

Design Project

Course Code:

Level: 1

Credits: 6

Pre-Requisite: None

Duration Contact Hours:

i. Theory: Nil

ii. Practical: Nil

iii. Self-Study/Project/Industry: 180 (6 Cr x 2.0 x15)

Aim

The subject aims to impart the students a holistic understanding of space planning and design by learning of making of parti diagrams, zoning and bubble diagrams and Proximity Diagrams.

Understanding of Spatial divisions and circulation paths will be crucial part of the module. In additions to functionality, basic sense of aesthetics and ability to use design principles in interior spaces need to be further developed.

Expected Learning Outcomes

At the end of the course, the student is expected to be able to:

1. Create abstract diagrams, ideation sketches, parti diagrams as tools to exhibit the design process.
2. Implement the understanding of anthropometrics and ergonomics in spatial planning and sizing of furniture and other interior elements.
3. Develop Mood boards, concept boards and material boards to express ideas about the project.
4. Develop basic drawings like plans, sections, elevations and 3d visuals to visualize the space.

Learning and Teaching Strategy

The course is delivered via face-to-face mode; Classes will consist of lectures, studio work critiques, discussions, presentations, field trips, case studies, exercises, project reviews, Individual and team works.

Course Content

Unit I: Design Programming

Quantitative and Qualitative Requirements. Development of basic design program and understanding of design brief. Understanding of user and requirements.

Unit II: Conceptual Sketches & Ideation

Conceptual sketches- two dimensional and three dimensional. Ideation and Brainstorming Methods

Unit III: Parti Diagrams- Bubble, Zoning and Circulation Diagrams and Proximity Charts

Private vs Public Spaces, Semi-Public and Semi-Private Spaces. Adjacencies and Proximities of Activities and Spaces. Clearly defined circulation paths for public and private access.

Unit IV: Mood Boards and Material Boards

Development of physical and digital boards to explain design intent, color palette and materials used.

Unit V: Space Design

Design and Development of small spaces like public seating areas, work spaces, kiosks, etc.

Suggested Assessment Scheme

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| Assessment 1: Design programming | 10% |
| Assessment 2: Conceptual Sketches & Ideation | 10% |
| Assessment 3: Parti Diagrams | 20% |
| Assessment 4: Mood Boards & Material Boards | 20% |
| Assessment 5: Space Design | 40% |

References

Required Texts

Ching, F.D.K. (1979). Architecture, Form, space & order. New York: Van Nostrand Reinhold.
Edwards, B. (2004). Color. USA. Penguin
Cees W. De Jong. Et al. (2021) Ten Principles for Good Design: Dieter Rams

Reference Texts

1. Ching, F. 1987. Interior design illustrated. New York: Van Nostrand Reinhold.
2. Ching, F.D.K. (1975). Architectural graphics. New York: Van Nostrand Reinhold Co.
3. Crosbie M., Watson,D., (2004) Time-saver standards for architectural design: technical data for professional practice. New York :McGraw Hill
4. Neufert, E., Neufert P., Kister, J. (2012) Architects Data: Chichester, West Sussex, Ames, Iowa : Wiley-Blackwell
5. Graeme B. Stone S. 2007. Basics: Interior Architecture- Volumes 1-6, AVA Publishing SA Switzerland
6. Postell J., Gesimondo N. 2011.Materiality and Interior Construction, John Willey and Sons, Hoboken, New Jersey
7. Bachelard, G., 1994.The poetics of space. Boston: Beacon Press.