

## Calendar Outline of Green Building Professional Certificate Program

	<b>Class session 1</b>	<b>Class session 2</b>	<b>Class session 3</b>	<b>Class session 4</b>	<b>Class session 5</b>	<b>Class session 6</b>
<b>Semester 1</b>	January 10	February 7	March 7	April 4	May 2	June 6
<b>Semester 2</b>	July 11	August 1	September 12	October 3	November 7	December 5
<b>Block 1</b>	<b>INTRO and OVERVIEW</b> The Current Context Overview of Green Building and Sustainability	<b>WATER</b> Global issues Watersheds	<b>ENERGY</b> Bioclimatic design Human comfort	<b>MATERIALS</b> Vernacular building Green Scorecard Selection criteria	<b>MATERIALS</b> Finish materials Gypsum Flooring Paints and finishes	<b>IEQ</b> Mechanical systems Air filtration Natural ventilation
<b>Block 2</b>	Envisioning the Future	Water-efficient landscaping Water-efficient fixtures Wastewater treatment Rainwater catchment	Energy efficiency in existing buildings	LCA Solid waste	Mold and moisture Natural building	<b>FINAL EXAM</b>
<b>Block 3</b>	<b>SITE</b> Sprawl Land use issues Smart Growth Transportation alternatives	<b>ENERGY</b> Overview Primary sources and end uses Supply and sink issues	Lighting Daylighting Glazing	Structural materials Concrete Steel Wood	<b>IEQ</b> Financial benefits Bio-burden Precautionary principle Daylight and views	<b>IN PRACTICE</b> Sustainable business Sustainable campus <b>Sustainable community</b>
<b>Block 4</b>	Site development LID BMP's Ecological landscaping Heat-Island Effect Light pollution	Energy fundamentals Renewable energy alternatives (PV, wind, wave, micro-hydro, etc.)	Heating and cooling, Conventional and alternatives Controls Commissioning	Roofing Siding Insulation Windows and doors	Indoor air pollutants Health effects Post-occupancy evaluation Cleaning materials	Wrap-up and discussion
<b>Semester 1 Thurs seminars</b>		February 12	March 12	April 9	May 7	
<b>Semester 2 Thurs seminars</b>		August 6	September 17	October 8	November 12	