

Embracing Biophilia Design

OVERVIEW

Modinex explores the world of sustainability in modern architecture. Analysing the key levers and how the design community can influence sustainable design. We will analyse various building materials, construction methods, their embodied energy, thermal resistance, and their impact on achieving net zero emissions.

LEARNING OUTCOMES

- Understand the history behind biophilia and the evolution of the idea.
- Comprehend biophilic design principles and elements of biophilic design.
- Learn how to apply Biophilic strategies to workplace or healthcare projects.
- Understanding of health and well-being effects of biophilia on design
- Comprehending the benefits of specifying timber and natural materials in design.
- *Formal outcomes: Design – Practice Management and Professional Conduct - PC3, PC25. Project Initiation and Conceptual Design - PC28, PC31, PC33, PC35. Detailed Design and Construction Documentation - PC39, PC 45.*

FORMAL QUESTIONS

1. **Biophilic Design is the practice of connecting humans with nature through architectural design and product choice.**

True or False

2. **How does Frank Lloyd Wright's Falling Water embrace Biophilia?**

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3. **What is Biomimicry?**

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4. **Can including timber into a commercial project benefit the productivity and well-being of occupants?**

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5. **How can I apply Biophilic Design in the workplace?**

- a) Add plants into the design
- b) Create an open plan office
- c) Work from home 1 day a week

6. **Can views of nature in a hospital environment increase patients' recovery time?**

True or False

7. **Which of the following products would be most suitable for Biophilic Design?**

- a) Carpet
- b) Gyprock
- c) Timber

8. **Incorporating Biophilia into the workplace can increase productivity by how much?**

- a) 3%
- b) 8%
- c) 30%