

EXTENDED EDUCATION

FALL 2009

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NON-CREDIT CERTIFICATE PROGRAMS

CERTIFICATE in AutoCAD 2009

This certificate is designed to build job mastery for the practicing construction professional architect, designer, engineer, programmer, or technician. The courses presume no previous background in the use of AutoCAD, but those who enroll are expected to have basic computer skills and knowledge of the basic principles of drafting. To earn the certificate in AutoCAD 2009, each participant must complete all four courses, which may be taken in different semesters. Courses also may be taken individually for skill enhancement. *NOTE: These courses are registered and approved by the AIA for professional continuing education, but are not approved for license renewal by the New York state licensing board for non-HSW credit. All classes must be attended for CES credit.

XCAD-023

AutoCAD Level I

Section: W01 (Old Westbury)

Wednesdays: Sept. 16, 23, 30, Oct. 7, 14, 21;
6 - 9 p.m.

Section: M01 (Manhattan)

Thursdays: Sept. 17, 24, Oct. 1, 8, 15, 22;
6 - 9 p.m.

Fee: \$390

During this hands-on course, architects, engineers, drafters, and design professionals use AutoCAD 2009, and learn about the tools and techniques necessary to complete and edit production drawings using basic 2-D commands.

XCAD-024

AutoCAD Level II Part A

Section: W01 (Old Westbury)

Wednesdays: October 28, November 4, 18,
December 2, 9, 16; 6 - 9 p.m.

Section: M01 (Manhattan)

Thursdays: October 29, November 5, 12, 19,
December 3, 10; 6 - 9 p.m.

Fee: \$390

In this intermediate course, participants use AutoCAD 2009 and expand on basic 2-D commands to refine and edit production drawings.

XCAD-025

AutoCAD Level II Part B

Section: W01 (Old Westbury)

Mondays: Sept. 14, 21, Oct. 5, 19, 26, Nov. 2;
6 - 9 p.m.

Section: M01 (Manhattan)

Tuesdays: Sept. 22, 29, Oct. 6, 13, 20, 27;
6 - 9 p.m.

Fee: \$390

As a continuation of the AutoCAD 2009 Level II Part A, this course expands participants' knowledge of advanced 2-D commands to increase their customizing ability and productivity.*Note: 3-D commands will not be covered in this course.

XCAD-026

AutoCAD III: 3-D Modeling and Rendering

Section: W01 (Old Westbury)

Mondays: Nov. 9, 16, 23, 30, Dec. 7, 14;
6 - 9 p.m.

Section: M01 (Manhattan)

Tuesdays: Nov. 10, 17, 24, Dec. 1, 8, 15;
6 - 9 p.m.

Fee: \$390

Using AutoCAD 2009, learn to use the 3-D commands to create and use drawing planes. Gain skills to render surface and solid models.

XCAD-027

AutoCAD Advanced 3-D

Please see description of course on page 14.

NON-CREDIT CERTIFICATE PROGRAMS

CERTIFICATE IN INTERIOR DECORATION

The certificate in interior decoration is aimed at adults who wish to pursue a new or an alternate career as an interior decorator. Upon successful completion of eight 10-week courses (five required and three electives) students will be awarded a certificate in interior decoration. The required courses are as follows: XDSG-001, XDEC-001, XDEC-002, XDEC-005, and XFSH-014. Courses meet for 10 sessions unless otherwise stated. Students must apply for the certificate in interior decoration upon completion of the program (applications are available at the Office of Extended Education). Students may also take individual courses for personal enrichment. **An advanced certificate in interior decoration requires that a total of 12 (10-week) courses be successfully completed.**

Long Island Feng Shui Institute Certificate and Courses

NYIT is pleased to announce its collaboration with the Long Island Feng Shui Institute at the Planting Fields Arboretum, State Historic Park in Oyster Bay. The mission is to educate students in the essential knowledge of Feng Shui from the perspective of Black Sect Tibetan Tantric Buddhism. By combining Eastern mysticism with Western modernism, courses will form a solid foundation and prepare students to become highly skilled and effective professionals who can easily interface with corporations, architects, interior designers, landscape architects, developers, and homeowners alike. A holistic approach allows students to become an integral part of a powerful, successful, supportive community of practitioners. Comprehensive weekend courses are designed to ground students in fundamental principles needed in order to expose them to the deeper and broader knowledge offered in the later workshops in this program. Both the practical spiritual and transcendental information will be included.

For more information, call 516.621.9898, e-mail INFO@fengshuischools.com, or visit www.fengshuischools.com.

XDSG-001

Design...Where It All Begins

Section: W01 (Old Westbury)

Wednesdays: Sept. 9, 16, 23, 30, Oct. 7, 14, 21, 28, Nov. 4, 18; 9:30 a.m. - noon.

Section: W02 (Old Westbury)

Mondays: Sept. 14, 21, Oct. 5, 19, 26, Nov. 2, 9, 16, 23, 30; 6:30 - 9 p.m.

Fee: \$305

This course introduces students to the fundamentals of interior decoration. Integration of form, color, and texture into a harmonious whole is at the core of this course. Spatial and three-dimensional organization are covered as well. This is a project-oriented, "learn-by-doing" program.

XDEC-001

Basic Drafting for Interior Decorators

Section: W01 (Old Westbury)

Tuesdays: Sept. 15, 22, 29, Oct. 6, 13, 20, 27, Nov. 10, 17, 24; 9:30 a.m. - noon.

Section: W02 (Old Westbury)

Wednesdays: Sept. 9, 16, 23, 30, Oct. 7, 14, 21, 28, Nov. 4, 18; 6:30 - 9:30 p.m.

Fee: \$305

Students learn the methods and techniques of basic drafting and detailing for interior space planning. Students are taught how to execute scale, room plans, reflective ceiling plans, and elevations. Prerequisite: XDSG-001. ****Equipment is required: estimated cost is \$125 (not included in cost of course).**

XDEC-002

Interior Decorating and Applications I

Section: W01 (Old Westbury)

Thursdays: Sept. 10, 17, 24, Oct. 1, 8, 15, 22, 29, Nov. 5, 12; 9:30 a.m. - 12:30 p.m.

Section: W02 (Old Westbury)

Tuesdays: Sept. 15, 22, 29, Oct. 6, 13, 20, 27, Nov. 10, 17, 24; 6:30 - 9:30 p.m.

Fee: \$305

In this course, interior decoration skills are developed- a series of projects. Students begin to apply their knowledge to simple interior spaces. Emphasis is placed on function, analysis, and space planning. Students also begin to incorporate color, furniture, and finishing, while graphically representing the interior space. Prerequisites: XDSG-001, XDEC-001.

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XDEC-005

Business Practices for Interior Decorators

Section: W01 (Old Westbury)

Mondays: Sept. 14, 21, Oct. 5, 19, 26, Nov. 2, 9, 16, 23, 30; 9:30 a.m. - noon.

Section: W02 (Old Westbury)

Thursdays: Sept. 17, 24, Oct. 1, 8, 15, 22, 29, Nov. 5, 12, 19; 6:30 - 9:30 p.m.

Fee: \$305

An introduction to the many aspects involved in maintaining a successful interior decorating practice. Some topics covered include contracts, legal responsibilities, fees, marketing strategy, client interviewing, and professional organizations.

