East Coast Green

Protecting the Health Safety and Welfare of the Public

Course Information

Course 1001 **WELL Building Accreditation & Certification System Training**

Time: 10:15 PM – 12:30 PM and 1:30 PM – 5:00 PM

Speaker: Lia Nielsen

Description: Employees are the single largest expense for any company, far exceeding the cost of building and maintaining any facilities. We know that the built environment can both positively and adversely affect the health and productivity of occupants and employers are increasingly finding value in providing their employees with healthier and more conscious work environments. Whereas LEED is focused on the systems and structures of a building, WELL, a complementary rating system also administered by the Green Building Certification Institute, is concerned with the health and wellness of the occupants of the building. Learn where LEED and WELL overlap, and how they are significantly different, as well as the structure and components of the WELL Building Standard.

Course 2001 **Climate Reality – Effects and Solutions**

Time: 10:15 AM – 11:15 AM

Speaker: Jason Kliwinski, AIA, LEED AP

Description: Climate change is real, buildings are responsible for 40% of all greenhouse gas emissions contributing to climate change, and at current emission rates we will experience potentially catastrophic effects in the coming decades. These include potentially a 5-10' sea level rise, increased extreme weather events, drought, forest fires and health risks as a result of a warming planet. Architects must understand this complex issue and realize that they are on the front line of providing solutions to mitigate the causes and deal with the inevitable effects. This session will explain the issues and offer solutions that every Architect can use in their projects tomorrow.

Course 2002 **Resilient Design in a Changing Environment**

Time: 11:30 AM – 12:30 PM

Speaker: Tom Dallessio

Description: Presentation will include key theories and best practices related to resilient design. Citing news posts and designs, I will inform and challenge the participants to consider how resilient designs can improve the environment. Participants will understand the key terms and theories related to resilient design;consider the challenges and opportunities that natural and man-made disasters create for communities and the environment and explore ways resilient design could be used in your community.

Course 2003 **The A/E Role on Creating Good Indoor Environmental Quality**

Time: 1:30PM – 2:30 PM

Speaker: Jason Kliwinski, AIA, LEED AP

Description: Health and Wellness have continued to grow in interest and importance as we have come to better understand the indoor environment's impact. People spend an average of 90% of their time indoors. The design of these spaces is critical to protecting our well-being. What makes a good indoor environment? It is a complex answer that touches on lighting, temperature and humidity control, ergonomics, product toxicity, operation practices, and can extend to issues around food, water, beauty and movement. This session will explore the many facets of this topic and provide insight into how Architects and Engineers can think about and best plan for optimal indoor environments. Third part rating systems like LEED, LBC and WELL have captured this effort in their credits and point structure, which we will also draw from for this discussion and align this presentation with.

Course 2004 **Selecting and Specifying Healthy Materials in the age of Product Transparency**

Time: 2:45PM – 3:45 PM

Speaker: May Jane Augustine, Esq.

Description: There has been a noticeable shift in the building market toward "healthy" homes and workplaces. Homeowners are concerned with the potential hazards they are living with, and employers increasingly recognize the correlation between a healthy workplace and worker productivity. There are thousands of materials on the market, hundreds of "healthy" claims, and dozens of certifications. Where does one begin? How do you know what materials are right for the individual needs of your clients and projects? This seminar will discuss what's available, how to recognize the good from the bad, how healthy materials fit into LEED and other building certifications, and how to go about specifying them.

Course 2005 **Watershed LEED Platinum Building Tours**

Time: 4:00PM – 5:00 PM

Speaker: Michael Farewell, AIA

Description: This Seminar will explore the sustainable design for the LEED Platinum Environmental Center as it relates to the hydrological cycle and place of the Watershed. Site and energy strategies as well as the educational mission will be discussed.

Course 3001 **Meeting the New Energy Code ASHARE 90.1 & IRC 2015**

Time: 10:15 AM – 11:15 AM

Speaker: Bill Amann,P.E., DCEP, LEED FELLOW

Description: Learn the fundamental elements of the International Energy Code and the ASHRAE 90.1_Standard. For high-performance buildings, understand how Appendix G sets the baseline for comparative energy modeling. New requirements include skylights for daylighting, air barriers, vestibules, lighting controls, as well as HVAC system and controls.

Course 3002 **Commissioning – the Architects role to ensure optimal performance**
Time: 11:30 AM – 12:30 PM
Speaker: Kirk Tucker
Description: A presentation relationship between the design team and the commissioning agent. How this relationship can benefit the client and support the optimal performance of buildings.

Course 3003 **Watershed LEED Platinum Building Tours**
Time: 1:30PM – 2:30 PM
Speaker: Michael Farewell, AIA
Description: This Seminar will explore the sustainable design for the LEED Platinum Environmental Center as it relates to the hydrological cycle and place of the Watershed. Site and energy strategies as well as the educational mission will be discussed.

Course 3004 **Show Your Client the Money: aligning available grants and incentives with project goals**
Time: 2:45PM – 3:45 PM
Speakers: Gary Magiera and Tiffany Rolfing
Description: This seminar will provide cutting-edge information on how builders may take advantage of incentives by building Zero Energy Ready Homes, New Jersey ENERGY STAR® Homes, and Commercial and Industrial efficient technologies. Offered through New Jersey's Clean Energy Program™, the Residential New Construction Program promotes innovation in building design, techniques and overall operation. Additionally, attendees will learn key benefits of developing a comprehensive energy reduction plan for commercial and industrial buildings, large institutions, and small businesses.

Course 3005 **Tectonics of High Performance**
Time: 4:00PM – 5:00 PM
Speaker: David Gibson, AIA
Description: There being no clear architectural style expressing the developing field of sustainability, this seminar explores the design determinants which are developing a fresh new coherent architectural style expressing the powerful new issues which will give physical form to the goals of sustainable design – aesthetically. The design issues discussed are as follows; building massing / blocking and stacking, building envelope **design and** fenestration. Light harvesting, solar heating and cooling, HVAC systems design focusing on energy use and savings, lighting design, space use – layering - adjacencies and volume, & resilient site planning. Built projects, historical projects, and design proposals will be used to illustrate exciting new developments as we propose a fresh aesthetic which expresses the beauty and importance which can be achieved for buildings in the emerging sustainable built environment.