

# PRICE ENGINEERING TRAINING (PET) FUNDAMENTAL COURSES - APRIL 14-16, 2021

All times are in EST

APRIL 14 | 12:40 PM

## DESIGNING FOR THERMAL COMFORT

**Beginner** | PTP 501\*

The goal of an HVAC system is to create a thermally-comfortable environment for a building's occupants. This class explores the scientific principles used to quantify thermal comfort and the methods that may be applied to design a thermally comfortable environment.

APRIL 14 | 1:45 PM

## FUNDAMENTALS OF AIR MOVING

**Intermediate** | PTP 4005\*

Terminal units have been used in overhead air distribution systems for decades. This class will discuss fundamentals of terminal unit operation and design as well as some of the standards and factors that impact selection.

APRIL 14 | 3:10 PM

## MIXED AIR DISTRIBUTION SYSTEMS & SMOKE DEMO

**Beginner** | PTP 1000\*

Mixed Air Distribution Systems using Grilles, Registers and Diffusers (GRD) continue to be the most common air distribution system and have been around for nearly 100 years. This class reviews applicable ASHRAE standards, sound, pressure drop, air patterns, and some common applications.

APRIL 15 | 12:05 PM

## FUNDAMENTALS OF HVAC ACOUSTICS

**Intermediate** | PTP 2100\*

HVAC systems have an acoustical impact on building occupants. This class reviews various acoustical terminology and design criteria before addressing several HVAC systems and their noise considerations.

APRIL 15 | 1:10 PM

## AIR PURIFICATION OVERVIEW

**Beginner**

Learn about the fundamentals and solutions available for optimizing indoor air quality (IAQ) including the reduction of airborne pathogens. Topics will include various air purification technologies, relevant performance metrics like ventilation effectiveness, and HVAC solutions for various applications including schools and offices.

APRIL 15 | 2:00 PM

## PRICE CONTROLS OVERVIEW

**Beginner**

This course gives an overview of the Price Controls offering for overhead VAV zoning systems and rooftop control. Attendees will understand what pieces are needed to create a successful zoning system that is optimized for different markets and applications.

*\* This class is worth 1 Professional Development Hour (PDH)*

## RESOURCES

- + **Handbook:** The digital Price Engineer's HVAC Handbook can be accessed at <https://info.priceindustries.com/handbook>
- + **Software:** Price All-In-One Engineering Edition is available at <https://www.priceindustries.com/software/all-in-one>
- + **Webinars:** Upcoming and recorded webinars are available at <https://www.priceindustries.com/education/webinars>

## QUESTIONS

For additional information, please contact the Price Events Team at [events@priceindustries.com](mailto:events@priceindustries.com) or your local Price Rep.

# PRICE ENGINEERING TRAINING (PET) ELECTIVE COURSES - APRIL 14-16, 2021

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You will have the option to select one of the two courses offered during each time slot:

## APRIL 15 | 3:00 PM

### **NOISE CONTROL PRODUCTS** Intermediate | PTP 2303\*

This class reviews Noise Control products and their relevant applications, factors affecting performance, and optimum inlet and outlet conditions. Attendees should leave with an understanding of what to consider when selecting and specifying Noise Control products.

### **DOAS FAN-POWERED TERMINAL UNIT ADVANTAGES** PTP 4112 | Advanced

This class offers a brief introduction to series FPTU's with sensible coils, with the majority of time spent building on foundation concepts introduced in previous DOAS presentations. More advanced topics are discussed such as DOAS sequencing and common application pitfalls.

## APRIL 16 | 12:05 PM

### **ADVANCED TERMINAL UNIT APPLICATIONS** Intermediate | PTP 4100\*

Terminal units have been used for decades. This class explores various terminal unit configurations for a wide range of applications and conditions including relevant test standards.

### **CHILLED BEAM SYSTEM DESIGN** PTP 7008\* | Advanced

This class explores Chilled Beam software that allows for easy selection and system design based on project requirements. The class also provides step-by-step training by walking through several Chilled Beam project examples.

## APRIL 16 | 1:20 PM

### **APPLICATIONS OF HEPA FILTERED DIFFUSERS** Intermediate | PTP 9360

This class reviews the basics of HEPA filtration and how HEPA filtered diffusers can be used in traditional cleanroom applications as well as commercial applications like classrooms and offices to provide ultra-clean airflow.

### **UNDERFLOOR AIR SYSTEMS** PTP 5000\* | Intermediate

Underfloor Air Distribution (UFAD) utilizes the raised access floor system plenum for distributing air into a space with superior flexibility and modularity through easy to install drop-in products. This class discusses design considerations and other relevant standards and codes.

## APRIL 16 | 3:10 PM

### **DISPLACEMENT VENTILATION** Intermediate | PTP 6000\*

Displacement Ventilation (DV) has been implemented for decades with success in reducing energy consumption in buildings while improving the Indoor Environmental Quality. This class will focus on the latest design methods, relevant codes and standards and project examples.

### **HEALTHCARE O.R. APPLICATIONS** PTP 9201\* | Intermediate

Operating Room (OR) requirements continue to evolve as a result of various factors including robotic surgery, hybrid/imaging systems and seismic suspension. This class reviews challenges and presents various solutions.

\* This course is worth 1 Professional Development Hour (PDH)

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