



COURSE #	COURSE NAME	CREDITS
AW101	Acetylated Wood	1 LU

COURSE DESCRIPTION

This course discusses acetylated woods and how they are made, their benefits and uses, as well as which species can be used.

LEARNING OBJECTIVES

1. Define the term "Acetylated Wood" and gain a basic understanding of its history.
2. Learn the benefits of the acetylation process and why it is a safe non-toxic alternative to other materials.
3. Describe how wood used in acetylated wood is a natural renewable resource and qualifies for LEED points.
4. Review global projects and learn why acetylated wood is used.

BSW101	Building Sustainably with Wood	1 LU
---------------	---------------------------------------	-------------

COURSE DESCRIPTION

This course discusses the benefits of wood that go beyond aesthetics. With buildings and their construction contributing 40% of global emissions, choosing the right materials is crucial. Evaluate inspiring case studies and learn about wood species, modification technologies, and forest management practices that create beautiful and high-performing wood materials that are sustainable throughout the entire lifecycle.

LEARNING OBJECTIVES

1. Understand the benefits of high-performance and sustainable exterior wood.
2. Understand the benefits of wood as a renewable building material and its role in carbon sequestration.
3. Identify wood species and modified timber sourced from well managed forests that create high-performing cladding material.
4. Evaluate case studies of residential projects that showcase the effective use of wood materials.

SSB101	Shou Sugi Ban 101	1 LU
---------------	--------------------------	-------------

COURSE DESCRIPTION

This course is designed to explain the wood charring process, its benefits, qualities and practical design tips.

LEARNING OBJECTIVES

1. The design professional will be able to compare the maintenance requirements of all charred wood siding to that of regular wood siding.
2. The design professional will be able to calculate total pricing of Shou Sugi Ban material for residential and commercial jobs.
3. The design professional will understand the wood charring process and be able to explain the benefits of charred siding.
4. The design professional will be able to explain installation process of various Shou Sugi Ban products in residential and commercial applications.

ALWAYS PIONEERING



<u>COURSE #</u>	<u>COURSE NAME</u>	<u>CREDITS</u>
TMW101	Thermally Modified Woods	0.5 LU

COURSE DESCRIPTION

This course discusses the process of thermal modification, which species are typically used in thermal modification, and the benefits and uses of thermally modified wood.

LEARNING OBJECTIVES

1. Understand the process of thermal modification and its current use in the industry.
2. Discuss the benefits of thermal modification and why thermally modified wood is a safe, chemical-free alternative to other materials.
3. Describe how the wood species used in the thermal modification process are natural, renewable resources.
4. Review projects and learn how thermally modified wood is used.

TMW201	ThermoWood Spruce	1 LU
--------	-------------------	------

COURSE DESCRIPTION

Understand the history of ThermoWood and why thermal modification is an effective method for improving the strength & durability of a natural wood product.

LEARNING OBJECTIVES

1. Understand the Thermo treatment process and product characteristics of ThermoWood.
2. Understand the importance of natural products in building construction to achieve sustainable architecture.
3. Review installation methods and project photos.
4. Review surface treatment and natural weathering effects.

DELTA CONTACT
info@deltamillworks.com

4701 East 5th St.
Austin, TX 78702
deltamillworks.com