

# Titus University

## Virtual Agenda & Course Descriptions

### Monday, September 20

- 1:00 PM **Terminal Units I** (35 mins) Register: <https://bit.ly/3ADIYP4>  
In part one of terminal units 'Types and Applications' as well as 'Standards and Certification' will be reviewed. The course will look at all types of terminal units such as single duct, dual duct, fan-powered, exhaust, bypass, and induction terminals. The course will review various standards from ASHRAE, AHRI, NEC, UL, and ETL, as well as a look at seismic certification.  
Presenter: Randy Zimmerman, Chief Engineer
- 2:00 PM **Terminal Units II** (60 mins) Register: <https://bit.ly/3m5ntl1>  
Part two will look at 'Features and Options', including inlet sensors, dampers, liners, coils, controls, motors, and filters. We'll also look at sizing and selection of inlet ducts, fans, electric coils, and hot water coils. Presenter: Randy Zimmerman, Chief Engineer
- 3:30 PM **Acoustics** (50 mins) Register: <https://bit.ly/3xKz0Z2>  
This course will help you understand the basics of acoustics in order to understand terminology, published performance ratings, and how lining and installations can impact room sound levels. It will also look at the differences of sound power, sound pressure and sound quality. AHRI 880/885 will also be discussed. Presenter: Randy Zimmerman, Chief Engineer

### Tuesday, September 21

- 12:30 PM **Air Distribution for Comfort** (40 mins) Register: <https://bit.ly/3mfHdCP>  
This course will cover the different types of comfort cooling systems, primary fully mixed cooling. It will also cover perimeter applications mainly from overhead, not only from cooling but from heating and fixed deflection products. Presenter: Jose Palma, Application Engineer
- 2:00 PM **Water Source I** (40 mins) Register: <https://bit.ly/3AAJaNQ>  
**Understanding Chilled Beam Systems**  
This first part will introduce you to the technology, compare it to centralized all-air systems and discuss some of its most advantageous applications. Presenter: Ken Loudermilk, Sr. Chief Engineer

## Tuesday, September 21

- 3:00 PM **Water Source I P2** (46 mins) Register: <https://bit.ly/3sn42FC>  
**Designing Chilled Beam Systems**  
Part two will provide in-depth guidance for the design of chilled beam systems and introduce you to our team and the valuable design and application tools Titus offers you.  
Presenter: Ken Loudermilk, Sr. Chief Engineer

## Wednesday, September 22

- 12:30 PM **Water Source II** (46 mins) Register: <https://bit.ly/3CHAQxT>  
**Fan Coils/Blower Coils**  
This course will discuss Fan Coils and Air Handlers more in depth. Besides going through the explanation of water systems and what is a fan coil, this training session provides a general system overview on how the fan coil functions as part of the total water system, an overview of the various fan coils available in the market, including typical applications and a discussion of their control and valve packages. Presenter: Sean White, Product Applications Manager
- 2:00 PM **Displacement for Classrooms** (40 mins) Register: <https://bit.ly/3yNmDNc>  
This AIA certified course will focus on displacement ventilation as it applies to classrooms. Design and application guidance for North American climate zones will be provided. In addition, the use of displacement chilled beams and DOAS air systems will be explored.  
Presenter: Ken Loudermilk, Sr. Chief Engineer
- 3:00 PM **Underfloor Air Distribution Systems** (45 mins) Register: <https://bit.ly/2VU8hvV>  
This course will introduce you to the basic concepts, provide guidance for system design and discuss the building types most the system is most suitable. Presenter: Nick Searle, Chief Engineer

## Thursday, September 23

- 12:30 PM **VAV Diffusers** (40 mins) Register: <https://bit.ly/3yLskeK>  
This course will cover how VAV diffusers work, the types of buildings they are best suited and the basics of system design. Presenter: Nick Searle, Chief Engineer
- 1:30 PM **Air Distribution for Laboratory Systems** (30 mins) Register: <https://bit.ly/3CL3COi>  
This course will cover how HVAC systems support Laboratory ventilation goals and objectives. Ventilation requirements will be discussed and there will be a closer look fume hoods, their use and how air distribution can affect their performance. Presenter: Matt McLaurin, Critical Environment Product Manager
- 2:30 PM **Air Distribution for Healthcare Facilities** (65 mins) Register: <https://bit.ly/37FX3hp>  
This course will review healthcare standards and guidelines. It will discuss the Wells-Riley Equation and what it means to HVAC engineers. Also, air distribution requirements for patient rooms and operating rooms will be discussed.

Times are Central Time Zone

