

PALUDARIUM

Workshop Proposal

Thudak Design Studio's Paludarium Workshop! A Paludarium is a miniature ecosystem that blends land, water, and plant life into a self-sustaining habitat. This hands-on session is essential for every designer, offering a fun and immersive way to learn design, material exploration, and tool usage. Discover the perfect balance of ecology, craftsmanship, and creativity as you plan, assemble, and maintain your own Paludarium bringing nature seamlessly into any space.



ONE DAY WORKSHOP (INTERMEDIATE)

- 01** **Introduction**
Understanding its components and how it differs from aquariums and terrariums.
- 02** **Group Formation & Concept Development**
Participants collaborate to refine concepts, select materials, and develop a structured approach for assembly.
- 03** **Tools & Material Exploration**
Explore machine and hand tools, focusing on functionality, precision, safety, and material application for Paludarium construction.
- 04** **Designing, Sketching & Detailing**
Translate concepts into sketches, focusing on composition, proportions, and structural integrity. Refine design elements for precise execution.
- 05** **Plant Selection & Native Flora Integration**
Identify and select suitable native plants, considering ecological balance, sustainability, and adaptability within the Paludarium environment.
- 06** **Soil & Substrate Selection Based on Theme**
Choose appropriate soil and substrate materials to support plant growth, water balance, and overall thematic coherence of the Paludarium.
- 07** **Setup & Final Presentation**
Assemble the Paludarium, integrating design elements, plants, and substrates, showcasing concepts, challenges, and insights.
- 08** **Final Iterations - Refining the Design**
Enhance & refine the Paludarium, making final adjustments to composition, balance, and functionality - because design is an ongoing process.

Workshop Outcomes for Designers

This workshop enhances integrated **design thinking, blending ecology, aesthetics, and functionality**. It builds **material and tool proficiency** through hands-on experience with substrates and construction techniques. Designers strengthen **concept development, refining ideation, sketching, and problem-solving skills**. A focus on sustainability deepens awareness of native plant selection and eco-friendly design. Participants improve precision and detailing, ensuring structural integrity and balanced composition. Collaboration and presentation skills are honed, fostering **teamwork and effective communication**. Lastly, the workshop instills an **iterative mindset, encouraging continuous refinement and innovation in design**.

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Advanced (2-3 Days)

Thudak's advanced session is designed for experienced designers, offering a deeper exploration of structural complexity, material innovation, and ecological balance. Engage in advanced hardscaping, automated environmental controls, and specialized plant integration to refine your craft. Master precision tools, substrate engineering, and biome sustainability, pushing creative and technical boundaries. Discover the intersection of design, science, and sustainability as you construct intricate Paludariums that seamlessly merge nature with high-level craftsmanship.



ADVANCED INCLUSIONS

01

Glass cutting and Containment making

Master precision glass cutting and advanced containment techniques to create durable, well-sealed, and structurally complex Paludariums.

02

Material Sterilisation

Master material sterilization using OTG ovens, heat guns, and manual tools to eliminate contaminants for a sustainable Paludarium.

03

Waterbody Detailing

Advanced waterbody detailing, including dynamics, filtration techniques, and aesthetic integration for a balanced Paludarium ecosystem.

04

Cement Molding

Molding techniques to create durable, custom-designed covers that enhance both functionality and aesthetics in Paludariums.

05

Light Fixture Designing

Design and construct custom light fixtures using advanced techniques to enhance plant health, visual appeal, and environmental stability.

06

Maintenance Study

Develop expertise in Paludarium maintenance, focusing on water quality, plant care, structural durability, and long-term ecosystem stability.

07

Reaper Wood Fixtures Design

Develop expertise in Reaper wood fabrication, ensuring structural stability, seamless element integration, and optimal support for climbing plants.

*Basics of
lighting*



*Soft and
Hardscaping*

Plant Selection



*Understand
marsh lands*

*Design your
focus*



*Design light
fixture*

*Vertical
Plantation*



Cement Casting

*Substrate
layering*

*Sketch the
Design*

GLIMPSE

Our Offerings

Cement Tableware Designing
Resin Molding
Form Study and Exploration
Intense Material Exploration
Furniture Design Workshop
Packaging Design Workshop
Product Design Workshops

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