XFSH-014

Fabrics and Materials

Section: W01 (Old Westbury)

Fridays: Sept. 11, 25, Oct. 2, 9, 16, 23, 30, Nov. 6, 13, 20; 9:30 a.m. - noon.

Section: W02 (Old Westbury)

Tuesdays: Sept. 15, 22, 29, Oct. 6, 13, 20, 27, Nov. 10, 17, 24; 6:30 - 9:30 p.m.

Fee: \$305

An overview of materials used in the decorating process, with emphasis on fabrics. The use of basic materials such as upholstery, draperies and curtains, flooring, carpeting, wall covering, and paint will be discussed, as well as execution processes including measuring, ordering, installation, and maintenance.

XDEC-037

Going Green in Your Home and Workplace

Section: W01 (Old Westbury)

Thursdays: Nov. 12, 19, Dec. 3, 10, 17; 10 a.m. - 12:30 p.m.

Fee: \$205

Create a more thoughtful and healthier environment for your family and the planet through the selection of earth-friendly products; fabrics, floor coverings, paint and finishes, lighting and furniture.

XDEC-038

Green Design and Feng Shui

Section: W01 (Old Westbury)

Thursdays: Oct. 8, 15, 22, 29, Nov. 5; 10 a.m. - 12:30 p.m.

Fee: \$205

Feng Shui is the ancient art of living in harmony with nature. By applying this ancient knowledge along with green design basics to your home and workplace you will learn how to improve the quality of your health while conserving the earth's natural resources. In this class you will develop awareness to select colors, shapes, textures and accessories to uplift the energy and enhance areas of your life that need improving.

XDEC-004

Kitchens and Baths

Section: W01 (Old Westbury)

Fridays: Sept. 25, Oct. 2, 9, 16, 23, 30, Nov. 6, 13, 20, Dec. 4; 9:30 a.m. - noon.

Fee: \$305

Students will be responsible for the actual development and execution of a kitchen and bathroom project. Issues to be addressed will include color, texture, function, lighting, and special considerations related specifically to kitchens and baths. Prerequisite: XDEC-001.

XDEC-029 Practical Decorating

Section: W01 (Old Westbury)

Mondays: Oct. 19, 26, Nov. 2, 9, 16; 9:30 a.m. - noon.

Fee: \$205

This is a course that addresses the practical world of an interior decorator. All phases of a design job—including obtaining clients, determining and fulfilling their needs, and delivering the product—will be discussed.

XDEC-027

The History of Furniture

Section: W01 (Old Westbury)

Thursdays: Sept. 17, 24, Oct. 1, 8, 15, 22, 29, Nov. 5, 12, 19; 9:30 a.m. - noon.

Fee: \$305

Learn about the history of furniture dating from ancient Egypt and Greece through the Western European countries. In addition, learn about the contributions of China and Japan. See how the evolution of furniture has influenced today's world of decorating.

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XDEC-033

Space Planning: Residential

Section W01 (Old Westbury):

Wednesdays: Sept. 23, 30, Oct. 7, 21, 28, Nov. 4, 11, 18, Dec. 2, 9; 10 a.m.-12:30 p.m.

Fee: \$305

Introduction to historical development of interior decoration and design. Study of space planning—furniture layouts in a residence. Analysis of color psychology in a living environment. Preparation of a residential space plan project. Prerequisites: XDSG-001 and XDEC-001.

XDEC-009

Resource Sampler Workshop

Section: W01 (Old Westbury)

Fridays: Oct. 30, Nov. 6, 13, 20, Dec. 4;

9:30 a.m. – noon.

Fee: \$205

Offering hands-on experience for students with a basic background in decorating, this course will consist of lectures and numerous field trips. Transportation and expenses for all field trips are the responsibility of the student. The first class will be held on campus; the remaining classes will be field trips.

XDEC-010

Accessories

Section: W01 (Old Westbury)

Mondays: Nov. 2, 9, 16, 23, 30;

9:30 a.m. – noon.

Fee: \$205

Accessories are essential in putting the finishing touches on any room. Topics will include: the use of color in accessories and accent pieces; the importance of using the right artwork, flowers, collectibles, and pillows; and more.

XART-046

Color Workshop for Interior Decorators

Section: W01 (Old Westbury)

Tuesdays: Oct. 20, 27, Nov. 10, 17, 24;

9:30 a.m. – noon.

Fee: \$205

This course will explore many of the aspects of color, such as the psychological and emotional responses to color, and how different cultures and age groups relate to color. Students will learn about the uses of color in various industries, and

the relationship of color to light and texture. This understanding will help designers develop appropriate color schemes for clients.

XART-027

Portfolio Workshop – Color Rendering

Section: W01 (Old Westbury)

Tuesdays: Sept. 15, 22, 29, Oct. 6, 13;

9:30 a.m. – noon.

Fee: \$205

This course presents demonstrations of techniques using color pencils and magic markers. It includes color rendering of interior fabrics and materials, lights and shadows, and matting of finished work.

XDEC-028

Window Fashions

Section: W01 (Old Westbury)

Thursdays: Sept. 17, 24, Oct. 1, 8, 15, 22, 29,

Nov. 5, 12, 19; 9:30 a.m. – noon.

Fee: \$305

Students learn about the proper specification, fabrication, and installation of soft and hard window fashions, with special emphasis on multilayered treatments. Draperies, valences, cornices, swags and jabots, blinds, shutters, shades, and trimmings will be explored and defined. Special-challenge windows, such as bay, angle-top, and Palladian, are included. Students receive instruction on how to balance practical and aesthetic factors in developing the best overall design solution. The use of real-life scenarios clarifies material covered in the course.

XDEC-006

Lighting

Section: W01 (Old Westbury)

Wednesdays: Sept. 16, 23, 30, Oct. 7, 14, 21,

28, Nov. 4, 18, Dec. 2; 9:30 a.m. – noon.

Fee: \$305

Proper lighting is vital to the success of an interior design. Types of artificial light, their location, quantity, color balance, lifespan, output, and other characteristics are topics that will be examined. Students will learn how to develop a lighting plan and specification schedule. A field trip to a lighting showroom may be included to enhance and clarify the material covered in class.

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XCAD-016

AutoCAD for Interior Decorators

Section: W01 (Old Westbury)

Wednesdays: Sept. 16, 23, 30, Oct. 7, 14, 21;

6 - 9 p.m.

Fee: \$390

See course description on page 2.

SUSTAINABLE BUILDING ADVISOR CERTIFICATE PROGRAM

XARC-100

Section: M01 (Manhattan)

Fridays and Saturdays: Sept. 25 - May 8;

Fridays, 9 a.m. - 5 p.m. Saturdays,

9 a.m. - 3 p.m.

Fee: \$2,795

The Center for Metropolitan Sustainability at NYIT is pleased to announce the introduction of the Sustainable Building Advisor course. This is a nine-month specialized training course and certification exam for architects, engineers, project managers, resource conservation specialists and other building industry professionals designed to enable graduates to advise employers or clients on strategies and tools for implementing sustainable building. Please contact 516.686.7490 for more information.



NON-CREDIT COURSES

AMERICAN INSTITUTE OF ARCHITECTS CONTINUING EDUCATION SERIES (AIA-CES) PROFESSIONAL DEVELOPMENT FOR ARCHITECTS

NYIT's extended education program and the School of Architecture and Design collaborate to offer the American Institute of Architects Continuing Education Series (AIA-CES), which covers a variety of topics critical to the contemporary practice of the profession. All offerings are registered and approved by the AIA for professional continuing education credits and are valid for meeting the requirements for AIA membership and state licensure.

