowledge and skills to real-world design projects.
	2.	Develop advanced professional skills, work ethics, and leadership qualities.
	3.	Establish strong connections and networks within the interior design industry.
	4.	Engage in critical reflection and self-assessment to identify areas for continuous improvement and growth.
Module 1: Pre-Internship Preparation and Goal Setting		
Learning Outcomes	After learning the module, learners will be able to	
	1.	Apply advanced theoretical knowledge and skills to real-world design projects.
	2.	Gain extensive practical experience across various aspects of interior design practice.
	3.	Develop advanced professional skills, work ethics, and leadership qualities.
	4.	Establish strong connections and networks within the interior design industry.
Content Outline	• Defining Personal and Professional Objectives for the Internship • Tailoring Resume, Portfolio, and Cover Letter for Placement Opportunities	

	• Researching and Identifying Potential Internship Host Organizations • Developing Effective Networking Strategies • Setting Learning Goals and Expectations for the Internship Experience

Module 2: Immersive Internship Experience

Learning Outcomes	After learning the module, learners will be able to
	1. Familiarize oneself with the host organization's operations, culture, and projects.
	2. Adopt roles and responsibilities within the internship setting.
	3. Actively participate in real-world design projects and collaborative activities.
	4. Seek mentorship and guidance from experienced supervisors and peers.
Content Outline	• Introduction to the Host Organization's Structure, Culture, and Projects • Understanding Internship Roles, Responsibilities, and Expectations • Engaging in Real-World Design Projects and Collaborative Activities • Applying Advanced Interior Design Concepts, Techniques, and Methodologies • Seeking Mentorship and Professional Guidance from Supervisors and Peers

Module 3: Professional Development and Leadership

Learning Outcomes	After learning the module, learners will be able to
	1. Develop advanced design and presentation skills for professional settings.
	2. Enhance communication, negotiation, and client management abilities.
	3. Collaborate effectively & manage time, resources, and project deadlines efficiently and responsibly.
	4. Navigate ethical, legal, and regulatory considerations inherent in interior design practice.
Content Outline	• Developing Advanced Design and Presentation Skills • Enhancing Communication, Negotiation, and Client Management Abilities • Leading and Collaborating Effectively within Design Teams • Managing Time, Resources, and Project Deadlines

	• Navigating Ethical, Legal, and Regulatory Considerations in Interior Design Practice
Module 4: Reflective Practice and Career Planning	
Learning Outcomes	After learning the module, learners will be able to
	1. Reflect critically on internship experiences, achievements, and challenges.
	2. Evaluate progress towards initial learning objectives and goals set at the beginning of the internship.
	3. Gather feedback from supervisors, mentors, and peers to inform self-assessment.
	4. Develop a strategic career plan and set actionable goals for future advancement.
Content Outline	• Reflecting on Internship Experiences, Achievements, and Challenges • Evaluating Progress Towards Initial Learning Objectives and Goals • Gathering Feedback from Supervisors, Mentors, and Peers • Identifying Strengths, Weaknesses, and Areas for Professional Growth • Developing a Strategic Career Plan and Setting Future Goals

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 100 (Continuous Assessment)

Module 1: Internship Pre-preparation (Marks – 25)
• Internship goals and objectives statement (10%)
• Updated resume, portfolio, and cover letter submission (15%)

Module 2: Progress Mid-Term (Marks – 25)
• Mid-internship progress report and evaluation (10%)
• Supervisor feedback and performance evaluation (15%)

Module 3: Professional Development (Marks – 25)
• Professional development portfolio showcasing advanced skills (15%)
• Leadership and teamwork assessment (10%)
Module 4: Classroom Project (Marks – 25)
• Final internship reflection report (15%)
• Presentation & Viva voce (10%)

References

1. **Department Internship Manual**. (2020).

Major (Core): Project Management (Th)

Subject Code:

Course Description: This course is designed to equip MSc Interior Design students with the project management skills necessary to successfully plan, execute, and complete interior design projects. The course covers essential aspects of project management, including project planning, resource management, risk management, and project monitoring and evaluation, with a focus on the specific needs of the interior design industry.	

