



1-DAY COURSE SYLLABUS

Comfort Conditions and Air Quality of Conditioned Spaces

HVBET1-ONL26 · ONLINE (ZOOM)

The determination of proper indoor conditions of the conditioned space is essential for establishing the required level of comfort for the space occupants. This course covers the definition of comfort, determination of indoor conditions as per guidelines of ASHRAE Standard 55, determination of ventilation rates as per guidelines of ASHRAE Standard 62.1, and the effect of poor mixing. The knowledge provided in this course is essential for those who want to size HVAC systems. The topics covered are introduced for individuals who have little background in the subject while providing valuable information for those who are more experienced.

CEUS / PDHS	INSTRUCTOR	DAYS	PRICE	WORKSHOPS	SKILL LEVEL	COURSE CODE
0.2 / 2	Dr. Mohamed Hamed, PhD, P.Eng., FEC	1	\$495.00 CAD	None	Beginner	HVBE11- ONL26

DESCRIPTION

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WHAT YOU WILL LEARN

- Select indoor conditions of air-conditioned spaces
- Calculate the required ventilation (fresh) air to dilute contaminants
- Assess the effect of stratification on the amount of ventilation air

COURSE OUTLINE

- 01 Comfort Conditions and Indoor Air Quality
- 02 Comfort-Physiological Considerations
- 03 Environmental Comfort Indices
- 04 Comfort Conditions – ASHRAE 55
- 05 Indoor Air Quality – ASHRAE 62.1
- 06 Effect of Poor Mixing on Indoor Air Quality

WHO SHOULD ATTEND

- Design and Project Engineers and Technologists
- Consultants
- Mechanical Engineers and Technologists
- Other Technical Personnel who would like to upgrade/refresh their current knowledge of HVAC systems

REGISTER NOW →

Customize this course — We can offer a customized version of this course, in terms of duration and content, upon request.

REQUEST CUSTOMIZATION

DAILY SCHEDULE

1-Day Course Schedule

START

10:00 AM EST

END

5:00 PM EST

FORMAT

Live Online

One-hour lunch break each day, plus refreshment and networking breaks each morning and afternoon session.

DAY	TOPIC	SUBTOPICS
DAY I	Comfort Conditions and Indoor Air Quality	· Comfort-physiological considerations · Environmental comfort indices · Comfort conditions – ASHRAE 55 · Indoor air quality – ASHRAE 62.1 · Effect of poor mixing on indoor air quality