SUSTAINABLE BUILDING ADVISOR CERTIFICATE PROGRAM

Please contact, 516.686.7490 for more information.

(NEW!) XARC-087

LEED BD AND C Review Course

Section: W01 (Old Westbury)

Wednesday: Oct. 21; 9:30 a.m. – 5:30 p.m.

Section: M01 (Manhattan)

Saturday: Nov. 7; 9:30 a.m. – 5:30 p.m.

Fee: \$395

During this one-day class, you will be introduced to LEED, review all aspects of LEED BD & C (building design and construction), and get an overview of the test and what you will need to pass it. This class will help you prepare for the new LEED AP Building Design and Construction exam. The information given will focus on all aspects of the reference guide and other relevant information that will be on the test, and the last section will be about the test and how to register, how long it will be, etc.

(NEW!) XARC-083

AutoCAD 3-D in Half a Day

Section: W01 (Old Westbury)

Saturday: Sept. 26: 9:30 a.m. – 1:30 p.m.

Section: M01 (Manhattan)

Wednesday: Oct. 7: 5:30 – 9:30 p.m.

Section: M02 (Manhattan)

Saturday: Nov. 7: 9:30 a.m. – 1:30 p.m.

Fee: \$135

AutoCAD 3-D modeling seems daunting, even to many expert AutoCAD users. However, understanding a very few essential concepts is all one needs to become a proficient wire frame modeler. Students learn to extrude 2-D objects and view them in axonometric format. Then, by manipulating the User Coordinate System, students turn basic drawing tools into 3-D modeling elements. After learning the simple concepts of solid modeling, such as Union and Subtract, the class combines all these concepts to create wire frame models. AutoCAD 2-D drawing proficiency required.

(NEW!) XARC-084

AutoCAD Essentials for Principals and Managers

Section: W01 (Old Westbury)

Saturday: Oct. 3: 9:30 a.m. – 1:30 p.m.

Section: M01 (Manhattan)

Monday: Nov. 16: 5:30 – 9:30 p.m.

Section: M02 (Manhattan)

Saturday: Dec. 5: 9:30 a.m. – 1:30 p.m.

Fee: \$135

Many architects and other managers have difficulty locating, accessing, reviewing, and printing AutoCAD files in the absence of their staff. This course provides AutoCAD novices the knowledge necessary to gain access to AutoCAD files and perform basic managerial tasks such as printing, reviewing, and issuing documents electronically. Basic computer proficiency required.

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(NEW!) XARC-085

Basic AutoCAD Management

Section: W01 (Old Westbury)

Saturday: Nov. 14: 9:30 a.m. – 5:30 p.m.

Section: M01 (Manhattan)

Saturday: Oct. 24: 9:30 a.m. – 5:30 p.m.

Section: M02 (Manhattan)

Friday: Nov. 20: 9:30 a.m. – 5:30 p.m.

Fee: \$205

Architects, engineers and others designers use AutoCAD to create credible drawings in their respective professions. Despite their mastery of the program's drawing tools, however, AutoCAD's complexity leaves many users intimidated or under-informed about organizing and managing files and drawing systems.

By conceiving AutoCAD files as documents made by and for groups, students learn simple, efficient, team-based organizational systems for drawing elements. Such elements that students learn to organize include Layers, Text Styles, Dimensions, Plot Styles, Layouts and External References. By learning how these elements work and relate to each other, students become faster and more efficient, especially when working in teams, both in and out of house. AutoCAD 2-D drawing proficiency required.

XARC-101

Advance Project Sustainability Management (APSM)

Section: M01 (Manhattan)

Friday: Sept. 25; 9 a.m. – 3 p.m.

Section: M02 (Manhattan)

Friday: Oct. 23; 9 a.m. – 3 p.m.

Section: M03 (Manhattan)

Friday: Nov. 13; 9 a.m. – 3 p.m.

Section: M04 (Manhattan)

Friday: Dec. 11; 9 a.m. – 3 p.m.

Fee: \$205

The Advance Project Sustainability Management (APSM) course is geared toward improving the awareness and knowledge of architectural, construction, engineering, general contracting, project managers, executives and owners that are seeking a better understanding of cutting edge technology and methods available for tax and program incentive with their current and

future projects. This course consists of concepts involving green building technology, site development, contract administration and project scheduling. The APSM course will provide participants with networking opportunities.

XARC-080

Remodeling Sustainably

Section: W01 (Old Westbury)

Saturday: Nov. 7; 9 a.m. – 5 p.m.

Section: C01 (Central Islip)

Friday: Dec. 4; 10 a.m. – 6 p.m.

Fee: \$205

LUs: 7

The residential remodeling segment of the construction industry in the United States is worth an estimated \$160 billion. This represents a major portion of the industry and the GDP. More so than in new construction, it is in the remodeling of existing structures—particularly residential buildings, that old meets new and, very often, the old ways of thinking collide head-on with the new “sustainable” methods, materials and practices. That’s why it’s critical that all concerned parties in residential remodeling including: owners, contractors, architects, engineers, realtors, insurers etc. know the do’s and don’ts of residential remodeling. Quite literally, this knowledge can/does save lives. *NOTE: This course satisfies HSW and SD requirements. TOPICS INCLUDE: energy conservation; the building envelope, hot-water heating, lighting, HVAC, renewable energy. Resource conservation; landscaping, water conservation, construction methods and materials. Indoor air quality (IAQ); finishes, HVAC and appliances, IAQ during construction, mold and moisture. * Note: This course satisfies HSW/SD requirements.

XARC-071

The Hazardous Home

Section: W01 (Old Westbury)

Saturday: Dec. 12; 9 a.m. – 5 p.m.

Section: C01 (Central Islip)

Friday: Sept. 11; 10 a.m. – 6 p.m.

Fee: \$205

LUs: 7

Considering that Americans spend 90 percent of their time indoors rather than outdoors, it

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should come as no surprise that the indoor environment is making us sick. Typically, the indoor environment is three times more polluted than the outdoor environment – but can be up to 10 times more polluted, at concentrations of up to 100 times greater. One government study has found that 50 percent of all diseases are directly related to pollutants and toxins in the built environment. The advent of tighter building envelopes has exacerbated the problem by trapping these pollutants and toxins within the interior spaces of a home. Other dangers lurk in the form of respirable fibers, combustion particulates, invisible/deadly gases, asthmatic triggers, electromagnetic hot spots, heavy metals, etc. Knowing what these dangers are, where and why they occur, and how to effectively deal with them is a critical factor in understanding and solving the problem of the hazardous home for you and your family. *NOTE: This course satisfies HSW/SD requirements

XARC-065

Lead-based Paint Awareness

Section: W01 (Old Westbury)

Tuesday: Sept. 29; 5:30 – 7:30 p.m.

Section: M01 (Manhattan)

Tuesday: Nov. 10; 5:30 – 7:30 p.m.