Course Title	Project Management (Th)
Course Credits	**4 Credits**
Course Outcomes	After going through the course, learners will be able to
	1. Develop comprehensive project plans tailored to the projects.
	2. Effectively manage resources, budgets, and timelines.
	3. Identify and mitigate risks in the projects & Monitor and evaluate project progress and outcomes.
	4. Coordinate effectively with clients, contractors, and other stakeholders.
Module 1: Project Planning and Scheduling	
Learning Outcomes	After learning the module, learners will be able to
	1. Understand the project life cycle and its phases.
	2. Create a detailed work breakdown structure.
	3. Develop project schedules using various techniques.
	4. Utilize project planning tools effectively.
Content Outline	• Introduction to Project Management in Interior Design • Project Life Cycle and Phases • Defining Project Scope and Objectives • Work Breakdown Structure (WBS) • Scheduling Techniques (Gantt Charts, Critical Path Method) • Tools for Project Planning (MS Project, Trello)
Module 2: Resource Management and Budgeting	
Learning Outcomes	After learning the module, learners will be able to

	1. Allocate and manage resources efficiently.
	2. Estimate project costs and develop budgets.
	3. Handle procurement and vendor relationships & manage human resources.
	4. Prioritize and manage multiple projects concurrently.
Content Outline	• Resource Allocation and Management • Estimating Costs and Budgeting • Procurement and Vendor Management • Human Resource Management in Projects • Managing Multiple Projects and Prioritization

Module 3: Risk Management in Interior Design Projects

Learning Outcomes	After learning the module, learners will be able to
	1. Identify potential risks in the projects & conduct risk assessments and analyses.
	2. Develop comprehensive risk management plans.
	3. Implement strategies to mitigate identified risks.
	4. Monitor and control risks throughout the project.
Content Outline	• Identifying Project Risks • Risk Assessment and Analysis • Developing Risk Management Plans • Implementing Risk Mitigation Strategies • Monitoring and Controlling Risks

Module 4: Project Monitoring, Evaluation, and Closure

Learning Outcomes	After learning the module, learners will be able to
	1. Monitor project progress using key performance indicators and milestones.
	2. Ensure quality control and assurance & prepare comprehensive project reports and documentation.
	3. Communicate effectively with stakeholders.
	4. Manage project closure and handover processes.
Content Outline	• Monitoring Project Progress (KPIs, Milestones) • Quality Control and Assurance • Project Reporting and Documentation • Stakeholder Communication and Management • Project Evaluation and Lessons Learned • Project Closure and Handover

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 100 (Continuous Assessment)

Module 1: Project Scope & schedule (Marks – 15)
- Project scope statement and WBS (15%)
- Project schedule creation using software tools (10%)

Module 2: Project (Marks – 10)
- Resource allocation plan (10%)
- Budget development assignment (15%)

Module 3: Classroom Assignment (Marks – 10)
- Risk identification and assessment report (15%)
- Risk management plan (10%)

Module 4: Project (Marks – 15)
- Project progress report (10%)
- Final project evaluation and closure report (15%)

References

1. Ramroth, W. G. (2006). **Project Management for Design Professionals**. Kaplan AEC Education.
2. Mantel, S. J., Meredith, J. R., Shafer, S. M., & Sutton, M. M. (2011). **Project Management in Practice** (4th ed.). Wiley.
3. Larson, E. W., & Gray, C. F. (2021). **Project Management: The Managerial Process** (8th ed.). McGraw-Hill Education.
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11. Heagney, J. (2016). **Fundamentals of Project Management** (5th ed.). AMACOM.
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Semester IV: Research Project – Dissertation

Research Project: Research Project – Dissertation

Subject Code:

Course Description:
The Research Project - Dissertation course is the pinnacle of the MSc Interior Design program, offering students the opportunity to delve deeply into a topic of their choose within the field of interior design. Under the mentorship of a faculty advisor, students will conceive, execute, and document an extensive research project that contributes to the advancement of knowledge in interior design. This course emphasizes critical analysis, research methodology, and scholarly writing, preparing students for careers in academia, research, or professional practice.

