

Engage. Experience. Excel.

Extended Education Fall 2019

- Look to the Future
- Build Your Skills
- Advance Your Career

Classes begin September 4!

Non-Credit Courses:

Architecture, Engineering, Construction, Decorating

Professional Certificate Programs:

AR VR: Unity, AutoCAD, General Contracting & Construction
Standards, Interior Decorating, Revit

Personal Enrichment:

Career Development, Dance, Driver's Ed, Energy Contracts, Project
Management, Leadership and Writing Development, Marketing,
Real Estate Development

Online Self-Study:

Architectural/Design History

Custom Corporate Training

Excel Personally and Professionally

NYIT's Extended Education provides you with professional training in architecture, AutoCAD, engineering, heavy equipment, interior decorating, project management, REVIT and more. Many of these courses can be used for continuing education credit and/or help you prepare for professional licensure.

We also offer enrichment courses in career networking, driver education, culture and history. Courses are offered at convenient times and affordable rates at locations in the New York metropolitan area.

Discover how our courses and programs can extend your skillset and help you excel professionally and personally. To connect with a counselor, call **516.686.7490** or visit nyit.edu/exted.

Corporate Training

Our courses can provide new skills and knowledge to your organization's workforce. In return, you'll have trained employees who are satisfied and perform better. We offer custom programs in AutoCAD, business, engineering, and interior design, among other areas. Courses may be conducted at your facility or at our campuses in Long Island and New York City.

To find out how we can help with your corporate training needs, call **516.686.7491** or email jknowles@nyit.edu.



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New This Fall!

For Recent Graduates

[How to Transition from Graduate to Employee](#), see **page 19**.

For Professionals

[Basic Real Estate Development](#), see **page 25**

[The Evolution of Telecommunications](#), see **page 20**

[Service Operations Leadership & Effective Writing Techniques](#), see **pages 23 and 25**.

[Energy Contracts & Financing](#), see **page 20**.

[Technical Writing](#), see **page 25**.

[General Contracting and Construction Standards Certificate](#), see **page 9**.

For Interior Decorators

[Revit and Interior Design](#), see **page 9**.

For Architects & Engineers

[Imagineering: The Making of Walt Disney World](#), see **pages 10 and 21**.

[Smart Building and IT Integration](#), see **page 20**

For Managers and Directors

[Service Operations Leadership](#), see **page 23**.

[Basic Project Management](#), see **page 24**

[Social Media Marketing Overview & Paid Social Media Advertising Campaigns](#), see **page 24**.

For Everyone

[Effective Writing Skills](#), see **page 25**.

Campuses

NYIT offers extended education courses on both of its New York campuses: New York City (Manhattan) and Long Island (Old Westbury, N.Y.)

Table of Contents

Excel Personally and Professionally	2
Corporate Training	2
New This Fall!	2
Campuses	2
Noncredit Professional Certificate Programs	4
Certificate: AR/VR: Unity	4
Certificate: AutoCAD 2020	4
Certificate: Revit Architecture 2020	5
Certificate/Advanced Certificate: Interior Decoration	6
Certificate: General Contracting and Construction Standards	9
Noncredit Courses	10
American Institute of Architects Continuing Education Series (AIA-CES) Professional Development for Architects	10
Architecture	19
Career Development	19
Dance	19
Design & Construction	20
Driver Education	20
Energy Contracts	20
Engineering	20
Engineering: Professional Development for Engineers	20
Film	23
Leadership	23
Marketing	24
Writing Development	25
Real Estate	25
Index	26
How to Register for Fall 2019	28

Noncredit Professional Certificate Programs

Certificate: AR/VR: Unity

The AR/VR (augmented/virtual reality) Unity three-module certificate program at NYIT-New York City is offered through the HIVE, NYIT's research lab and hub for AR/VR production. This program leverages the core of game development technology and UX/UI design to provide students with AR/VR (virtual/augmented reality) production skills sought by current and emerging creative and technology organizations. Each 15-hour (three-week) module features bootcamp-style classes that provide skills in AR/VR and the Unity game engine that can be applied to a Unity Certification class. If preferred, students may use their own laptops. All coursework is taught by a Unity certified instructor.

XCMP-081 Introduction to Unity

Section M01 (New York City) Saturdays: September 14, 21, 28; 10 a.m. – 3 p.m.

Validate your knowledge of foundational game design and programming skills against a benchmark of proficiency for game production with Unity. This class will cover many of the topics in the Unity Certification Exam. No matter what your target platform (screen, mobile, web, VR or AR), Unity allows you to build interactive experiences for all of them. Unity developers are in great demand; one of the best ways to distinguish yourself is to become certified as a developer. Software used: Unity, C#, Game Design, Physics. **Fee: \$995**



XCMP-082 Asset Creation and Manipulation/Pipeline Development

Section M01 (New York City) Saturdays: October 5, 19, 26; 10 a.m. – 3 p.m.

This course introduces you to the creation, acquisition, manipulation, and implementation of assets for use in AR/VR immersive experiences. Tools for the creation of characters, organic and hard surface models, 3-D scanning, and sculpting will be introduced. Students learn how to manipulate assets acquired from online resources to work within their development environments. With each new type of asset there is a new set of requirements for how the data is moved from one piece of software to the other to develop a data pipeline. You will be introduced to pipeline development to pass data along the software chain. Software used: Maya, Medium, Google Blocks/Poly, Houdini. **Fee: \$995**

XCMP-083 AR/VR, 360 Storytelling, and UX/UI

Section M01 (New York City) Saturdays: November 9, 16, 23; 10 a.m. – 3 p.m.

This course introduces a range of the latest AR experience development tools and skills, 360 video storytelling development technique, and UX/UI (user experience/user interface) design principles. Learn how to implement user experience, interface, and interaction design with AR and VR. Software used: Vuforia, Google Poly, Blocks, Tour Creator, Snapchat Lens Studio, Wonda VR, AWS. **Fee: \$995**

Certificate: AutoCAD 2020

This certificate is designed to build job mastery for the practicing construction professional, architect, designer, engineer, programmer, or technician. The courses presume no background in AutoCAD; those who enroll are expected to have basic computer skills and knowledge of the basic principles of drafting. To earn the certificate, you must complete all four courses, which may be taken in different semesters. Courses also may be

taken individually for skill enhancement. Courses are conducted on a Windows PC environment.

**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 (Long Island) Tuesdays: September 10, 17, 24, October 1, 15, 22; 6 – 9 p.m.

Section: M01 (New York City) Wednesdays: September 11, 18, 25, October 2, 9, 16

During this hands-on course, use **AutoCAD 2020** and learn about the tools and techniques necessary to complete and edit production drawings using basic 2-D commands.

Fee: \$475

XCAD-024 AutoCAD Level II Part A

Section: W01 (Long Island) Tuesdays: November 5, 12, 19, 26, December 3, 10

Section: M01 (New York City) Wednesdays: October 30, November 6, 13, 20, December 4, 11

In this intermediate course, use **AutoCAD 2020** and expand on basic 2-D commands to refine and edit production drawings. **Fee: \$475**

XCAD-025 AutoCAD Level II Part B

Section: W01 (Long Island) Thursdays: September 12, 19, 26, October 3, 10, 17

Section: M01 (New York City) September 10, 17, 24, October 1, 15, 22

As a continuation of **AutoCAD 2020** Level II Part A, this course expands your knowledge of advanced 2-D commands to increase your customizing ability and productivity. **Fee: \$475**

XCAD-026 AutoCAD III: 3-D Modeling and Rendering

Section: W01 (Long Island) Thursdays: October 24, November 7, 14, 21, December 5, 12; 6 – 9 p.m.

Section: M01 (New York City) Tuesdays: November 5, 12, 19, 26, December 3, 10; 6 – 9 p.m.

Using **AutoCAD 2020**, use 3-D commands to create and use drawing planes. Gain skills to render surface and solid models. **Fee: \$475**

Certificate: Revit Architecture 2020

This certificate is designed to build job mastery for the practicing construction professional, architect, designer, engineer, programmer, or technician. The courses presume no background in Revit; those who enroll are expected to have basic computer skills and knowledge of the basic principles of drafting. To earn the certificate, you must complete all three courses, which may be taken in different semesters. Courses also may be taken individually for skill enhancement.

XCAD-029 Introduction to Revit

Section: W01 (Long Island) Saturdays: September 14, 21, 28, October 5, 19, 26; 9:30 a.m. – 12:30 p.m.

Section: M01 (New York City) September 12, 19, 26, October 3, 10, 17

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 Revit fundamentals, features, and tools, including: documentation history and trends; project templates; user interface and project work flow; and content provided out of the box. **Fee: \$475**

XCAD-032 Intermediate Revit

Section: W01 (Long Island) Saturdays: November 2, 9, 16, 23, December 7, 14; 9:30 a.m. – 12:30 p.m.

Section: M01 (New York City) Thursdays: October 24, November 7, 14, 21, December 5, 12; 6 – 9 p.m.

Explore the BIM aspects of Revit architecture. This hands-on course covers topics such as: families and their components; creating, organizing, and utilizing different views; section elevations and perspectives; and schedules and project phasing tools as well as working from a sketch to create a massing study; dimensioning (temporary and permanent); stairs, ramps and railings; creating rooms and color fill patterns; and detailing and annotation. **Fee: \$475**

**Satisfies HSW requirements*

XCAD-035 Advanced Autodesk

Revit Architecture

Section: W01 (Long Island) Saturdays:
September 14, 21, 28, October 5, 19, 26;
1 – 4 p.m.

Section: M01 (New York City) September 17, 24,
October 1, 15, 22, 29

This course introduces you to more advanced concepts in Autodesk Revit software, the AEC industry's first parametric building modeler. Using Revit Beginner and Intermediate as our foundation, we will explore advanced functions. Topics include working with multiple Revit and AutoCAD files as links; implementing techniques using system families such as walls, floors, ceilings, and roofs; custom family creation and in-place families; advanced scheduling functions; and best practices (performing quality control on your BIM project). *Prerequisite:* Intermediate Revit. **Fee: \$475**

For Additional Revit 2020 courses see **page 5 and 19.**

Certificate/Advanced Certificate: Interior Decoration

Looking for a new career as an interior decorator? Upon completion of eight 10-week courses (five required and three electives), earn a certificate in interior decoration and get started! The required courses are XDSG-001, XDEC-001, XDEC-002, XDEC-005 and XFSH-014. Two 5-week electives or one 10-week elective fulfill one elective requirement. Upon completion of required coursework, you must apply for the certificate. **An advanced certificate in interior decoration** requires successful completion of **12 (10-week)** courses. We recommend the courses be taken in order for best learning comprehension. You may also take individual courses for personal enrichment.