Fee: \$65

LUs: 2

Lead is one of the most common overexposures in industry and is a leading cause of workplace illness. In general populations, lead may be present in hazardous concentrations in food, water, and air. Sources include paint, urban dust, and even folk remedies. It is also a major potential public health risk. Lead poisoning is the leading environmentally induced illness in children. At the greatest risk are children younger than the age of six because they are undergoing rapid neurological and physical development. The seminar will cover the specific nature of the operations that could result in exposure to lead, including information concerning the adverse health effects associated with excessive exposure to lead (with particular attention to the adverse reproductive effects on both males and females). We will additionally cover the purpose, proper selection, fitting, use, and limitations of respirators, the purpose and a description of a medical surveillance program, and the medical removal protection program and finally the

engineering controls and proper work practices when dealing with lead surfaces. *NOTE: This course satisfies HSW/SD requirements

XARC-066

Asbestos Awareness

Section: W01 (Old Westbury)

Tuesday: Sept. 15; 5:30 – 7:30 p.m.

Section: M01 (Manhattan)

Tuesday: Oct. 27; 5:30 – 7:30 p.m.

Fee: \$65

LUs: 2

Asbestos is well recognized as a health hazard and is highly regulated. Primarily, employees in construction and general industry face significant exposure on the job, particularly during the removal of asbestos during renovation or demolition. Asbestos is a respiratory hazard and respiratory/gastro-intestinal carcinogen. Exposure to asbestos occurs when respirable fibers are released into the air and then inhaled. Since exposure occurs when asbestos is inhaled, the best way to prevent exposure is to prevent asbestos fibers from becoming airborne. The seminar will cover asbestos-containing materials as well as how to respond to asbestos emergencies, recognize asbestos hazards, and prevent exposure to workers and building occupants. The class satisfies the AHERA and OSHA Class IV requirements for training employees who have the potential to come into contact with, but do not disturb asbestos containing materials. *NOTE: This course satisfies HSW/SD requirements

XARC-067

Mold Awareness

Section: W01 (Old Westbury)

Tuesday: Oct. 13; 5:30 – 7:30 p.m.

Section: M01 (Manhattan)

Tuesday: Nov. 24; 5:30 – 7:30 p.m.

Fee: \$65

LUs: 2

Poor indoor air quality is one of today's most important health issues. Molds and fungi are found in virtually every environment and can be detected, indoors and outdoors, year round. The number of species of existing molds and fungi is estimated from tens of thousands to 300,000 or more. Molds and fungi produce and release millions of spores small enough to be air-, water-, or insect-borne. They can also produce toxic agents known as mycotoxins. Spores and

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mycotoxins can have negative effects on human health including allergic reactions, asthma and other respiratory problems. The seminar will cover the health effects of mold exposure, people at the greatest risk of health effects, how to recognize mold, preventing mold growth, and general mold cleanup tips. *NOTE: This course satisfies HSW/SD requirements

XARC-068

Building Green World Tour

Section: W01 (Old Westbury)

Saturday: Sept. 12; 9 a.m. - 5 p.m.

Section: C01 (Central Islip)

Friday: Nov. 13; 10 a.m. - 6 p.m.

Fee: \$205

LUs: 7

The green building movement—began in earnest in the early 1990s—has made its impact felt around the world. From New York to Beijing, from Maine to Mexico, the environmental impacts of the built environment can no longer be ignored. The release/control of greenhouse gases, electricity usage, water resources, solar energy, groundwater pollution, eco-disruption, deforestation, landfill use/capacity, indoor air quality/pollution, the urban heat island effect, storm water runoff, light pollution, sustainable materials etc. are all key components/aspects of Building Green. Long ignored in favor of the natural environment, the built environment has, by the 21st century, become the priority of governments, agencies, environmentalists, corporations, and the public at large. An integral part of our lives, the places we live, work and play in control our—and spaceship earth's—destiny more than we realize. *NOTE: This course satisfies HSW/SD requirements.

XARC-061

Sustainability and Design

Section: W01 (Old Westbury)

Friday: Dec. 18; 10 a.m. - 6 p.m.

Section: C01 (Central Islip)

Friday: Oct. 9; 10 a.m. - 6 p.m.

Fee: \$205

LUs: 7

Visionary Buckminster Fuller dreamed of a world where intelligent, ecological design would create an enlightened built environment that would not only be self-sustaining but also economical and practical. His vision of this brave new world—a world which, by its very design precepts, was

sustainable—is now being realized. The pre-eminence of sustainable or "green" design and construction practices, nurtured to maturity by the green building movement and the rise of the Leadership in Energy and Environmental Design (LEED) program, has made this dream a reality. From passive solar designs to structures that use the waste products of society to build with to the recognition/revival of ancient building techniques, the sustainable design revolution is the future, and the future is now. *NOTE: This course satisfies HSW/SD requirements

XARC-058

Insulation in Sustainable Design

Section: W01 (Old Westbury)

Wednesday: Sept. 30; 6 - 8 p.m.

Fee: \$65

LUs: 2

This course involves how to evaluate and select insulation products based upon design considerations and characteristics such as environmental impact, health and safety, thermal, acoustical and fire characteristics, and sustainability. A review of the major insulations types and many misconceptions about insulation will also be discussed. *NOTE: This course satisfies HSW/SD requirements

XARC-057

Indoor Pollutants—Building Healthy

Section: W01 (Old Westbury)

Friday: Sept. 25; 10 a.m. - 6 p.m.

Section: C01 (Central Islip)

Friday: Oct. 2; 10 a.m. - 6 p.m.

Fee: \$205

LUs: 7

Recent building trends—tighter building envelopes and the use of synthetic building products—have contributed significantly to the problem of indoor air pollution. These pollutants come in many forms: biological, gases, metallic, mineral, radiation, and vapor. Unlike the "Building Green" course, which takes an "earth-first" approach, this movement is about putting people's health first by creating and maintaining better environments to live and work in. This seminar examines the topic of building healthy with a viewing of a videotape series concerning the construction of a healthy house and discussion of the various aspects of building healthy, including insulation, foundations, framing, HVAC, and

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electromagnetic fields. *NOTE: This course satisfies HSW/SD requirements.

XARC-052

Stucco/E.I.F.S. Fundamentals

Section W01 (Old Westbury)

Friday: Dec. 11; 10 a.m. – 6 p.m.

Fee: \$205

LUs: 7

This seminar offers an in-depth examination of the variety of systems/components used for Portland Cement Plaster (stucco) and Synthetic Plaster (E.I.F.S.) exterior cladding applications. The main topic of discussion will be the issue of moisture penetration of the building envelope when Stucco and/or E.I.F.S. (Exterior Insulating and Finishing Systems) are used as the exterior finish material/system. The morning session discusses traditional, time-tested stucco while the afternoon session is devoted to E.I.F.S. Though E.I.F.S. has gained widespread use in North America over the past two decades, it has been the subject of much debate, litigation, and controversy. Participants learn about how moisture penetrates the building envelope, detailing for good design, and avoidance of common errors, as well as the role of building codes and barrier vs. drainage systems. *NOTE: This course satisfies HSW requirements.

XARC-051

Light Gauge Metal Framing Systems

Section W01 (Old Westbury)

Saturday: Oct. 3; 9 a.m. – 5 p.m.

Section: C01 (Central Islip)

Friday: Oct. 30; 10 a.m. – 6 p.m.