Course Title	Research Project – Dissertation
Course Credits	**6 Credits**
Course Outcomes	After going through the course, learners will be able to
	1. Develop a well-defined research question or hypothesis within the scope of interior design.
	2. Design and implement a robust research methodology suitable for investigating the research question.
	3. Collect, analyze, and interpret data using appropriate quantitative or qualitative research methods.
	4. Demonstrate proficiency in scholarly writing, including literature review, methodology description, and results discussion.
Module 1: Research Proposal Development	
Learning Outcomes	After learning the module, learners will be able to
	1. Define a clear and concise research question and objectives.
	2. Conduct a thorough review of existing literature and establish a theoretical framework.
	3. Design an appropriate research methodology and justify methodological choices.
	4. Address ethical considerations and develop a detailed research proposal outlining the research plan and timeline.
Content Outline	• Formulating a Research Question and Objectives • Review of Literature and Theoretical Framework • Research Design and Methodology

	• Ethical Considerations and Institutional Approval • Developing a Comprehensive Research Proposal

Module 2: Data Collection and Analysis

Learning Outcomes	After learning the module, learners will be able to
	1. Implement data collection techniques and ensure data quality and integrity.
	2. Recruit participants and obtain informed consent in accordance with ethical guidelines.
	3. Manage and analyze collected data using appropriate statistical or qualitative analysis methods.
	4. Interpret research findings derived from quantitative and qualitative data analysis & present data analysis results
Content Outline	• Selection of Data Collection Techniques and Instruments • Participant Recruitment and Informed Consent • Data Management and Quality Assurance • Quantitative Data Analysis Methods • Qualitative Data Analysis Techniques

Module 3: Research Execution and Progress Reporting

Learning Outcomes	After learning the module, learners will be able to
	1. Execute research activities according to the approved research plan and timeline.
	2. Manage project timelines and milestones effectively to ensure timely progress.
	3. Identify and address challenges encountered & maintain open communication with supervisors and seek guidance as needed.
	4. Prepare and deliver progress reports that document research execution and findings.
Content Outline	• Executing Research Activities According to Plan • Project Management and Timelines • Addressing Challenges and Modifying Research Protocols • Communicating Progress with Supervisors • Preparing and Delivering Progress Reports

Module 4: Data Interpretation and Results Presentation

Learning Outcomes	After learning the module, learners will be able to
	1. Analyze and interpret research findings derived from collected data.
	2. Present research results clearly and effectively through written and oral means.

	3. Utilize data visualization techniques to enhance the presentation of results.
	4. Discuss the implications and limitations of the study findings.
Content Outline	• Analyzing and Interpreting Research Findings • Presenting Results Effectively • Utilizing Data Visualization Techniques • Discussing Implications and Limitations of the Study • Drafting the Results Section of the Dissertation

Module 5: Dissertation Writing and Revision

Learning Outcomes	After learning the module, learners will be able to
	• Structure the dissertation manuscript according to established academic conventions.
	• Demonstrate proficiency in scholarly writing and citation practices.
	• Revise and edit the dissertation draft for clarity, coherence, and academic rigor.
	• Incorporate feedback received from supervisors and peers to improve the quality of the dissertation & submit manuscript.
Content Outline	• Structuring the Dissertation: Introduction, Methodology, Results, Discussion, Conclusion • Academic Writing Style and Citation Practices • Revising and Editing the Dissertation Draft • Incorporating Feedback from Supervisors and Peers • Finalizing the Dissertation for Submission

Module 6: Dissertation Viva Voce and Presentation

Learning Outcomes	After learning the module, learners will be able to
	• Prepare and deliver a comprehensive dissertation defense presentation that effectively communicates research findings and contributions.
	• Respond confidently and professionally to questions and critiques posed by the examining committee.
	• Reflect on the research journey, including challenges faced, lessons learned, and personal growth experienced throughout the process.
	• On successful completion of the dissertation, acknowledge the support received from mentors, peers, and loved ones.
Content Outline	• Preparing for the Dissertation Defense • Presentation of Research Findings to Examining Committee • Responding to Questions and Critiques • Reflecting on the Research Journey • Celebrating the Completion of the Dissertation

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

For Practical subject Total Marks – 100 (Continuous Assessment)

    Module 1: Research Proposal (Marks – 25)

- Research proposal submission (15%)
- Proposal presentation (10%)

Module 2: Data collection (Marks – 25)
- Data collection and management plan: (15%)
- Data analysis report: (10%)

Module 3: Progress report (Marks – 25)
- Progress report on research execution (15%)
- Presentation on research progress (10%)

Module 4: Project (Marks – 25)
- Presentation on data interpretation and results (10%)
- Results section draft of the dissertation (15%)

Module 5: Progress report (Marks – 25)
- Dissertation draft submission (15%)
- Peer review and feedback (10%)

Module 6: Project (Marks – 25)
- Dissertation viva voce presentation evaluation by the examining committee.
- Responses to questions and critiques during the viva.

References
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20. Robson, C., & McCartan, K. (2016). **Real World Research** (4th ed.). Wiley.