***Equipment is required: estimated cost is \$125 (not included in cost of course).*

XDSG-001 Design...Where It All Begins

Section: W01 (Long Island) Wednesdays:
September 11, 18, 25, October 2, 16, 23, 30,
November 6, 13, 20

Section: W02 (Long Island) Mondays:
September 9, 16, 23, 30, October 7, 21, 28,
November 4, 18, 25

Section: M01 (New York City) September 11, 18,
25, October 2, 16, 23, 30, November 6, 13, 20

This course introduces the fundamentals of interior decoration. Integration of form, color, and texture into a harmonious whole is at the core. Spatial and three-dimensional organization are covered as well. This is a project-oriented, "learn-by-doing" program. **Fee: \$325**

XDEC-001 Basic Drafting for Interior Decorators**

Section: W01 (Long Island) Mondays:
September 9, 16, 23, 30, October 7, 21, 28,
November 4, 18, 25

Section: W02 (Long Island) Wednesdays:
September 11, 18, 25, October 2, 16, 23, 30,
November 6, 13, 20

Section: M01 (New York City) Tuesdays:
September 10, 17, 24, October 1, 15, 22, 29,
November 12, 19, 26

Learn the methods and techniques of basic drafting and detailing for interior space planning, including how to execute scale, room plans, reflective ceiling plans, and elevations. *Prerequisite:* XDSG-001. **Fee: \$325**

XDEC-002 Interior Decorating and Applications I

Section: W01 (Long Island) Wednesdays:
September 11, 18, 25, October 2, 16, 23, 30,
November 6, 13, 20; 9:30 a.m. – noon

Section: W02 (Long Island) Mondays:
September 9, 16, 23, 30, October 7, 21, 28,
November 4, 18, 25; 6:30 – 9 p.m.

Section: M01 (New York City) Thursdays:
September 12, 19, 26, October 3, 10, 17, 24,
November 7, 14, 21; 6:30 – 9 p.m.

In this course, interior decoration skills are developed through a series of projects for simple interior spaces. Emphasis is placed on function, analysis, and space planning. You'll begin to incorporate color, furniture, and finishing, while graphically representing the interior space. *Prerequisites:* XDSG-001, XDEC-001. **Fee: \$325**

XDEC-004 Kitchens and Baths

Section: W01 (Long Island) Mondays:
September 9, 16, 23, 30, October 7, 21, 28,
November 4, 18, 25; 9:30 a.m. – noon

Section: W02 (Long Island) Tuesdays:
September 10, 17, 24, October 1, 15, 22, 29,
November 12, 19, 26; 6:30 – 9 p.m.

In this course, you 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 for kitchens and baths.

Prerequisite: XDEC-001. **Fee: \$325**

XDEC-005 Business Practices

for Interior Decorators

Section: W01 (Long Island) Mondays:
September 9, 16, 23, 30, October 7, 21, 28,
November 4, 18, 25; 9:30 a.m. – noon

Section: W02 (Long Island) Tuesdays:
September 10, 17, 24, October 1, 15, 22, 29,
November 12, 19, 26; 6:30 – 9 p.m.

Section: M01 (New York City) Thursdays:
September 12, 19, 26, October 3, 10, 17, 24,
November 7, 14, 21

Section F01 (online) Tuesdays:
September 10, 17, 24, October 1, 15, 22, 29,
November 12, 19, 26

An introduction to aspects involved in maintaining a successful interior decorating practice. Topics include contracts, legal responsibilities, fees, marketing, client interviewing, and professional organizations.
Fee: \$325

XFSH-014 Fabrics and Materials

Section: W01 (Long Island) Wednesdays:
September 11, 18, 25, October 2, 16, 23, 30,
November 6, 13, 20; 9:30 a.m. – noon

Section: W02 (Long Island) Thursdays:
September 12, 19, 26, October 3, 10, 17, 24,
November 7, 14, 21; 6:30 – 9 p.m.

Section: M01 (New York City) Wednesdays:
September 11, 18, 25, October 2, 16, 23, 30,
November 6, 13, 20; 6:30 – 9 p.m.

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.

Fee: \$325

(NEW) XDEC-047 Carpets & Rugs

Section: M01 (New York City) Thursdays:
October 24, 31, November 7, 14, 21;
6:30 – 9 p.m.

Learn carpet and rug basics and how to customize rugs in order to offer a unique product to your clients. Explore a variety of fibers and carpet and rug construction techniques and learn how to select the best type for the job. Review a variety of installation methods and learn how to work with vendors. **Fee: \$225**

XDEC-038 Feng Shui and Healthy Living for Designers

Section: W01 (Long Island) Fridays: October 25,
November 1, 8, 15, 22; 9:30 a.m. – noon.

By applying the ancient art of Feng Shui and green design basics, you will learn to choose healthy options for you, your clients, and the planet. Develop an awareness in order to select colors, shapes, textures, and accessories to uplift the energy in a space and enhance areas of life that need improving. On the last day of class, you will present a visual project.

Fee: \$225

XDEC-029 Practical Decorating

Section: W01 (Long Island) Wednesdays:
November 6, 13, 20, December 4, 11;
9:30 a.m. – noon

Section F01 (online) Wednesdays: September 11, 18, 25, October 2, 16; 9:30 a.m. – noon
Find out about 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. **Fee: \$225**

XDEC-027 The History of Furniture

Section: W01 (Long Island) Thursdays: September 12, 19, 26, October 3, 10, 17, 24, November 7, 14, 21; 9:30 a.m. – noon

Learn about the history of furniture from ancient Egypt and Greece, Western European countries, and China and Japan. See how the evolution of furniture has influenced today's world of decorating. **Fee: \$325**

**XDEC-009 Resource Sampler Workshop**

Section: W01 (Long Island) September 25, October 2, 9, 16, 23; 10 a.m. – 12:30 p.m.

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. **Fee: \$225**

XDEC-010 Accessories

Section: W01 (Long Island) Fridays: September 13, 20, 27, October 4, 11, 18

Section: M01 (New York City) Mondays: September 9, 16, 23, 30, October 7; 9:30 a.m. – noon

Accessories are essential in putting the finishing touches on any room. Topics include: the use of color in accessories and accent pieces; the importance of using the right artwork, flowers, collectibles, and pillows; and more. **Fee: \$225**

XART-046 Color Workshop for Interior Decorators

Section: W01 (Long Island) Thursdays: June 6, 13, 20, 27, July 11; 10 a.m. – 12:30 p.m.

This course will explore the many aspects of color, such as psychological and emotional responses and different cultures and age groups' relationships to color. Learn about the uses of color in various industries and the relationship of color to light and texture. This understanding will help you develop appropriate color schemes for clients. **Fee: \$225**

XDEC-028 Window Fashions

Section: W01 (Long Island) Mondays: September 9, 16, 23, 30, October 7, 21, 28, November 4, 18, 25; 9:30 a.m. – noon

Learn about proper specification, fabrication, and installation of soft and hard window fashions, with special emphasis on multi-layered treatments. Draperies, valances, cornices, swags and jabots, blinds, shutters, shades, and trimmings will be explored and defined. Special-challenge windows, such as bay, angled-top, and Palladian, are included. 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. **Fee: \$325**

XDEC-006 Lighting

Section: W01 (Long Island) Thursdays: September 12, 19, 26, October 3, 10, 17, 24, November 7, 14, 21; 9:30 a.m. – noon

Section: M01 (New York City) Wednesdays: September 11, 18, 25, October 2, 16, 23, 30, November 6, 13, 20; 6:30 – 9 p.m.

Proper lighting is vital to the success of an interior design. Types of artificial light, its location, quantity, color balance, lifespan, output, and other characteristics are topics we will examine. You will learn how to develop a lighting plan and specification schedule. A field trip to a lighting showroom may be included. **Fee: \$325**

XCAD-023 AutoCAD for Interior Decorators

Section: W02 (Long Island) Thursdays:
September 12, 19, 26, October 3, 10, 17, 24, 31,
November 7, 14; 11:15 a.m. – 1:15pm

Section: M01 (New York City) Wednesdays:
September 11, 18, 25, October 2, 9, 16; 6 – 9 p.m.
See course description on page 6. **Fee: \$475**

XDEC-040 Basic Feng Shui

Section: M01 (New York City) Thursdays:
September 12, 19, 26, October 3, 10, 17, 24, 31,
November 7, 14;
10 a.m. – 12:30 p.m.

Section: M02 (New York City) Thursdays:
September 12, 19, 26, October 3, 10, 17, 24, 31,
November 7, 14; 6:30 – 9 p.m.

In this introduction to the principles of Feng Shui, you will learn how to apply basic corrections and adjustments. Included are: a general history; discussion of schools and methods of practice; and use of color, form, and materials. No prior experience is required.

Fee: \$325

XDEC-033 Space Planning: Residential

Section W01 (Long Island) Tuesdays:
September 10, 17, 24 October 8, 15, 22, 29,
November 5, 12, 19; 6:30 – 9 p.m.

Introduction to the historical development of interior decoration and design. Learn about space planning, including furniture layouts in a residence, as well as analysis of color psychology in a living environment and preparation of a residential space plan project. Prerequisites: XDSG-001 and XDEC-001.

Fee: \$325

XCAD-038 Revit and Interior Design

Section: W01 (Long Island) Tuesdays:
September 10, 17, 24, October 1, 15, 22, 29,
November 5; 12:30 – 3 p.m.

Introduction to Revit for Interior Designers
No previous experience in Revit is required as you receive a well-rounded, basic understanding of Revit tools and techniques for interior design. Class topics include: features and techniques, introduction to Autodesk 360 covering modeling of floor finishes, ceilings with soffits, casework, custom reception desk, restrooms, furniture and light fixtures; plotting project worksheets; and introduction to tags, schedules, and photo-realistic rendering.

Fee: \$445

Certificate: General Contracting and Construction Standards

XCST-060

Section: M01 (New York City) November 16, 23,
December 7; 9 a.m. – 5:30 p.m.

Understand how a general contracting business operates and/or how to hire a general contractor or construction manager for a residential or commercial project. You will be able to put principles and theories into action on any construction-oriented project. This class offers:

1. a comprehensive approach to **understanding the dynamics of the construction business**, including how to: formulate a reputable company; review and prepare a business plan; participate in a bidding process; understand RFI, RFQ and RFP procedures; craft a proposal, purchase order, boilerplate contracts, and custom contracts; and use AIA contracts.
2. an understanding of **contract administration and risk management**, providing you with the ability to reduce legal costs and allow legal counselors to provide better contractual language to defend your company from lawsuits or defaults from clients.
3. knowledge and tools to develop **project scheduling and planning** protocols and procedures to monitor construction labor, materials, and profit margins.