Fee: \$205

LUs: 7

Light Gauge Metal Framing (LGMF) has become an appealing alternative to traditional "stick-built" (traditional wood framing) for residential construction in the past few years. Made from steel—the most recycled building material (100% recyclable)—it has the highest strength-to-weight ratio of any building material. Inherent characteristics/qualities of LGMF include the fact it is dimensionally stable, lightweight, inorganic (thus resistant to combustion, rot, and termites); has stable prices; provides tighter building envelopes and has a consistent material quality. This one-day seminar takes an in-depth look at the modern use of LGMF in load- and non-load-bearing: floor, wall, and roof systems/assemblies. Topics of discussion

include materials and methods, environmental, economic and technological benefits, and the "LGMF vs. stick-built" debate. Long used in non-load bearing residential and commercial construction, LGMF's market share is increasing significantly due to its versatility. Literature and presentation material from the Steel Framing Alliance (SFA) is included. *NOTE: This course satisfies HSW requirements.

XARC-047

Drywall Construction: Materials, Methods, and Systems

Section W01 (Old Westbury)

Friday: Oct. 23; 10 a.m. – 6 p.m.

Fee: \$205

LUs: 7

The most widely used building materials are gypsum-based panel products: a.k.a. drywall, sheetrock, plasterboard, gypboard, etc. In fact, production and sales levels of gypsum board products are used as a barometer for determining the relative health of the entire construction industry. This daylong seminar provides an in-depth examination of the history, manufacturing process, "green" aspects, advantages, products and accessories, assemblies, fire resistance and sound control, finish levels, and the Gypsum Association's purpose and publications. A video presentation, articles of interest, and seminar booklet are included. *NOTE: This course satisfies HSW requirements.

XARC-048

Construction Cost Estimating: An Overview

Section W01 (Old Westbury)

Friday: Oct. 16; 10 a.m. – 6 p.m.

Section: C01 (Central Islip)

Friday: Nov. 6; 10 a.m. – 6 p.m.

Fee: \$205

LUs: 7

Estimating is often referred to as the "bridge" between the two-dimensional world of design and the three-dimensional world of construction. This daylong seminar provides the participant with a generic understanding of the complex process by which cost is determined for a building project. Both major aspects of construction cost estimating are discussed: general contractor/construction (macro) and sub/trade contractor/construction (micro). The first half of the seminar discusses the macro

NON-CREDIT COURSES

or general contractor aspects of estimating including the profession of estimating; types of estimates and estimators; role/attributes of an estimator; industry hierarchy and the bidding process; the decision to bid: internal and external review of factors, and cost of work: direct and indirect cost factors. The second half of the seminar discusses the micro or sub/trade contractor aspects of estimating including: scope of work, unit and alternate pricing, allowances, long-lead considerations, value engineering, revision and addenda/logging and recording the bid documents, familiarization and referencing techniques, the quantity survey, and cost analysis. *NOTE: This course satisfies HSW requirements.

XARC-049

Building Green

Section W01 (Old Westbury)

Friday: Nov. 20; 10 a.m. - 6 p.m.

Section C01 (Central Islip)

Friday: Sept. 18; 10 a.m. - 6 p.m.

Fee: \$205

LUs: 7

This day-long seminar provides an in-depth examination/discussion of the "green building" phenomenon from a generic perspective. Using the U.S. Green Building Council's (USGBC) LEED (Leadership in Energy and Environmental Design) green building rating/certification program as the basis by which this understanding will be achieved, the seminar highlights the environmental, economic, health and safety, community, and productivity benefits derived from environmentally sustainable/responsible design and construction. Topics of discussion include: Why build green? The need, purpose, and growth of the green building movement. The LEED program's history, purpose, growth, format, and future, The five major aspects/components by which credits are achieved toward LEED certification. *NOTE: This course satisfies HSW/SD requirements.

XARC-050

Blueprint Reading

Section W01 (Old Westbury)

Wednesday: Sept. 23; 6 - 9 p.m.

Section: M01 (Manhattan)

Wednesday: Nov. 18; 6 - 9 p.m.

Fee: \$135

LUs: 3

This course will cover the basic components of reading and understanding design and construction blueprints and plans. Topics will include types of construction documents, why construction documents are needed, layout of construction documents, drawing symbols, orthographic projections, sectional views and details, diagrams, schedules and their use, site plans, specifications, and reproduction of drawings. NOTE: This course satisfies HSW requirements.

XARC-045

Corporate Security: Where Do We Go Now Section W01 (Old Westbury)

Wednesday: Nov. 4; 5:30 - 6:30 p.m.

Fee: \$55

LUs: 1

A frank discussion on the role of security in corporate America: Where do you start to develop a security plan, the conflict between security and building codes, the architect's role in security technology, advances in security hardware, emergency planning and business resumption considerations, the role of senior management in security planning, and physical hardening strategies will be investigated.

XARC-042

Space Planning: Space Utilization Management

Section W01 (Old Westbury):

Wednesdays: Oct. 21, 28, Nov. 4;
5:30 - 8:30 p.m.

Fee: \$235

LUs: 9

Space as simply geometry, is a problem that can be solved in parallel solutions. Historical and contemporary applications of space planning in public and private projects will be addressed. The best project solutions are functional, economical, energy conserving, easily maintained, safe, adaptable, proportionate and very appealing. Safety issues pertaining to areas of egress, stairways and doorways will be reviewed. *Note: This course satisfies HSW requirements.

NON-CREDIT COURSES

XARC-038

Assessing Client Satisfaction

Section: W01 (Old Westbury)

Wednesday: Dec. 9; 6 – 8 p.m.

Fee: \$65

LUs: 2

This course helps architects assess their firm's performance, including how clients view a firm and its staff. The focus is on how to find out a clients' approval rating. Topics include: Should you conduct a client satisfaction survey? What information do you want to find out from the survey? What are clients really saying? What should you be prepared to do with that information? What signals are your staff sending clients and what do those signals say to clients?

XARC-027

Healthy Buildings

Section: W01 (Old Westbury)

Wednesday: Dec. 16; 5:30 – 9:30 p.m.

Section: M01 (Manhattan)

Wednesday: Nov. 11; 5:30 – 9:30 p.m.

Fee: \$135

LUs: 4

Indoor air quality is a topic of increasing concern to environmental health professionals, homeowners and commercial building tenants. Accordingly, you must be able offer your clients solutions for minimizing the hazards of contaminated building air. This course provides you with the background information you need to understand the principles of good indoor air quality. Recognize the types of contaminants that affect indoor air in the building environment and learn how to design the appropriate mitigation and control methods. *Note: This course satisfies HSW/SD requirements.

XARC-028

Universal Design: Accessible and Usable Buildings

Section: W01 (Old Westbury)

Saturday: Oct. 24; 9:30 a.m. – 1:30 p.m.

Fee: \$135

LUs: 4

What are the aspects of architecture, engineering, and design that engender positive emotional responses among, or enable equal access by, users of contemporary spaces? Examples of the scale, proportions, materials, and color that are pleasing, afford natural light and views of

nature, and that make provisions for users with disabilities will all be discussed. *Note: This course satisfies HSW requirements.

XARC-035

Computer Room Design and Redundancy Design

Section: W01 (Old Westbury)

Wednesday: Sept. 16; 5:30 – 9:30 p.m.

Section: M01 (Manhattan)

Wednesday: Dec. 2; 5:30 – 9:30 p.m.

Fee: \$135

LUs: 4

This is a class for architects and design professionals to help them understand some of today's issues facing designers of computer facilities. Topics include types of facilities, power systems, ceiling height considerations, floor loading, HVAC, fire protection, redundancy needs, and more. *Note: This course satisfies HSW requirements.

