



**THE PORT AUTHORITY OF NY & NJ**

**Spring 2012**

# Fundamentals of Construction Methods & Materials

**Course Description:** Examine the methods, materials, and systems used in constructing the architectural components of buildings with a focus on Exterior construction. Topics include: Wood, steel and concrete as the major categories, light gauge metal framing; lath and plaster; brick, stone, concrete, and miscellaneous masonry; iron, steel, and miscellaneous metals and alloys; fireproofing; woods and plastics including fiberglass reinforced plastics; fasteners; thermal and moisture protection; damp proofing and waterproofing; doors, windows, glass, and glazing.

This session will clearly explain the different structural principles entailed in architectural construction; be able to identify all the key components involved in wood frame and steel frame construction. Explain in detail the methods used in concrete construction with a clear understanding of formwork, reinforcement, joints, curing; be able to cite the applications of the various masonry systems and materials.

This course will study the use of contemporary building components and methods of construction, including systems analysis and current structural innovations.

*Classes will be held at*

*Time Square Hall  
Port Authority Bus Terminal  
625 8<sup>th</sup> Avenue, 2<sup>nd</sup> Floor, South Wing  
(Bet. Drago Shoe Repair and  
NJ Transit Offices)  
New York, NY 10018*

**Monday & Wednesday  
April 2 and 4  
9:00 AM - 3:00 PM**

**REGISTER TODAY!!! SPACE IS LIMITED!!!**

**There is a registration fee of  
\$50.00 per person for M/W/S/DBE Port  
Authority certified firms and \$75.00 for others**

*Make Checks Payable to:  
Fund for the City of New York*

**Mail or fax completed registration form to:  
Regional Alliance for Small Contractors  
P.O. Box 20094, PABT, New York, NY 10129  
Please fax form to (212) 268-7509**

**For questions contact the Regional Alliance  
(212)268-2991**

**Email: [regionalalliance.ny@verizon.net](mailto:regionalalliance.ny@verizon.net)  
Website: [www.regional-alliance.org](http://www.regional-alliance.org)**

## REGISTRATION FORM

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

*Provide email, confirmations are sent via email*