This course is registered and approved for professional continuing education for architects and engineers for license renewal. All sessions must be attended for CE credit. **Fee: \$415**

Noncredit Courses

American Institute of Architects Continuing Education Series (AIA-CES) Professional Development for Architects

NYIT's American Institute of Architects (AIA) Continuing Education Series includes topics critical to the contemporary practice of the profession. All offerings, registered and approved by the AIA for professional continuing education credits, are valid for meeting the requirements for AIA membership and state licensure.

(NEW) XARC-199 Imagineering: The Making of Walt Disney World*

Section: W01 (Long Island) Saturday: September 12; 9 a.m. – 6 p.m.

LUs: 8

When Walt Disney launched "The Florida Project" in 1963, little did he realize his ambitions for a Disneyland East would exceed even his grandiose ambition. The Super Disneyland made manifest in the fall of 1971 would be somewhat different than his original scheme. For example, phase II would open on October 1, 1982, as EPCOT Center—a "Permanent World's Fair," not the prototype "Community of Tomorrow" he envisioned. However, *Walt Disney World* would demonstrate to the world, in its initial construction (phase I), a very early example of sustainable design that, it was hoped, others would follow. Smog generating automobiles would be exiled to the park's outskirts while clean, natural gas-powered trams would ferry the multitudes from the parking lots to the Magic Kingdom. A Swedish-designed refuse system would keep the park clean and a sludge sewage plant would put what would otherwise be waste to other, beneficial uses. A 600-acre experimental farm would test new methods for growing trees and a nature reserve consisting of thousands of pristine acres would preserve Florida's natural heritage. Perhaps it is in this lesser-known way that Walter Elias Disney's legacy is most enduring. **Fee: \$235**

XARC-198 Jacobs II: FLW's Passive Solar House

Section: FX01 (Self-Study Online)

LUs: 2

In this course, we will examine the history of one of the most important commissions of the long, prolific career of America's master architect: Frank Lloyd Wright. We will review the origins of Wright's "Usonian" houses originating in the mid-1930s (starting with the Jacobs I house in Madison, Wis.) through to the commission for the second Jacobs house (a/k/a "Jacobs II") starting in 1942 through to its completion in 1948. This review will include an in-depth discussion of the many design features of the house that have resulted in it being recognized as the first passive solar residential design. Topics of discussion will include site selection, building orientation/shape, use of earthen berms, thermal massing, overhangs (for shading), glazing (for solar penetration), material selection, radiant-heat flooring, air-pressure differentials, convective loops etc. The legacy of the house to both passive and active solar design will be highlighted. **Fee: \$95**

XARC-197 Different or Dysfunctional? Thom Mayne's San Francisco Federal Building

Section: FX01 (Self-Study Online)

LUs: 2

In this course we will examine the controversial San Francisco Federal Building (SFBB) by prominent "machine aesthetic" architect Thomas Mayne of the architectural design firm Morphosis. Conceived as part of the General Service Administration's Design Excellence program, the building was not initially conceived to achieve USGBC (U.S. Green Building Council) LEED (Leadership in Energy and Environmental Design), though energy efficiency was part of the GSA's brief and one of the reasons Mayne's design was selected. Ultimately, the building would receive a silver LEED certification (rather than the platinum rating it sought). In particular, we will focus on the controversial sustainable design features of the building, including the use of natural ventilation in lieu of a standard HVAC system (above the fifth floor), skip-stop elevator service (whereby only every third floor is served by the

main passenger elevators), and locating the employee cafeteria outside of the main building (in an adjoining plaza). We will also examine the result of a GSA report: Re-assessing Green Building Performance, which surveyed 22 federal office buildings nationwide (including the SFFB) and provided data on thermal comfort, lighting/acoustic quality, general workplace satisfaction, and more. We will try to understand why the SFFB scored in the lowest percentile/s in the aforementioned report areas. **Fee: \$95**

XARC-195 FALLINGWATER: The Most Beautiful House in the World

Section: W01 (Long Island) Saturday: September 7; 9 a.m. – 6 p.m.

LUs:8

When Edgar Kaufmann, Jr., enrolled as an apprentice in the Taliesin Fellowship, Frank Lloyd Wright took notice of the young man. Wright knew that he was the son of Edgar Kaufmann, Sr., owner of the Pittsburgh-based Kaufmann's Department Store, with deep pockets and a taste for both art and architecture. The two men knew of each other from a previous correspondence, but with Edgar at Taliesin the stage was set for the two great men to meet and discuss a weekend retreat on a wooded property the Kaufmann's owned in southwest Pennsylvania. The result was "Fallingwater," considered to be the finest example of Wright's talent as an "Organic" architect, whereby the built and natural environment/s enhance one another. Perhaps the ultimate compliment is paid to Fallingwater by the many Japanese tourists who visit the house. They seem to have an intuitive and

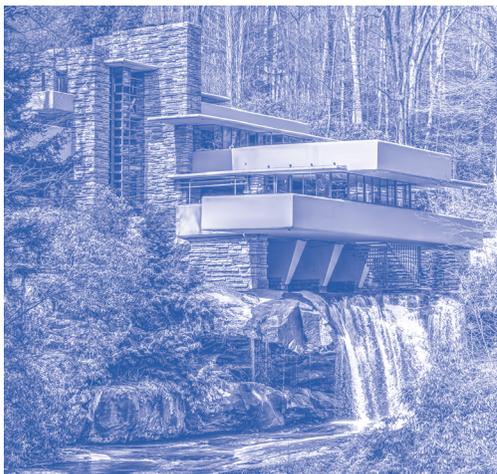
instantaneous understanding of Fallingwater's "Grammar." Considering Wright's lifelong love of Japanese art and culture, it makes a lot of sense. After all, Wright's ideal of "eliminating the insignificant" was, in fact, derived from the okiyo-e prints Wright collected/brokered and is omnipresent at Fallingwater. For the rest of us, Fallingwater's director hit the nail-on-the-head when she inferred that Fallingwater is, basically, a treehouse and everybody has—at one time or another—fantasized about living in a treehouse. **Fee: \$235**

XARC-193 Bridging the Hudson*

Section: FX01 (Self-Study Online)

LUs: 8

This course will examine the creation of one of the world's most important bridges – the George Washington Bridge, spanning the Hudson River between Fort Lee, New Jersey and Washington Heights in upper Manhattan. Our review will include an overview of the design/construction process which allowed the bridge to be built in phases. We will examine in great detail the creation of the four main cables of the bridge including materials, methods, systems, infrastructure requirements, equipment etc. used by the John Roebling's Sons Company to create this all-important structural component of the bridge. As well, we will examine in detail the "Hudson Challenge" which will include both late nineteenth and early twentieth century plans for a Hudson River bridge at locations in lower and/or mid-Manhattan. Special focus will be on the suspension bridge schemes of Gustav Lindenthal, master bridge Designer/Engineer. Tangential to this, we will examine the life and career of Othmar H. Ammann — the designer and Chief Engineer of the George Washington Bridge. This will include his complex relationship with Lindenthal and his early and later career as a prominent bridge engineer in his own right. The successful application of "Deflection Theory," as applied to the GWB's design, will be of considerable interest and importance. **Fee: \$235**



**Satisfies HSW requirements*

XARC-194 Design Outlaws:**Inventing the Future*****Section: FX01 (Self-Study Online)****LUs: 3**

This course will examine the contributions made by individuals known as "Design Outlaws." This will include an understanding of what it means to be defined as a Design Outlaw as it relates to technological invention/innovation. As well, the reaction to environmental problems/concerns in the 1960s and 1970s, resulting in the launching of the "Ecological Design" movement, will also be discussed/reviewed in depth and detail. In particular, we will focus on the contributions of some of the most important Design Outlaws of the 20th Century. Most prominent will be the life and work of R. Buckminster Fuller — futurist, inventor, philosopher and hero of the counterculture generation. We will examine his many contributions to "inventing the future," including his "Dymaxion" car and house and his most successful design — the geodesic dome. Other individual Design Outlaws such as biologist John Todd, J. Baldwin and Stewart Brand will also be of great interest. **Fee: \$135**

XARC-191 Levittown USA:**Birthplace of Suburbia*****Section: W01 (Long Island)** Saturday: October 5; 9 a.m. – 6 p.m.**LUs: 8**

When Bill Levitt was a student at NYU, his favorite quote was: "the masses are asses." Ironic when you consider the fact that, except for Henry Ford (HF), who put America on wheels, nobody in the 20th century did more to change the life of those masses, or "the great multitude" (as HF more politely referred to them), than did William J. Levitt. The suburban lifestyle many Americans enjoy today is due in large part to his vision of making the single-family home affordable to millions of Americans. He was an accidental hero, or villain, depending on your point-of-view, being in the right place at the right time to make manifest the first mass-produced American suburb. Levitt's legacy as the "Father of Suburbia" remains firmly rooted in the soil of a Long Island potato field. **Fee: \$235**

XARC-190 Rockefeller Center***Section: W01 (Long Island)** Saturday: September 21; 9 a.m. – 6 p.m.**LUs: 8**

Conceived in the heyday of the 1920s economic boom but built in the depths of the Great Depression, critics scoffed at the idea of such a large commercial project, the largest ever conceived, saying it was a "profitless pit" for Rockefeller and his family fortune. They may have had a point in 1930, but by 1937, when these words were first put to music, Rockefeller Center had proved the skeptics wrong and indeed, the public and corporate America were rushing (if not fighting) to "get in." Opened in 1932, Radio City Music Hall—with the world's largest theater—had become the "Showplace of the Nation" while the annual lighting ceremony of the communal Christmas tree in front of 30 Rock (a tradition established by the construction workers) remains the focus of the holiday season in the Big Apple, attracting tourists and native New Yorkers alike. **Fee: \$235**