ARCHITECTURE

ARCHITECTURE REVIEW EXAM PREPARATION

For course information, please see page 19.

XCAD-029

Introduction to Revit

Section: W01 (Old Westbury)

Saturdays: Sept. 26, Oct. 3, 10, 17, 24, 31; 9:30 a.m. – 12:30 p.m.

Section: M01 (Manhattan)

Tuesdays: Sept. 22, 29, Oct. 6, 13, 20, 27; 6 – 9 p.m.

Fee: \$390

As green building goes mainstream, government leaders are asking for tools that set minimum standards for green building. Building information modeling (BIM) is changing the way buildings are designed and constructed. REVIT is the first tool you will reach for in your toolbox. This hands-on course introduces you to the fundamentals of Revit (BIM). Gain an overview of the programs features and see how sustainable design is created with real usable data.

NON-CREDIT COURSES

XCAD-027

AutoCAD Advanced 3D

Section: W01 (Old Westbury)

Fridays: Sept. 25, Oct. 2, 9, 16, 23, 30;
6 – 9 p.m.

Section: M01 (Manhattan)

Saturdays: Oct. 3, 10, 17, 24, Nov. 7, 14;
9:30 a.m. – 12:30 p.m.

Fee: \$390

In this advanced 18-hour course, expand on your knowledge of 3-D commands- modeling projects. This is an intensive hands-on class for experienced AutoCAD users.

ART AND DESIGN

XART-070

Pen and Ink Drawings

Section: W01 (Old Westbury)

Wednesdays: Sept. 16, 23, 30, Oct. 7, 14, 21;
6 – 8 p.m.

Fee: \$95

You will enjoy this class for beginner to advanced artists. You will create Pen and Ink Drawings which will include learning to see as an artist. I will cover drawing marks and shading and each of you will be given individual instruction and collective learning. You will create three drawings to use personally or to submit to book publishers. I will also instruct on basic drawing techniques for both the beginner and advanced artist. Please bring an ebony pencil and sketchbook to the first class. The instructor will give you a list of additional supplies during the first class.

(NEW!) XART-071

Calling all Artists

Section: W01 (Old Westbury)

Tuesdays: Sept. 15, 22, 29, Oct. 6, 13, 20;
6 – 8 p.m.

Fee: \$95

Come and join other artists to work on your own projects (except oil) and have an on-going critique whereby you will learn about the mediums used and helpful hints to use for your own work. There will be teaching involved and critiques given each week as a learning tool for your artistic development in a very relaxed and fun environment. The mediums that can be brought to class are: acrylic paints, colored pencils, ebony pencil, pastels, pen and ink

AUTOCAD

For AutoCAD 2009 courses, see page 2.

COMPUTER ANIMATION

XCMP-079

Introduction to Maya

Section M01 (Manhattan)

Wednesdays: Sept. 16, 23, 30, Oct. 7, 14, 21,
28, Nov. 4; 6 – 9 p.m.

Fee: \$775

Maya is extremely powerful Oscar-winning 3-D animation software. Many films and games have been created with Maya. Harry Potter, Star Wars, Shrek Trilogy, Spiderman Trilogy and Lord of the Rings trilogy are some of the animated films created with Maya. Games such as Madden football, F.E.A.R, Gears of War, SOCOM and US navy seals have been created in Maya. In addition, Maya is great for the architecture, advertising, marketing, design, graphic arts, interior design and visual display fields. Students will learn the basics of the entire Maya user interface in order to create projects and scenes using tools and the menu, transforming objects, opening panels, and using shortcuts.

NON-CREDIT COURSES

COMPUTERS AND THE INTERNET

XMST-001

Introduction to Microsoft Word

Section W01 (Old Westbury)

Mondays: Sept. 21, Oct. 5, 19, 26; 6 - 8:30 p.m.

Section M01 (Manhattan)

Tuesdays: Sept. 22, 29, Oct. 6, 13; 6 - 8:30 p.m.

Fee: \$165

Students will learn to enter, enhance and format text, paragraphs, and documents. This hands-on course teaches students how to use style sheets, mail merge, tables, etc. In addition, students will be shown how to import graphics and other documents. It is recommended that students have a basic knowledge of computers.

XMST-003

Microsoft Access

Section W01 (Old Westbury)

Mondays: Nov. 2, 9, 16, 23; 6 - 8 p.m.

Section M01 (Manhattan)

Fridays: Oct. 2, 9, 16, 23; 6 - 8 p.m.

Fee: \$135

This hands-on course is for users who are new to Microsoft Access or have intermediate skills they wish to polish. This database management system is Windows-based, and therefore easy to use. The class includes basic database concepts, and students perform exercises in designing, creating, and editing a data base. Students will learn how to perform queries, selectively retrieve information, and prepare reports.

XMST-002

Microsoft Excel

Section W01 (Old Westbury)

Tuesdays: Oct. 6, 13, 20, 27; 6 - 8 p.m.

Section M01 (Manhattan)

Thursdays: Oct. 1, 8, 15, 22; 6 - 8 p.m.

Fee: \$135

Students learn how to systematically perform the steps necessary to create Excel spreadsheet workbooks. Topics include organization of data, graphing data, and development of reports. Sorting and searching for specific data and conversion of data into an Access database will also be discussed. This course consists of hands-on projects and lectures.

XMST-004

Microsoft PowerPoint

Section W01 (Old Westbury)

Wednesdays: Oct. 7, 14, 21, 28; 6 - 8 p.m.

Section M01 (Manhattan)

Mondays: Oct. 19, 26, Nov. 2, 9; 6 - 8 p.m.

Fee: \$135

Students learn the fundamentals of using Microsoft PowerPoint for presentations. The course introduces students to creating slides, production of professional handouts, importing graphics, and adding animation using audio and video techniques. Students create presentations from scratch. A basic knowledge of computers is recommended.

DANCE

(NEW!) XATV-043

Rhythm Dancing for Social Occasions

Section W01 (Old Westbury)

Thursdays: Sept. 24, Oct. 1, 8, 15, 22, 29, Nov. 5, 12; 7:30 - 9:15 p.m.

Fee: \$60 per person

Enjoy an evening of fun while learning the basics and beyond in popular rhythm dances. Take pleasure in dancing in style and being noticed at special social occasions. This class will focus on dances that can be enjoyed with a wide variety of contemporary music and time-honored classics. It will cover Swing, Cha Cha, Rumba, and Hustle. The instructor will break down and demonstrate all dance steps and combine the steps to form routines. Techniques in footwork, timing, and lead and follow will be demonstrated. This class is suitable for first time dancers as well as those with previous experience. It is designed to build confidence and enhances social enjoyment.

Enrollment with a partner is recommended; however singles are welcome. Participants should wear comfortable clothes and leather bottom shoes. Sneakers or gum bottom shoes are not recommended.

NON-CREDIT COURSES

XATV-042

Social/Ballroom Dance

Section W01 (Old Westbury)

Fridays: Sept. 25, Oct. 2, 9, 16, 23, 30, Nov. 6, 13; 7:30 - 9:15 p.m.

Fee: \$60 per person

This course will offer an opportunity to gain experience in social (ballroom) dancing. It is an excellent choice for anyone looking to learn striking new dance steps while developing basic skills in Smooth, Latin and Rhythm dances. The instructor will break down and demonstrate all dance steps and combine the steps to form routines. Techniques in footwork, timing and lead and follow will be demonstrated. This class is suitable for first time dancers as well as those with previous experience. It is designed build confidence and enhances social enjoyment.