XARC-188 Boeing 747***Section: FX01 (Self-Study Online)****LUs: 12**

This course will examine the history of the development of one of the most produced and influential commercial aircraft of the 20th Century: the 747-100 "Jumbo Jet." We will review the need for a sub-sonic jet with greater comfort, convenience, range, and capacity by the mid-1960s (after the launching of the commercial "Jet Age") with the introduction of the Boeing 707 in 1958 – the first jet airliner offering regular trans-Atlantic service. The role of the 747 as an interim (a/k/a "stop-gap") aircraft to fill the void between the first generation jet airliners (sub-sonic) and second generation (super-sonic) and the series of events that led to the cancellation of the Boeing SST and rise to prominence of the 747 We will discuss the history of the Boeing company itself. from its inception in 1916 through to the present day and the rise of commercial aviation in the inter- and post-war years it will provide historical context for the creation of the first 747 and latter-day variants. Also, we will discuss in depth and detail the infrastructure and technologies used in the development of the 747 as an entirely new aircraft: conceived, designed, and produced in a twenty-nine month time frame. This will include the development from scratch of the Everett, Washington wide-body facility and the production techniques used to manufacture and test wide-body aircraft such as the 747 and

later model Boeing wide-body aircraft. We will examine the influence of the C-5A Galaxy on the design of the 747, in particular as it concerns High-Bypass Turbofan Engine development and the influences of previous civilian and military aircraft produced by Boeing in the design of the 747-100. The design of the airframe, wings, control surfaces, egress, seating arrangements, avionics, communications, etc., will be discussed in depth and detail as will the first integral use of the Carousel IV Inertial Navigation System (INS). The legacy of aerial navigation leading up to INS and of the 747-100 itself to the aviation industry will also be of great interest and importance. **Fee: \$345**

XARC-187 UNISPHERE: Biggest World on Earth*

Section: FX01 (Self-Study Online)

LUs: 4

This course will examine the background and events leading up to the design, construction, and completion of *UNISPHERE* — centerpiece of the 1964/65 New York World's Fair held in Flushing Meadows. To fully understand the edifice, we will review the background of fair/exposition centerpieces starting with the *Eiffel Tower* in 1889 through to the *Trylon and Perisphere* — centerpiece of the 1939/40 New York World's Fair (*UNISPHERE* would occupy the same "Theme Center" location a generation later). Furthermore, we will examine in depth and detail the engineering and architecture involved in designing *UNISPHERE*. In particular, we will review the use of computers without which the structural design of *UNISPHERE* would not have been feasible. The unique materials and erection methods used by the *United States Steel* (USS) Corp. will be the subject of much discussion and interest as well. Also, the rehabilitation of *UNISPHERE* and its permanent place in Flushing Meadows-Corona Park will be highlighted. **Fee: \$135**

XARC-186 Gateway Arch Structure*

Section: FX01 (Self-Study Online)

LUs: 7

This course will examine the background and history of the *Gateway Arch National Park* (a/k/a *Jefferson National Expansion Memorial*) in St. Louis, Missouri. This will include the early origins of the *City of St. Louis*, its development as a commercial, industrial, and cultural center and the role played by its riverfront. We

will also examine the role St. Louis played in the westward expansion of the *United States* and how the riverfront memorial celebrates that proud heritage. We will review the need for riverfront rehabilitation/development by the early 20th Century and how the idea of a memorial park with a thematic centerpiece was used to develop the riverfront into a national park while achieving "urban renewal" simultaneously. We will examine the politics, legislation, delays, design competition, structural engineering, architecture, innovative transportation system, etc., that led to the creation of *Gateway Arch*. We will study the peripheral development of the park, on-going maintenance problems, and plans for the future development of the national park on both sides of the *Mississippi River*. The life and work of the arch's creator; "Modernist Master" architect *Eero Saarinen*, will also be examined in depth and detail. **Fee: \$205**



XARC-185 Lady Liberty's Centennial Restoration: 1984 – 1986*

Section: W01 (Long Island) Saturday:
September 28; 9 a.m. – 6 p.m.

LUs: 8

Most people believe the Statue of Liberty was created for the sole purpose of welcoming immigrants to a new life in America—a belief based on its strategic location in New York Harbor, not its creator's intention. Regardless, the Lady in the Harbor holds a special place in the American experience. After nearly a century of exposure to the elements and thousands of visitors, the monument was in dire need of a top-to-bottom repair/replace/improve restoration. What better way to justify a full restorative effort than the statue's 100th birthday, July 4, 1986? **Fee: \$235**

**Satisfies HSW requirements*

**XARC-184 White House Redux:
The Gut Renovation of the
Executive Mansion***

Section: W01 (Long Island) Saturday:
October 19; 9 a.m. – 6 p.m.

LUs: 8

The White House symbolizes the power and dignity of the “highest office in the land.” Every President has tried to remake it in their own image, some more (and more successfully) than others. The first major renovation came as a result of the burning of the White House during the War of 1812. Other significant renovations would occur in 1902 and 1927. However, it was Harry Truman who initiated and completed the most memorable and important renovation in the structure’s long life in 1949 – 1952. A major inconvenience, it had to be done for posterity and safety’s sake. The result: a masterpiece of restorative design/construction. **Fee: \$235**

XARC-183 Tennessee Valley Authority*

Section: FX01 (Self-Study Online)

LUs: 12

Learn about the history of the Tennessee Valley from early settlements to the creation of “The Valley of the Dams.” Problems, including soil erosion, deforestation, disease, chronic unemployment/poverty, and lack of electricity, will be discussed as part of the need for the Tennessee Valley Authority (TVA). The use of “multipurpose” dams to achieve the TVA’s primary goals, flood control and improvement of the navigation of the river (by creating a nine-foot-deep navigable channel via dredging and locks), will be the main focus. The creation of hydroelectric dams for rural and/or industrial electrification will also be of great importance. Peripheral activities of the TVA (i.e., malaria control, housing, technological innovation/experimentation, etc.) as well as the supplemental creation of coal- and nuclear-powered generating plants will be reviewed. **Fee: \$345**

**XARC-182 Truth Against the
World: The Life and Architecture of
Frank Lloyd Wright***

Section: FX01 (Self-Study Online)

LUs: 8

Learn about the life of Frank Lloyd Wright, “America’s Architect,” starting with his early days in Wisconsin and including the three phases of his career as an accomplished

architect. The influences of his mother and his “Lieber Meister,” architect Louis Sullivan, will be discussed in detail. Other topics include: Wright’s preoccupation with reestablishing architecture as the supreme expression of culture; his “Prairie School” period; his work in and around Oak Park, Ill.; a scandalous affair with a client’s wife and abandonment of his family that led to his “Wilderness” period; and the influence of his third wife and their establishment of the Taliesin Fellowship, which led to the third and most productive period in his architectural career. **Fee: \$235**

**XARC-181 Pennsylvania Turnpike:
Road of Tomorrow***

Section: FX01 (Self-Study Online)

LUs: 4

Examine the background, design, construction, expansion, and improvement of America’s first superhighway, the Pennsylvania Turnpike, including the creation of the initial 160-mile section between Irwin and Carlisle, Pa., along the right-of-way of the abandoned South Pennsylvania Railroad, and the use of roadbed and incomplete mountain tunnels to create a modern, high-speed, all-weather intrastate. We will discuss other roads’ and state highway systems’ impact on the turnpike. Topics will include the twinning of tunnels and bypasses; eliminating/adding interchanges/service plazas; roadway replacement/widening; electronic toll collection; and bridge replacement. Future plans (i.e., I-95 direct connection) and the turnpike’s significance as a model for the Interstate Highway System will be of great relevance. **Fee: \$135**

**XARC-180 Sydney Opera House:
On the Edge of the Possible***

Section: FX01 (Self-Study Online)

LUs: 10

Learn about the Sydney Opera House in New South Wales, Australia. We will examine the venue’s history including early Aboriginal use, its development during the colonial period, its use as a defensive fort and tram depot, and its selection as the location for a National Opera House. We will examine the need for the opera house; the principals involved in its conception; the international competition to find a suitable design; and the winning design by Danish architect Jorn Utzon. We will review the construction “stages” and the resolution to the problem of designing

and constructing the roof shells. We will also consider the fenestration and interior finishes/uses; the addition of an underground parking facility; renovations; and prospective plans for additional facilities. **Fee: \$295**

XARC-179 Rockefeller Center: City Within a City*

Section: FX01 (Self-Study Online)

LUs: 4

Examine the history of Rockefeller Center in New York City, including a review of the site in Colonial times, its ownership by Columbia University (the "Upper Estate"), and its development as a commercial complex. We will examine the initial plan to develop the complex for the Metropolitan Opera and changes to the plan because of the Great Depression. Discussions will include the modernist architecture of the structures and their construction, particularly the work of lead project architect Raymond Hood; its unique technical and aesthetic features; the magnificent art and sculpture, gardens, and public amenities; the role the center plays in the cultural life of the city it serves; the ancillary theaters that no longer exist; maintenance and operations; and the post-WWII westward extension of Rockefeller Center, the "Showplace of the Nation." **Fee: \$135**

XARC-178 The Woolworth Building: At Home in the Clouds*

Section: FX01 (Self-Study Online)

LUs: 10

Learn about the conception, design, and construction of New York City's Woolworth Building, including a review of the history of its site on lower Broadway, the evolution of the skyscraper form in Chicago and New York, and the difficulties involved in creating a solid foundation in the "soup soil" of lower Manhattan with 69 reinforced concrete piers via the use of pneumatic caissons. We will examine the use of portal braces and the unique method of wind bracing employed by structural engineer Gunvald Aus. Furthermore, we will look at the architectural design of master Beaux Arts architect Cass Gilbert by focusing on the ornate lobby arcade, façade, and roof treatments. We will review restoration/repairs, including an in-depth examination of the mechanical, electrical, plumbing, and elevator systems, all of which were state-of-the-

art in 1913 when the building opened. The life and career of the building's namesake—Frank Winfield Woolworth—including his motivations for creating the building, will be of particular interest. Last, we will review plans to make the tower portion of the building into luxury residences. **Fee: \$295**

XARC-177 Pennsylvania Station*

Section: FX01 (Self-Study Online)

LUs: 7

This course examines the background, development, construction, operation, and demolition of New York City's Pennsylvania Station, including why the Pennsylvania Railroad Company wanted to bring its trains into Manhattan to link with the Long Island Railroad. In particular, we will look at the New York Improvement and Tunnel Extension, including tunnels under the Hudson/East River/s and Manhattan Island as well as the New York Connecting Railroad, providing a rail link to New England via the Hell Gate Bridge. The creation of the terminal building and yard facility will be a primary focus—including the commission for a "Monumental Gateway" by McKim, Mead and White in the Beaux Arts style. The exterior and interior design of the facility will be studied as will its decline in the post-WWII era, leading to its demolition in 1963. The effects of the station's demise, including the rise of the historic preservation movement and plans for the expansion of Penn Station to the Farley Post Office Building ("Moynihan Station") will be of great interest. **Fee: \$205**

XARC-176 Audubon House: From Here to Sustainability*

Section: FX01 (Self-Study Online)

LUs: 3

This course will focus on a "model" green building: the New York offices of the *National Audubon Society*, known as the *Audubon House*. We will examine the organization's decision to purchase a century-old building and establish a precedent for constructing environmentally friendly buildings. The concern for the natural environment, specifically minimizing "eco-disruption," will also be discussed. The history of the building as well as its gut renovation and façade restoration will be highlighted as will the *Croxtan Collaborative*, the firm that pioneered methods, materials, and systems for green buildings. We will talk about materials,

**Satisfies HSW requirements*

adhesives, finishes, lighting, mechanical equipment/placement, in-house recycling, daylighting techniques, use of VOCs, recycled content products/materials, energy-efficient/saving devices and technologies, design/construction criteria, and the integrated “team” approach to the architectural and mechanical design. **Fee: \$135**

XARC-175 Light Gauge Metal Framing: The Sustainable Alternative*

Section: FX01 (Self-Study Online)

LUs: 4

This course examines the sustainability, manufacture, pros/cons, workability, and application of Light Gauge Metal Framing (LGMF), also known as Cold-Formed Steel Framing. Our review will include a comparison of traditional wood framing and LGMF for residential structures. We will highlight similarities and differences between dimensional lumber and C-shaped steel members. Design standards and components used in LGMF as a “piece-for-piece” replacement for wood as well as “hybridization” will be discussed. We will focus on sustainable and other benefits such as dimensional stability, mechanical attachment, lightweight seismic performance, price, and fire performance as well as ways to overcome the thermal disadvantages of LGMF. The methods of joining LGMF and systems for framing a residential building will be examined, as will “stick-built” panelized and/or pre-engineered systems and the “prescriptive method” for LGMF. **Fee: \$135**

XARC-174 Frank Lloyd Wright’s Masterpiece: The S.C. Johnson Wax Administration Building*

Section: FX01 (Self-Study Online)

LUs: 5

How was a product as mundane as floor wax the catalyst for one of the greatest buildings of the 20th century by one of the greatest architects of any century: Frank Lloyd Wright? It was the quintessential FLW building, with the “scoundrel genius” at his very best—and worst. What made it all possible was a product called “Glo-Coat,” a self-polishing floor wax introduced by S.C. Johnson and Son in the early 1930s. Its success allowed Hibbard F. Johnson to create the “greatest office building in the world” for his employees. For FLW, the project came at a critical juncture. Nearing 70, it seemed his best

years were behind him. Completed in 1939, the S.C. Johnson Wax Administration Building proved that FLW was still a force to be reckoned with. **Fee: \$165**

XARC-189 Presidents on the Rocks: The Making of Mount Rushmore*

Section: W01 (Long Island) Saturday:

October 26; 9 a.m. – 6 p.m.

LUs: 8

It would be remembered as the greatest work of sculptural engineering the world had ever seen. The carving of Mount Rushmore required engineering knowledge, materials, methods, and systems borrowed from antiquity and the modern mining engineer. Unlike the ancient Egyptians and Greeks, however, the most effective chisel in the toolbox of the modern mountain carver was dynamite. Gutzon Borglum learned how effectively dynamite could be used from the miners who created tunnels through the Alps. The “honeycombing” process would allow the mountain carvers to remove the granite close to the finish surface without disfiguring the granite base. The fact that the Mount Rushmore Memorial took 14 years (1927 – 1941) to complete is misleading since more than half that time was due to weather conditions and/or financing problems. **Fee: \$235**



XARC-173 AUTOBAHN: Das Road*

Section: W01 (Long Island) Saturday:

November 2; 9 a.m. – 6 p.m.

LUs: 8

One of the ironies of Germany’s national road system, the Autobahn, was that the United

States, with more than 20 million motor vehicles by the mid-1920s, would have to wait until the mid-1950s to get what Germany had at the outbreak of WWII. Even more ironic is that, at the time, Germany didn't need such a road network since private car ownership was rare, reserved for the elite. Despite the Nazi Party's contempt for a national road network, by the time they came to power, they recognized its value while the economical "Volkswagen" ("People's Car") solved the problem of empty Autobahns. Recognizing the strategic and commercial advantages of a modern highway system from his wartime experience, President Eisenhower would make manifest (though the Interstate Highway Act of 1956) what Germany had demonstrated was possible: a limited access, high speed, grade-crossing-less motorway extending far and wide. **Fee: \$235**

XARC-166 Boeing 747-100: The Plane That Changed the World*

Section: W01 (Long Island) Saturday:
November 9; 9 a.m. – 6 p.m.

LUs: 8

When the first 747-100 made its formal rollout in 1968, a crowd looked on in astonishment with many wondering how something so large would ever get off the ground. When conceived in the mid-1960s, the 747 was to serve an interim purpose. Referred to by Boeing's Chairman Bill Allen and Pan American Airways' Juan Trippe as a "stop-gap" airplane, it was to fill the time needed to develop the second generation of commercial jet aircraft: the Boeing 2707 SST, a larger, faster and further-flying variable-wing version of the Concorde. Alas, the Boeing SST would never be realized and the Concorde's glory is in the past. However, the 747 was the world's first wide-body (a/k/a "Jumbo") passenger jet airliner, though sub-sonic, and went on to become one of the most produced and beloved aircraft of the last and present century. **Fee: \$235**

XARC-163 Going Up! Going Down! A History of the Otis Elevator Company*

Section: W01 (Long Island) Saturday:
November 16; 9 a.m. – 6 p.m.

LUs: 8

Probably no invention revolutionized the world in the 19th century as did the elevator. It's not that the elevator was something new, the problem was safety because the hoist ropes (often made of hemp rope) would

suddenly snap, sending the elevator hurtling earthward. It was just by coincidence that a "Master Mechanic" for a Yonkers, N.Y. bedding manufacturer named Elisha Graves Otis was assigned the task of creating a lift for heavy bed frames that the world got its first "safety elevator." Now, instead of a death plunge, a simple springloaded brake mechanism would engage "teeth" in the side rails if the tension in the rope was not present. **Fee: \$235**

XARC-158 Penn Station: Fall from Grace*

Section: W01 (Long Island) Saturday:
November 23; 9 a.m. – 6 p.m.

LUs: 8

If there was a bright side to the loss of New York's Penn Station—McKim, Mead and White's neoclassic masterpiece that reinterpreted Rome's Baths of Caracalla in the voluminous main waiting room—it was the prevention of a similar fate to its cross-town rival, Grand Central Terminal. The death sentence served on Penn Station gave life to a burgeoning historic preservation movement that is now codified in law, protecting our architectural treasures from their own "fall from grace." **Fee: \$235**

XARC-157 Woolworth Building: Cathedral in the Clouds*

Section: W01 (Long Island) Saturday:
December 7; 9 a.m. – 6 p.m.

LUs: 8

The creation and opening of the Woolworth Building in 1913 was one of the greatest accomplishments of the pre-WWI "Progressive Era" in the United States. The building not only had to be the tallest, but also the most recognizable and distinguished in its architectural design and features. It was a celebration of capitalism and commerce, a real-life story of a poor farm boy making good and realizing his dream. **Fee: \$235**

XARC-154 Town and Country: A Garden City for America*

Section: W01 (Long Island) Saturday:
December 14; 9 a.m. – 6 p.m.

LUs: 8

In the years before WWI, four "movements" would come together to create Forest Hills Gardens: the "Suburb in the City." The most important would be the Garden City movement made popular in Europe and England by urban theorist Ebenezer Howard. The "satellite city"

**Satisfies HSW requirements*

he proposed was really an old idea made new: Develop on the outskirts of central cities towns that were well planned, accessible, and limited in their growth/population. **Fee: \$235**

XARC-102 Solar PV and Thermal Essentials*

Section: M01 (New York City) Tuesday and Thursday: October 15 & 17; 6 – 9 p.m.

LUs: 6

Learn the essential elements of solar photovoltaic and thermal system design and integration. Solar PV topics include grid-tied and off-grid systems; safety, site assessment and restraints; user demand; sizing and designing; codes; BIPV (Building Integrated PV); and installation, inspection, commissioning, maintaining, and troubleshooting. Solar thermal topics include collection, storage, and distribution for domestic hot water; space heating; commercial applications; flat plate panels and evacuated tube collectors; system sizing and components; heat storage and heat exchange tanks; closed-loop, pressurized glycol antifreeze system; the single- and double-pump drain-back system; and a drain-down, open loop active system. **Fee: \$175**

XARC-111 Expanded Blueprint Reading*

Section: W01 (Long Island)

Tuesday: November 12; 9 a.m. – 5 p.m.

LUs: 7

This course provides more extensive coverage of 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. **Fee: \$205**

XARC-050 Blueprint Reading*

Section: W01 (Long Island)

Tuesday: October 22; 6 – 9 p.m.

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. **Fee: \$135**

XARC-028 Universal Design: Accessible & Usable Buildings*

Section: W01 (Long Island)

Saturday: October 26; 9:30 a.m. – 1:30 p.m.

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. **Fee: \$135**

XARC-130 Gateway Arch: Monument to a Dream*

Section: W01 (Long Island) Saturday: October 12; 9 a.m. – 6 p.m.

LUs: 8

Paris has the Eiffel Tower, Sydney has an Opera House, and New York has the gracious lady in the harbor: the Statue of Liberty. But perhaps nowhere else has a structure been more transformative for a city than in St. Louis, where a 630-foot-tall stainless-steel architectural sculpture stands in the Midwestern sun, beckoning visitors to come and celebrate the history of the city, its historic riverfront, and the expansion of the nation to the Pacific coast in the 19th century. **Fee: \$235**

XARC-170 Maginot Line: Triumph of Military Engineering*

Section: W01 (Long Island) Saturday:

December 21; 9 a.m. – 6 p.m.

LUs: 8

Fear of a resurgent Germany motivated the creation of France's magnificent Maginot Line, a wonder of the world in the 1930s. Even during the "Sitzkrieg" period (a/k/a "Phony War"), the Maginot Line, with its massive reinforced concrete walls/roofs, armored turrets, formidable weaponry, and invulnerable subterranean chambers was "the place to be" if a German attack came. Its failure came from lesser fortifications that were unable to stop the German Blitzkrieg in the Northeast. The older, larger fortifications, even when outflanked

and attacked from both front and rear, were formidable—so much so that not one fell to the attacking enemy. The flaw lay in watering down fortifications that sought to extend the line to the North Sea and, more important, the failure of French generals to recognize the unfortified Ardennes as a gaping hole. Despite its shortcomings, the Maginot Line remains a triumph of military engineering. **Fee: \$235**

Architecture

XCAD-037 Utilizing AutoCAD and Autodesk Inventor 2020

Section: W01 (Long Island) Tuesdays: September 10, 17, 24, October 1, 15, 22, 29, November 5; 6 – 8:30 p.m.