Enrollment with a partner is recommended; however singles are welcome. Participants should wear comfortable clothes and leather bottom shoes. Sneakers or gum-bottom shoes are not recommended.

Candidate Dances:

Latin: Rumba, Cha Cha, Salsa and Meringue

Smooth: Foxtrot, Waltz and Tango

Rhythm: Swing and Hustle

DRIVER EDUCATION

For course information, please see page 20.

ENGINEERING

Professional Development for Engineers

NYIT's extended education program offers the courses that will meet the continuing education requirements in New York state for professional engineers. NYIT is approved by the American Institute of Architects (AIA) and is therefore able to offer the following programs for mandatory continuing education for professional engineers for license renewal:

SUSTAINABLE BUILDING ADVISOR CERTIFICATE PROGRAM

Please contact, 516.686.7490 for more information.

(NEW!) XARC-087

LEED BD and C Review Course

For course information, see page 20.

(NEW!) XERG-013

New York State Environmental Quality Review Act (SEQRA)

Section: W01 (Old Westbury)

Saturday: Oct. 3; 9 a.m. - 5 p.m.

Fee: \$225

PDH: 7

SEQRA is a set of environmental assessment regulations, whose basic purpose is to incorporate the consideration of environmental factors into the existing planning, review, and decision-making processes of state, regional, and local government agencies at the earliest possible time. To accomplish this goal, SEQRA requires that all agencies and political subdivisions determine whether the project activities or actions they directly undertake, fund, or approve may have a significant impact on the environment and, if it is determined that those activities or actions may have a significant adverse impact, prepare or request an environmental impact statement. This one-day course will provide an intensive overview of the process and how to comply with requirements and regulations. This is a valuable course for attorneys, policy makers, engineers, planners, architects, environmental scientists, and other technical personnel. Instructor: Sarah J. Meyland, M.S., J.D.

(NEW!) XERG-014

Hazardous Materials Management

Section: W01 (Old Westbury)

Saturday: Oct. 17; 9 a.m. - 5 p.m.

Section: M01 (Manhattan)

Saturday: Oct. 24; 9 a.m. - 5 p.m.

Fee: \$225

PDH: 7

A one-day program describing the essentials of hazardous materials management in preparation for the CHMM. Course material will include

NON-CREDIT COURSES

identification and management of hazardous materials; impact upon and protection of human health and the environment; releases of hazardous materials to land, air, water, and groundwater; restoration of the environment from the contamination of hazardous materials; compliance with laws and regulations. This is a valuable course for engineers, environmental scientists, and other technical personnel. Instructor: Albert H. Arnofsky, CHMM

(NEW!) XERG-015

Evaluation of Stormwater Impacts

Section: W01 (Old Westbury)

Saturday: Oct. 17; 9 a.m. - 5 p.m.

Section: M01 (Manhattan)

Saturday: Oct. 24; 9 a.m. - 5 p.m.

Fee: \$225

PDH: 7

There has been an increased number of heavy rainfall storms that have caused impacts to property and surface waters-out the metropolitan area. This one-day course will cover the factors that must go into the evaluation of stormwater impacts, which include, but are not limited to, obtaining the frequency and intensity of rainfall data, peak flows, soil information, map availability, well data, groundwater levels, and water quality. How to obtain this needed information from the various local, state, and federal government agencies will be discussed. This is a valuable course for attorneys, policy makers, environmental scientists, engineers, and other technical personnel. Instructor: Prof. Albert Machlin, M.S., P.E.

(NEW!) XERG-016

8 Hour Hazwopper Refresher Training

Section: W01 (Old Westbury)

Saturday: Oct. 24; 9 a.m. - 5 p.m.

Section: M01 (Manhattan)

Saturday: Oct. 3; 9 a.m. - 5 p.m.

Fee: \$225

PDH: 7

In order to keep abreast of ever-changing regulations and technology, HAZWOPPER trainees are required by federal law to receive annual refresher training. This one-day refresher course is also a forum to critique any incidents which have occurred in the past year and will provide updated information designed to maintain professional competency and a general

review of fundamental safety topics. The course is valuable for policy makers, environmental scientists, engineers, and other technical personnel. Instructor: Kristen M. Panella, ASP

XARC-080

Remodeling Sustainably

Section: W01 (Old Westbury)

Saturday: Nov. 7; 9 a.m. - 5 p.m.

Section: C01 (Central Islip)

Friday: Dec. 4; 10 a.m. - 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 8.

XARC-071

The Hazardous Home

Section: W01 (Old Westbury)

Saturday: Dec. 12; 9 a.m. - 5 p.m.

Section: C01 (Central Islip)

Friday: Sept. 11; 10 a.m. - 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 8.

XARC-065

Lead-Based Paint Awareness

Section: W01 (Old Westbury)

Tuesday: Sept. 29; 5:30 - 7:30 p.m.

Section: M01 (Manhattan)

Tuesday: Nov. 10; 5:30 - 7:30 p.m.

Fee: \$65

PDH: 2

For course description, please see page 9.

XARC-066

Asbestos Awareness

Section: W01 (Old Westbury)

Tuesday: Sept. 15; 5:30 - 7:30 p.m.

Section: M01 (Manhattan)

Tuesday: Oct. 27; 5:30 - 7:30 p.m.

Fee: \$65

PDH: 2

For course description, please see page 9.

XARC-067

Mold Awareness

Section: W01 (Old Westbury)

Tuesday: Oct. 13; 5:30 - 7:30 p.m.

Section: M01 (Manhattan)

Tuesday: Nov. 24; 5:30 - 7:30 p.m.

Fee: \$65

PDH: 2

For course description, please see page 9.

NON-CREDIT COURSES

XARC-068

Building Green World Tour

Section: W01 (Old Westbury)

Saturday: Sept. 12; 9 a.m. – 5 p.m.

Section: C01 (Central Islip)

Friday: Nov. 13; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 10.

XARC-061

Sustainability and Design

Section: W01 (Old Westbury)

Friday: Dec. 18; 10 a.m. – 6 p.m.

Section: C01 (Central Islip)

Friday: Oct. 9; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 10.

XARC-058

Insulation in Sustainable Design

Section: W01 (Old Westbury)

Wednesday: Sept. 30; 6 – 8 p.m.

Fee: \$65

PDH: 2

For course description, please see page 10.

XARC-057

Indoor Pollutants—Building Healthy

Section: W01 (Old Westbury)

Friday: Sept. 25; 10 a.m. – 6 p.m.

Section: C01 (Central Islip)

Friday: Oct. 2; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 10.

XARC-052

Stucco/E.I.F.S. Fundamentals

Section W01 (Old Westbury)

Friday: Dec. 11; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 11.

XARC-051

Light Gauge Metal Framing Systems

Section W01 (Old Westbury)

Saturday: Oct. 3; 9 a.m. – 5 p.m.

Section: C01 (Central Islip)

Friday: Oct. 30; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 11.

XARC-047

Drywall Construction: Materials, Methods, and Systems

Section W01 (Old Westbury)

Friday: Oct. 23; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 11.

XARC-048

Construction Cost Estimating: An Overview

Section W01 (Old Westbury)

Friday: Oct. 16; 10 a.m. – 6 p.m.