If you want to learn AutoCAD and Inventor 2020 and are completely new to CAD, this introduction course explores the strengths of each and shows how they can be used in design, separately and in combination. Topics include: basic 2-D framing; light 3-D modeling; identifying work planes and subtle manipulation defining surfaces; manipulation of World Coordinate and User Coordinate Systems; basic creating and dimensioning of 2-D multiview drawings using AutoCAD; creating 3-D parametric models and 2-D multiview drawings using Autodesk's Inventor; defining work sheets for printing; and how to reuse design information between AutoCAD and Autodesk Inventor. **Fee: \$445**

XCAD-034 Revit MEP Fundamentals

Section: M01 (New York City) Wednesdays: September 18, 25, October 2, 9, 16, 23, 30, November 6, 13, 20; 6 – 9 p.m.

To take full advantage of Building Information Modeling (BIM), this course teaches the concepts and principles of creating 3-D parametric models of MEP systems. It introduces students to Autodesk Revit MEP's software interface and the basic HVAC, electrical, and piping/plumbing components that make it a powerful, flexible modeling tool. You'll get the tools necessary to create and document a complete parametric model. We will take you through the basics of a real-world project, from linking an architectural model to a MEP template to using Revit MEP tools to design HVAC, electrical, plumbing, and piping systems to create complete construction documents in 2-D or 3-D.

Fee: \$655

For Additional Revit 2020 courses see **page 5**.

Career Development

(NEW) XCRS-041 How to Transition from Graduate to Employee

Section: W01 (Long Island) Thursdays: September 19, 26, October 3, 10, 17; 6 – 9 p.m.

Section: M01 (New York City) Mondays: September 30, October 7, 21, 28, November 4; 2 – 5 p.m.

Specially designed for recent graduates, this course will help you find and successfully manage your new career. Through a series of five classes, you will learn to: conduct a sound, organized job search campaign; use social media, apps, and networking techniques to your advantage; create a resume and letters that get results; successfully navigate job interviews and practice your interviewing skills; seamlessly assimilate into your new work environment and effectively handle lifestyle changes; build a sound work ethic; and cultivate relationships with potential mentors and co-workers. All those who successfully complete this course will receive a free resume critique. **Fee: \$495**

Dance

XATV-044 Ballroom Dancing for Social Occasions

Section W01 (Long Island) Thursdays: September 5, 12, 19, 26, October 3, 10, 17, 24; 7 – 8:45 p.m.

American Style Tango is one of the most time honored ballroom dances. This workshop is intended for those who desire to learn to dance tango as well as those who want to become more proficient in this dance. Best practice syllabus-based techniques will be utilized as a baseline. The workshop will build and reinforce the basics and then move into higher-level figures and associated techniques as it progresses.

Emphasis will be placed on timing, feet positions, room alignment, amounts of turn, dance positions and footwork. These elements and more will be emphasized in the efforts to improve the ability to lead and follow in this dance. The instructor will demonstrate all dance figures and combine them to form amalgamated routines. Join

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us at NYIT and sharpen your dance skills in American Style Tango.

Enrollment with a partner is recommended, however, singles are welcome. Participants should wear comfortable clothes and dance shoes or leather bottom shoes. Sneakers or rubber bottom shoes are not recommended. Instructor: Richard Fiore, Dual Licentiate/Trainer, USISTD. **Fee: \$95 per person**

Design & Construction

(NEW) XCST-061 Smart Building and IT Integration

Section: W01 (Long Island) Thursdays: September 19, 26, October 3, 10, 17, 24: 6 – 8 p.m.

Section: M01 (New York City) Tuesdays: October 29, November 5, 12, 19, 26, December 3: 6 – 8 p.m.

The on-demand virtual world we live in creates new challenges when designing the physical spaces we occupy. The public, commercial, and residential environments all demand a connectivity and constant access to information systems that is no longer a luxury but a necessary utility that has quickly overtaken its predecessors as seemingly to the general population most important. This course will provide design and construction professionals with foundational principals of integrating technology such as Networks, Firewalls and Cyber Security, Virtualized environments, Wifi, Physical Security: integrated Video and Access Control, VoIP (Voice over IP) communications and IP Audio, into the initial spacial design program. It will discuss bringing to light the use of the space from a technology device perspective during initial design phases rather than as an afterthought or as a large scope gap during the construction phases. This course brings another layer of service offering to your organization as a clients trusted partner in another layer of thoughtful and responsible design. **Fee: \$395**

Driver Education

XEDU-002 Driver Education

Section: W01 (Long Island)
(For dates and times, call 516.686.7490)

Upon successful completion of this course, you will earn an MV 285 "Blue Card," which gives eligibility for a 10 to 15 percent discount on

insurance premiums with most companies and allows you to apply for a senior driver's license at age 17. **Fee: \$645**

Energy Contracts

(NEW) XEGR-027 Energy Contracts & Financing

Section: M01 (New York City) Wednesdays: September 11, 18, 25, October 2, 16, 23, 30, November 6

In this course, students will learn the critical elements of successful energy contracts. Power purchase agreements, leasing structures, and energy as a service contract will be analyzed, as will multiple financial structures. Upon completion of the course work, students will have command of energy contracts and financing language as well as the components required for a successful project. **Fee: \$595**

Engineering

(NEW) XTCH-019 The Evolution of Telecommunications

Section: W01 (Long Island) Friday, September 20: 1 – 3 p.m.

Section: W02 (Long Island) Thursday, October 24: 6 – 8 p.m.

People have long sent information over distances. For instance, smoke signals enabled people in one place to provide basic information (usually, "come here quickly" or "run away quickly") more or less instantaneously to people nearby. During the past 150 years or so the ability to do this has exploded in distance and sophistication. This two-hour over will put advances in context. Topics will include telegraphy, undersea cable communications, radio, television, cable television, wireless services, the Internet and WiFi and 5G. Important related technologies, such as the Internet of Things, artificial intelligence and big data, also will be discussed. **Fee: \$75**

Engineering: Professional Development for Engineers

NYIT's extended education program offers courses that meet the continuing education requirements in New York State for professional engineers. NYIT is

approved by the New York State Education Department to sponsor mandatory continuing education for professional engineers seeking license renewal.

**(NEW) XARC-199 Imagineering:
The Making of Walt Disney World**

Section: W01 (Long Island) Saturday:
September 14; 9 a.m. – 6 p.m.
PDH: 8

For course description, see **page 10. Fee: \$235**

**XARC-198 Jacobs II: FLW's
Passive Solar House**

Section: FX01 (Self-Study Online)
PDH: 2

For course description, see **page 10. Fee: \$95**

**XARC-197 Different or Dysfunctional?
Thom Mayne's San Francisco
Federal Building**

Section: FX01 (Self-Study Online)
PDH: 2

For course description, see **page 10. Fee: \$95**

**XARC-195 FALLINGWATER:
The Most Beautiful House in the World**

Section W01 (Long Island) Saturday:
September 7; 9 a.m. – 6 p.m.
PDH: 8

For course description, see **page 11. Fee: \$235**

XARC-193 Bridging the Hudson*

Section: FX01 (Self-Study Online)
PDH: 8

For course description, see **page 11. Fee: \$235**

**XARC-194 Design Outlaws:
Inventing the Future***

Section: FX01 (Self-Study Online) **PDH: 3**
For course description, see **page 12. Fee: \$135**

**XARC-191 Levittown USA:
Birthplace of Suburbia***

Section: W01 (Long Island) Saturday:
October 5; 9 a.m. – 6 p.m.
PDH: 8

For course description, see **page 12. Fee: \$235**

XARC-190 Rockefeller Center*

Section: W01 (Long Island) Saturday:

September 21; 9 a.m. – 6 p.m.

PDH: 8

For course description, see **page 12. Fee: \$235**

XARC-188 Boeing 747*

Section: FX01 (Self-Study Online)
PDH: 12

For course description, see **page 12. Fee: \$345**

**XARC-187 UNISPHERE: Biggest World
on Earth***

Section: FX01 (Self-Study Online)
PDH: 4

For course description, see **page 13. Fee: \$135**

XARC-186 Gateway Arch Structure*

Section: FX01 (Self-Study Online)
PDH: 7

For course description, see **page 13. Fee: \$205**

**XARC-185 Lady Liberty's Centennial
Restoration: 1984 – 1986***

Section: W01 (Long Island) Saturday:
September 28; 9 a.m. – 6 p.m.
PDH: 8

For course description, see **page 13. Fee: \$235**

**XARC-184 White House Redux:
The Gut Renovation of the
Executive Mansion***

Section: W01 (Long Island) Saturday:
October 19; 9 a.m. – 6 p.m.
PDH: 8

For course description, see **page 14. Fee: \$235**

XARC-183 Tennessee Valley Authority*

Section: FX01 (Self-Study Online)
PDH: 12

For course description, see **page 14. Fee: \$345**

**XARC-182 Truth Against the
World: The Life and Architecture of
Frank Lloyd Wright***

Section: FX01 (Self-Study Online)
PDH: 8

For course description, see **page 14. Fee: \$235**

**Satisfies HSW requirements*

**XARC-181 Pennsylvania Turnpike:
Road of Tomorrow*****Section: FX01 (Self-Study Online)****PDH: 4**For course description, see **page 14. Fee: \$135****XARC-180 Sydney Opera House:
On the Edge of the Possible*****Section: FX01 (Self-Study Online)****PDH: 10**For course description, see **page 14. Fee: \$295****XARC-179 Rockefeller Center:
City Within a City****Section: FX01 (Self-Study Online)****PDH: 4**For course description, see **page 15. Fee: \$135****XARC-178 The Woolworth Building:
At Home in the Clouds****Section: FX01 (Self-Study Online)****PDH: 10**For course description, see **page 15. Fee: \$295****XARC-177 Pennsylvania Station****Section: FX01 (Self-Study Online)****PDH: 7**For course description, see **page 15. Fee: \$205****XARC-189 Presidents on the Rocks:
The Making of Mount Rushmore****Section: W01 (Long Island) Saturday:**

October 26; 9 a.m. – 6 p.m.

PDH: 8For course description, see **page 16. Fee: \$235****XARC-176 Audubon House:
From Here to Sustainability****Section: FX01 (Self-Study Online)****PDH: 3**For course description, see **page 15. Fee: \$135****XARC-175 Light Gauge Metal Framing:
The Sustainable Alternative****Section: FX01 (Self-Study Online)****PDH: 4**For course description, see **page 16. Fee: \$135****XARC-174 Frank Lloyd Wright's
Masterpiece: The S.C. Johnson Wax
Administration Building****Section: FX1 (Self-Study Online)****PDH: 5**For course description, see **page 16. Fee: \$165****XARC-173 AUTOBAHN: Das Road****Section: W01 (Long Island) Saturday:**

November 2; 9 a.m. – 6 p.m.

PDH: 8For course description, see **page 16. Fee: \$235****XARC-166 Boeing 747-100:
The Plane That Changed the World*****Section: W01 (Long Island) Saturday:**

November 9; 9 a.m. – 6 p.m.

PDH: 8For course description, see **page 17. Fee: \$235****XARC-163 Going Up! Going Down! A
History of the Otis Elevator Company****Section: W01 (Long Island) Saturday:**

November 16; 9 a.m. – 6 p.m.

PDH: 8For course description, please see **page 17.****Fee: \$235****XARC-158 Penn Station:
Fall from Grace****Section: M01 (New York City) Saturday:**

November 23; 9 a.m. – 6 p.m.

PDH: 8For course description, please see **page 17.****Fee: \$235****XARC-157 Woolworth Building:
Cathedral in the Clouds****Section: W01 (Long Island) Saturday:**

December 7; 9 a.m. – 6 p.m.

PDH: 8For course description, please see **page 15.****Fee: \$235****XARC-154 Town and Country:
A Garden City for America****Section: W01 (Long Island) Saturday:**

December 14; 9 a.m. – 6 p.m.

PDH: 8For course description, please see **page 17.****Fee: \$235**

[XARC-102 Solar PV and Thermal Essentials](#)

Section: M01 (New York City) Tuesday and Thursday: October 15 and 17; 6 – 9 p.m.

PDH: 6

For course description, please see **page 18**.

Fee: \$175

[XARC-111 Expanded Blueprint Reading*](#)

Section: W01 (Long Island) Tuesday: November 12; 9 a.m. – 5 p.m.

PDH: 7

For course description, please see **page 18**.

Fee: \$205

[XARC-050 Blueprint Reading*](#)

Section: W01 (Long Island) Tuesday: October 22; 6 – 9 p.m.

PDH: 3

For course description, please see **page 18**.

Fee: \$135

[XARC-028 Universal Design: Accessible & Usable Buildings*](#)

Section: W01 (Long Island) Saturday: October 26; 9:30 a.m. – 1:30 p.m.

PDH: 4

For course description, please see **page 18**.

Fee: \$135

[XARC-130 Gateway Arch: Monument to a Dream*](#)

Section: W01 (Long Island) Saturday: October 12; 9 a.m. – 6 p.m.

PDH: 8

For course description, please see **page 18**.

Fee: \$235

[XARC-170 Maginot Line: Triumph of Military Engineering](#)

Section: W01 (Long Island) Saturday: December 21; 9 a.m. – 6 p.m.

PDH: 8

For course description, see **page 18**. **Fee: \$235**

Film

[\(NEW\)XFLM-014 The Fine Art Of Acting on Film Part 2](#)

Section: W01 (NYIT-Long Island) September 9,

16, 23, 30, October 7, 21, 28; 1-3:30pm

Bette Davis said: "Without wonder and insight, acting is just a business. With it, it becomes creation." We see this especially when actors and actresses, in tune with their directors, become poets of the screen. In this multi-part series, actor-director and filmmaker Peter Josyph will examine what makes a great performance with examples selected from an international list that includes Marcello Mastroianni, Mathieu Amalric, Jeffrey Wright, Jimmy Stewart, Alan Bates, Burt Lancaster, and Isabelle Huppert. **Fee: \$165**

[\(NEW\) XFLM-015 The Fine Art of Acting on Film Part 3](#)

Section: W01 (Long Island) November 4, 11, 18, 25, December 2, 9 16; 1-3:30 pm

Marlon Brando said: "An actor is at most a poet and at least an entertainer." In this multi-part series, actor-director and filmmaker Peter Josyph will examine some of the great performances in cinema that are both poetry and entertainment, with examples including Marilyn Monroe, Clark Gable, Jack Lemmon, Tom Courtenay, Michael Caine, Sam Rockwell, and Peter Sellers. **Fee: \$165**

Leadership

[\(NEW\) XBUS-056 Service Operations Leadership](#)

Section: W01 (Long Island) Thursdays: September 19, 26, October 3; 6 – 8 p.m.

Section: W02 (Long Island) Mondays: October 21, 28, November 4; 6 – 8 p.m.

This course will teach real-world skills needed to be successful at any level, from a new-hire to a senior level executive, in any service organization. It is geared towards both experienced professionals as well as aspiring young professionals and recent graduates who are looking to succeed and grow. Through the detailed understanding and combined synergy of both of these mindsets, you can achieve individual and organizational success. The skills taught will help you bring your operations and your organization to a higher level. Topics covered include recruitment, customer service, technology, sales, goal creation and measurement, operational improvement, strategy and career growth through job progression. **Fee: \$375**

**Satisfies HSW requirements*

(NEW) XBUS-057 Basic Project Management

Section: M01 (New York City) Tuesdays: November 5, 12, 19, 26, December 3, 10; 6 – 9 p.m.

This class will provide attendees with an introduction to the realm of the project implementation, team building, research methodologies to practice and explore innovative approaches and marketing of a unique product or service with corporate objectives in industries such as advertising, marketing, fashion, publishing, transportation, web design, software coding, manufacturing, automation technology and information technology. It will provide the baseline for understanding of project implementation and structuring and explore the constraints for every project and establishing a scope of work (SOW). Interact with decision makers on scope creep and change orders policies. The class will provide an overview of preparing a work breakdown structure (WBS) from the scope of work, the assigned budget and allocated time. Attendees will understand risk factors and labor cost for any given project. Students will learn an understandable approach to scheduling with a timeline, bar chart, ganett chart, CPM and or PERM and deliverables (milestones) of any project. The goal for the attendees will be to be able to approach any project as being on time, under cost and to deliver superior quality on a service or product. Attendees will be given one (1 st) option of preparing a brief project management report on their business activities to improve product or service deliverable and profitability. The second (2nd) the BPM attendee(s) can elect to take a final quiz. **Fee: \$395**

Marketing

(NEW) XMKT-023 Social Media Marketing Overview

Section: W01 (Long Island) Thursdays: September 12, 19, 26, October 3, 10, 17; 6 – 9 p.m.

Section: M01 (New York City) Mondays: September 16, 23, 30, October 7, 21, 28; 6 – 9 p.m.

Social Media is a major component in company marketing strategies. Whatever size your company, integrated social media strategies are a must. Learn the best practices and skills needed to connect your business goals with a proper social media strategy: choosing a platform, creating and managing media content, social listening and developing a media policy. **Fee: \$495**

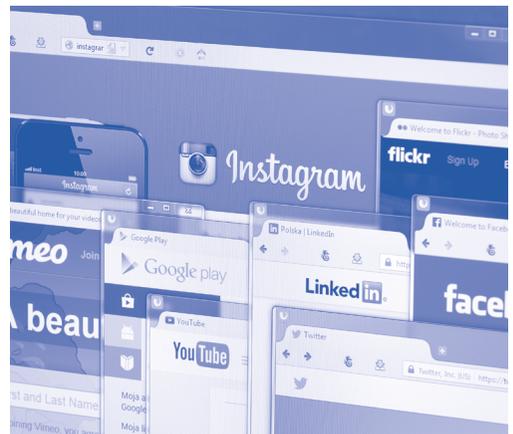
(NEW) XMKT-024 Paid Social Media Advertising Campaigns

Section: W01 (Long Island) Thursdays: October 24, 31, November 7, 14, 21, December 5; 6 – 9 p.m.

Section: M01 (New York City) Mondays: November 4, 11, 18, 25, December 2, 9; 6 – 9 p.m.

Learn how to create and implement ads that will generate awareness and revenue from your social media efforts. Investigate the multiple types of advertising options available across devices and about and how to use the ad management platforms on Facebook, Twitter, LinkedIn, and Instagram. Learn to target, measure and improve your ongoing advertising activities on these social media platforms.

*Recommended that XMKT-022 be taken previously to this course. **Fee: \$495**



Writing Development

[\(NEW\) XWRT-045 Effective Writing Skills](#)

Section: W01 (Long Island) Thursdays:
September 12, 19, 26, October 3, 10;
6:30 – 8:30 p.m.

Section: W02 (Long Island) Wednesdays:
October 23, 30, November 6, 13, 20;
6:30 – 8:30 p.m.

Developing effective writing skills can be personally and professionally enriching. The ability to express our thoughts in writing is one of our most important life skills; this course equips participants, regardless of educational or professional level, with the skills, tools, and confidence needed to handle any writing endeavor effectively. Participants have the opportunity to develop and refine writing skills by completing several practical, diverse, and fun writing assignments encompassing business, personal, instructional, creative, and general writing formats. **Fee: \$130**

[\(NEW\) XWRT-046 Technical Writing 1](#)

Section: F01 (Online) September 14, 21, 28,
October 5, 12

Learn to produce technical, informational, and persuasive documents and make your resume more appealing to employers. Technical documents are precise, concise, organized, and based on complex information. This course will cover the importance of target audience and how that audience impacts author decisions. You will gain experience with all parts of document creation, including layout, vocabulary, sentence and paragraph structure, visuals, etc. You will learn to prioritize the processes involved in creating technical documents and how to create effective, efficient, and polished materials. You will gain an understanding of several types of documents, including reports, instruction sets, and product documentation. You will design outlines of technical documents and design (using an awareness of techniques such as definition, classification, and audience analysis) an effective format and layout for a technical publication. **Fee: \$495**

Real Estate

[\(NEW\) XRES-069 Basic Real Estate Development](#)

Section: M01 (New York City) Tuesdays:
September 17, 24, October 1, 15, 22, 29;
6 – 9 p.m.