Section: C01 (Central Islip)

Friday: Nov. 6; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 11.

XARC-049

Building Green

Section W01 (Old Westbury)

Friday: Nov. 20; 10 a.m. – 6 p.m.

Section C01 (Central Islip)

Friday: Sept. 18; 10 a.m. – 6 p.m.

Fee: \$205

PDH: 7

For course description, please see page 12.

XARC-050

Blueprint Reading

Section W01 (Old Westbury)

Wednesday: Sept. 23; 6 – 9 p.m.

Section: M01 (Manhattan)

Wednesday: Nov. 18; 6 – 9 p.m.

Fee: \$135

PDH: 3

For course description, please see page 12.

NON-CREDIT COURSES

XARC-042

Space Planning: Space Utilization Management

Section W01 (Old Westbury):

Wednesdays: Oct. 21, 28, Nov. 4;

5:30 – 8:30 p.m.

Fee: \$235

PDH: 9

For course description, please see page 12.

XARC-027

Healthy Buildings

Section: W01 (Old Westbury)

Wednesday: Dec. 16; 5:30 – 9:30 p.m.

Section: M01 (Manhattan)

Wednesday: Nov. 11; 5:30 – 9:30 p.m.

Fee: \$135

PDH: 4

For course description, please see page 13.

XARC-028

Universal Design: Accessible and Usable Buildings

Section: W01 (Old Westbury)

Saturday: Oct. 24; 9:30 a.m. – 1:30 p.m.

Fee: \$135

PDH: 4

For course description, please see page 12.

XARC-035

Computer Room Design and Redundancy Design

Section: W01 (Old Westbury)

Wednesday: Sept. 16; 5:30 – 9:30 p.m.

Section: M01 (Manhattan)

Wednesday: Dec. 2; 5:30 – 9:30 p.m.

Fee: \$135

PDH: 4

For course description, please see page 13.

TEST PREPARATION

ARCHITECTURE REVIEW EXAM PREPARATION

(NEW!) XARC-087

ARE Construction Documents

Section: M01 (Manhattan)

Tuesdays: Oct. 6, 20, 27, Nov. 3; 6 – 9 p.m.

Fee: \$395

This course reviews architecture construction documents (CDs) and implementation during construction services, also known as construction contract administration (CA). The class focuses on assisting students in understanding what CDs are as intellectual and physical artifacts, an architect's contractual obligation regarding making them, and their use during construction. Producing and executing CDs during CA involves legal/contractual implications for the architect, the owner, and the constructor—something a licensed, practicing architect needs to understand.

(NEW!) XARC-086

Site Planning Review for the Architectural Registration Exam

Section: M01 (Manhattan)

Wednesdays: Sept. 30, Oct. 7, 14, 21;

6 p.m. – 9 p.m.

Fee: \$395

The site planning review class will cover the ARE 4.0 format. Topics will include review of the site design and site grading vignettes as well as a quick study of multiple-choice problems. Suggested approaches to each problem and time-management strategies will be presented. Passing and failing solutions will be reviewed and analyzed.

CREDIT AND NON-CREDIT COURSES

(NEW!) XARC-087

LEED BD and C Review Course

Section: W01 (Old Westbury)

Wednesday: Oct. 21; 9:30 a.m. – 5:30 p.m.

Section: M01 (Manhattan)

Saturday: Nov. 7; 9:30 a.m. – 5:30 p.m.

Fee: \$395

During this one-day class, you will be introduced to LEED, review all aspects of LEED BD & C (building design and construction), and get an overview of the test and what you will need to pass it. This class will help you prepare for the new LEED AP Building Design and Construction exam. The information given will focus on all aspects of the reference guide and other relevant information that will be on the test, and the last section will be about the test and how to register, how long it will be, etc.

XARC-079

ARE Mechanical and Electrical Systems Review

Section: W01 (Old Westbury)

Wednesdays: Oct. 7, 14, 21, 28; 6 – 9 p.m.

Fee: \$345

As a review, this course covers key words and basic system design. Topics include mechanical, electrical, plumbing, and fire protection systems as well as basic thermal processes, water supply and drainage systems, acoustics, comfort, climate and solar design, mechanical equipment, and energy codes.

ARC-031

ARE General Structures Review

Section: W01 (Old Westbury)

Saturdays: Oct. 3, 10, 17, 24; 9 a.m. – noon.

Fee: \$395

Focus will be on the identification, resolution, and incorporation of structural systems and long-span design on the technical aspects of the design of buildings and the process of construction. Includes the following topics: Basic Structural Analysis and Design, Appropriate Structural Components, Complex Structural Systems, Load Calculations, Code Requirements, Connections, Soils Reports, and Economics.

XARC-016

ARE Lateral Forces Review

Section: W01 (Old Westbury)

Saturday: Nov. 14; 9 a.m. – 1 p.m.

Fee: \$145

Focus will be on the identification and resolution of the effects of lateral forces on the design of buildings and additions/renovations to existing buildings. Includes the following topics: General Concepts-Lateral Loads, Wind Forces, Seismic Forces, Non-Structural Building Components, Costs, Wind Codes, Seismic Codes

DRIVER EDUCATION

XEDU-002

Driver Education

Section: W01 (Old Westbury)

(For fall 2009 dates and times, please call 800.886.NYIT)

Fee: \$615

The acquisition of safe driving skills and defensive driving awareness for private and parochial students who wish to earn the MV 285 "Blue Card," which gives eligibility for a 10 to 15 percent discount on insurance premiums with most companies. This course qualifies those who successfully complete the course to apply for a senior driver's license at age 17.

YOUNG ADULT PROGRAM

(NEW!) ARCH 100

Introduction to Architecture and Design

Section: M01 (Manhattan)

Saturdays: September 26 through December 5, 2009; 9:30 a.m. – 4:00 p.m.

Fee: \$1,835.00

The School of Architecture and Design at New York Institute of Technology will offer motivated high school students and others interested in architectural design an opportunity to discover the many aspects of a design education and the professions of architecture and design in an intensive, studio-based program in New York City. This program is an introduction to design studio, and will help you to learn how to draw and model your ideas. This course will also cover basic portfolio skills. Students who successfully complete this course are eligible for 3 general elective credits at New York Institute of Technology.



REGISTRATION

HOW TO REGISTER FOR FALL COURSES

Fill out your form (page 22 of this book) early to ensure desired class registration. Form should reach us five days prior to the first class.

BY FAX:

516.686.1144 and include credit card information.

BY MAIL:

Mail the form, along with your check or credit card information, to:

New York Institute of Technology
Extended Education/Gerry House, room 104
P.O. Box 8000
Old Westbury, NY 11568-8000

IN PERSON:

OLD WESTBURY: Harry Schure Hall (Student Solutions Center)

Monday - Thursday, 9 a.m. - 7 p.m.; Friday, 9 a.m. - 5 p.m.

MANHATTAN: New Technology Building, 16 W. 61st St. (Student Solutions Center)

Monday - Thursday, 9 a.m. - 7 p.m.; Friday, 9 a.m. - 5 p.m.

CONFIRMATION OF REGISTRATION

After you register, you will receive a confirmation in the mail with all the necessary information you will need, including time, place, room assignment, and any special instructions.

For more information, please call us at 800.886.NYIT or e-mail us at exted@nyit.edu.

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