This course delves into the phases of the real estate development process including conceptualization, site acquisition, planning and design, construction, financing, leasing and marketing. Leadership, management and control of the development team are featured issues. Areas of focus will be on the feasibility and marketing of a project such as commercial, industrial and residential; sources of investment capital and debt financing. Class will provide a baseline approach for anybody thinking about the role of being a Real Estate Developer. Attendee(s) will have the option of doing a basic real estate development report or taking a final quiz. **Fee: \$495**

Index

A		Gateway Arch Structure	13, 21
Accessories	8	Going Up! Going Down! A History of the Otis Elevator Company	17, 22
Advanced Autodesk Revit Architecture	6	H	
American Institute of Architects		How to Transition from Graduate to Employee	19
Continuing Education Series (AIA-CES)		I	
Professional Development for Architects	10	Imagineering: The Making of Walt Disney World	10, 21
AR/VR, 360 Storytelling, and UX/UI	4	Interior Decorating and Applications I	6
Asset Creation and Manipulation/ Pipeline Development	4	Intermediate Revit	5
Audubon House: From Here to Sustainability	15, 22	Introduction to Revit	5
AUTOBAHN: Das Road	16, 22	Introduction to Unity	4
AutoCAD for Interior Decorators	9	J	
AutoCAD III: 3-D Modeling and Rendering	5	Jacobs II: FLW's Passive Solar House	10, 21
AutoCAD Level I	5	K	
AutoCAD Level II Part A	5	Kitchens and Baths	7
AutoCAD Level II Part B	5	L	
B		Lady Liberty's Centennial Restoration: 1984 – 1986	13, 21
Ballroom Dancing for Social Occasions	19	Levittown USA: Birthplace of Suburbia	12, 21
Basic Drafting for Interior Decorators	6	Light Gauge Metal Framing: The Sustainable Alternative	16, 22
Basic Feng Shui	9	Lighting	8
Basic Project Management	24	M	
Basic Real Estate Development	25	Maginot Line: Triumph of Military Engineering	18, 23
Blueprint Reading	18, 23	N	
Boeing 747	12, 21	Noncredit Courses	10
Boeing 747-100: The Plane That Changed the World	17, 22	P	
Bridging the Hudson	11, 21	Paid Social Media Advertising Campaigns	24
Business Practices for Interior Decorators	7	Penn Station: Fall from Grace	17, 22
C		Pennsylvania Station	15, 22
Career Development	19	Pennsylvania Turnpike: Road of Tomorrow	14, 22
Carpets & Rugs	7	Practical Decorating	7
Certificate/Advanced Certificate: Interior Decoration	6	Presidents on the Rocks: The Making of Mount Rushmore	16, 22
Certificate: AR VR: Unity	4	R	
Certificate: AutoCAD 2020	4	Resource Sampler Workshop	8
Certificate: General Contracting and Construction Standards	9	Revit and Interior Design	9
Color Workshop for Interior Decorators	8	Revit MEP Fundamentals	19
D		Rockefeller Center	12, 21
Dance	19	Rockefeller Center: City Within a City	15, 22
Design Outlaws: Inventing the Future	12, 21	S	
Design...Where It All Begins	6	Service Operations Leadership	23
Different or Dysfunctional?		Smart Building and IT Integration	20
Thom Mayne's San Francisco Federal Building	10, 21	Social Media Marketing Overview	24
Driver Education	20	Solar PV and Thermal Essentials	18, 23
E		Space Planning: Residential	9
Effective Writing Skills	25	Sydney Opera House: On the Edge of the Possible	14, 22
Energy Contracts & Financing	20	T	
Engineering: Professional Development for Engineers	20	Technical Writing 1	25
Expanded Blueprint Reading	18, 23	Tennessee Valley Authority	14, 21
F		The Evolution of Telecommunications	20
Fabrics and Materials	7	The Fine Art of Acting on Film Part 2	23
FALLINGWATER: The Most Beautiful House in the World	11, 21	The Fine Art of Acting on Film Part 3	23
Feng Shui and Healthy Living for Designers	7	The History of Furniture	8
Film	23	The Woolworth Building: At Home in the Clouds	15, 22
Frank Lloyd Wright's Masterpiece: The S.C. Johnson Wax Administration Building	16, 22	Town and Country: A Garden City for America	17, 22
G		Truth Against the World: The Life and	
Gateway Arch: Monument to a Dream*	18, 23		

Architecture of Frank Lloyd Wright	14, 21
U	
UNISPHERE: Biggest World on Earth	13, 21
Universal Design: Accessible & Usable Buildings	18, 23
Utilizing AutoCAD and Autodesk Inventor 2020	19
W	
White House Redux: The Gut Renovation of the Executive Mansion	14, 21
Window Fashions	8
Woolworth Building: Cathedral in the Clouds	17, 22

New York Institute of Technology (NYIT) offers 90 undergraduate, graduate, and professional degree programs in more than 50 fields of study, including computer science, data, and cybersecurity; biology and biomedical studies; architecture and design; engineering; health professions and medicine; IT and digital technologies; management; communications and marketing; education and counseling; and energy and sustainability. A nonprofit, independent, private, and nonsectarian institute of higher education founded in 1955, NYIT welcomes more than 9,000 students worldwide. The university has campuses in New York City (Manhattan) and Long Island (Old Westbury), New York; Jonesboro, Arkansas; and Vancouver, British Columbia, as well as programs around the world, and sponsors 17 NCAA Division II programs. With a student-centered approach and generous scholarships, NYIT embraces its mission to provide career-oriented professional education, give all qualified students access to opportunity, and support research and scholarship that benefit the larger world. NYIT's caring, expert faculty and staff provide an outcomes-focused student experience and outstanding academic programs infused with technology. More than 100,000 NYIT alumni are part of an engaged network of physicians, architects, scientists, engineers, business leaders, digital artists, and health-care professionals. Together, the university's community of doers, makers, and inventors empowers graduates to change the world, solve 21st-century challenges, and reinvent the future.

Statement on Non-Discrimination

NYIT does not discriminate in admissions, access to, operation of, treatment or employment in its programs and activities on the basis of race, color, national origin, religion, creed, ethnicity, disability, age, marital status, sex, gender, sexual orientation, gender identity, veteran status, or any other legally protected status. The following person has been designated to handle inquiries regarding this non-discrimination statement or inquiries regarding Section 504 of the Rehabilitation Act of 1973 or Title IX of the Education Act of 1972:

Cheryl Monticciolo

Director, Compliance and Title IX Coordinator and 504 Coordinator
New York Institute of Technology
Tower House, Room 106
Old Westbury, NY 11568
516.686.1080
cheryl.monticciolo@nyit.edu

How to Register for Fall 2019

Fill out the registration form so that we receive it five days prior to the first class.

By Mail

Mail the form, along with your check or money order information, to:

New York Institute of Technology Extended Education
Harry J. Schure Hall, room 209
P.O. Box 8000
Old Westbury, NY 11568-8000

In Person

Long Island (Old Westbury, N.Y.) Campus

Harry Schure Hall (Enrollment Services Center)
Monday – Friday, 8 a.m. – 5 p.m.

New York City (Manhattan) Campus

16 West 61st Street, 1st Floor
(Enrollment Services Center)
Monday – Friday, 9 a.m. – 5 p.m.

Online

nyit.edu/extended_education/courses
(for credit or debit card payments) Must register at least 48 hours in advance.

Confirmation of Registration

After you register, you will receive a confirmation in the mail with information about your course time, place, room assignment, and any special instructions.

For more information, call us at 516.686.7490 or email exted@nyit.edu.

NYIT is committed to providing students and their families a range of options for paying their educational expenses. Please note, students will now be charged a convenience fee by NYIT's third-party credit card processing vendor when making credit card payments to their bursar account. This change is being made to offset the costs associated with providing the convenience of online credit card payments.

CASHNet, an independent third-party contractor that accepts payments to a student's bursar account, will charge a non-refundable convenience fee based on the amount charged. Domestic credit card payments will incur a non-refundable convenience fee of 2.75%, and international credit cards will incur a non-refundable convenience fee of 4.25%, which is assessed by CASHNet and not NYIT.

The convenience fee is paid to CASHNet, and NYIT does not receive any of this fee. The charge for the convenience fee will appear separately from the payment on your card statement. There will be no charge for online payments using your checking or savings account. To make a credit card payment, login to your student account at NYITConnect.

NOTE: a debit card with a credit card issuer logo will be processed as a credit card and incur the above convenience fees. If you wish to make a payment from your bank account, utilize the ACH (Automated Clearing House) payment option to avoid the credit card convenience fee.

E-check payments from checking and savings accounts will continue to be accepted online by NYIT through the ACH (Automated Clearing House) Network without a convenience fee via NYITConnect and in person at the Office of the Bursar.

For more information on credit card payment fees go to URL https://www.nyit.edu/bursar/credit_card_convenience_fees

Registration Form

Fall 2019

NEW YORK INSTITUTE OF TECHNOLOGY

First name		Last name	
Address			
City		State	Zip code
Phone	Day	Evening	
Date of birth		MM/DD/YYYY	
Email			
Have you previously attended NYIT?		Yes	No
		If yes, when?	
Occupation			
Company name			

Course #	Section	Name of course	Fee
			Total

Check enclosed: please make checks payable to New York Institute of Technology.

Credit card payments use nyit.edu/extended_education/courses/

REGISTER EARLY to ensure your place in the classes you want.

Discounts: There is a 5 percent discount for senior citizens and NYIT alumni. Some programs and courses require proof of immunization. NYIT reserves the right to cancel any class, change class schedule, divide a class, or change instructors if necessary. Students will receive a full refund in any course in which they have enrolled that is canceled by NYIT.

Withdrawal and refund policy: No refunds will be granted for withdrawal from any noncredit course on or after the first scheduled day of class. Withdrawal must be in writing. Telephone cancellations cannot be honored.

Collection policy: By authorizing a registration or by dropping and/or adding or withdrawing or being dismissed from the courses I registered for this semester, I agree to be charged in accordance with the schedule set forth in NYIT's online catalogs and nyit.edu with respect to payment of tuition and fees, refunds, dropping and adding courses, and, withdrawal and dismissal policies and procedures. I agree to be

bound by this registration form and abide by NYIT's rules and regulations set forth in NYIT's online catalogs and nyit.edu. I agree to pay my debt to NYIT for any amounts due for tuition and fees and other charges. If my charges are not paid when due, I agree to pay NYIT all fees and costs associated with the collection of my delinquent account. In addition to payment of the principal amount due, the additional fees and costs may include collection agency fees constituting 33 to 50 percent of the principal amount due if NYIT engages a collection agency to collect payment; legal fees of 33.3% of the principal amount due if NYIT engages legal counsel to collect payment; any and all interest on the outstanding balance at the maximum legal rate allowed by law and any and all other costs associated with collection of the amount due NYIT. I understand my obligation to pay some or all of these additional fees and costs associated with collection of my delinquent account.

Student's signature

Date

MM/DD/YYYY

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1855 Broadway
New York, N.Y. 10023
(at 61st Street)

[Back to table of contents](#)