

Specialised Ventilation in Healthcare Premises

(creating a suitable environment and its role in infection control)

Tuesday 3 – Friday 6 November 2020



Delegate numbers for 2020 course will be limited due to social distancing restrictions. Early booking is strongly advised.



UNIVERSITY OF LEEDS

Specialised Ventilation in Healthcare Premises

(creating a suitable environment and its role in infection control)

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Course Director

Andy Poplett – An independent healthcare estates consultant and AE for ventilation and water. Member of IHEEM and SVHSoc, Associate Member of CIBSE, and Affiliate Member of IFE.

About the course

During this course we will examine the specific requirements for the provision of ventilation in Healthcare Premises and explain the thinking behind current standards. Hospitals are full of vulnerable people, if the ventilation is inappropriate or inadequate the results can be grave. In order to provide a safe and suitable environment for patients and staff, the areas below need to be ventilated:

- operating theatres
- patient treatment and isolation rooms
- X-ray and imaging suites
- pathology laboratories
- pharmaceutical preparation areas
- sterile services packing rooms
- estate workshops
- mortuaries and post mortem rooms

Many activities are subject to specific statutory requirements designed to control exposure to airborne hazards. The basis of guidance on specialised ventilation for healthcare premises is HTM03-01 (2007) which replaced HTM2025 and will also include aspects of the upcoming revision to the HTM 03-01 standard (2020). The course will clarify how to apply current guidance in new builds and facilities built to previous guidance.

Course structure

The course is delivered by a mix of presentations and group workshops with a reflective learning quiz at the end of the course to provide proof of knowledge gained. The course director will provide guidance on the

appointment of Authorising Engineers (Ventilation) and the duties of Authorised and Competent persons. The role of outside contractors who provide annual inspection and verification services will also be examined.

Who should attend

This course will take a holistic look at the need for ventilation in healthcare premises and how it can best be provided. It will therefore be of particular interest to:

- estates and facilities managers and other healthcare professionals who are involved with the provision, performance or operation of specialised ventilation systems
- those wishing to become Authorising Engineers (Ventilation) – AE(V) / Authorised Persons (Ventilation) – AP(V)
- infection control personnel and team leaders
- operating department managers
- capital project managers
- consulting engineers
- trust risk assessment managers
- project management groups
- equipment manufacturers
- test and validation specialists

Course Organisation

This course has been jointly organised by NHS Technical Specialists Education and Training Group (NHS TSET) and the University of Leeds

What our previous delegates say:

“A great course, which makes good headway to help close the gap between infection control and healthcare colleagues managing ventilation systems”
Health Protection Scotland

“A great mix of information, great subject matter experts, delivered in a fantastic location. Any healthcare establishment should ensure they send staff on this course. Thank you, this has been excellent”
Southampton University Hospital

“Very well structured, covering key areas across ventilation. Useful to hear from various expert speakers, to understand their experiences, including issues encountered”
Sandwell and West Birmingham Hospital

“Covers many aspects of air management and control. There’s something here for almost everyone who works in a healthcare environment”
Addenbrookes Hospital

Programme

Tuesday 3 November 2020

- 08.45 Registration and coffee
- 09.15 **Introduction and overview of the course**
Andy Poplett, APE Ltd
- 09.45 **Healthcare ventilation – key issues**
Malcolm Thomas, Consultant Engineer and Main Author HTM 03-01 (2020)
- 10.30 Coffee
- 10.45 **Airborne infection: some history and concepts**
Robert Porter, Consultant Microbiologist, RD&E
- 12.00 **Specialised ventilation concepts**
Andy Poplett
- 12.45 Lunch
- 13.30 **Anaesthesia v sedation: applications, benefits and hazards**
Simon Dale, Consultant Anaesthetist, Chesterfield Royal Hospital
- 14.15 **HTM 03-01; Part A; Design: the ventilation of an Operating Department – The revised standard**
Malcolm Thomas
- 15.15 **Workshop 1 – Operating theatres**
Margaret Barrows, Theatre Practitioner, Calderdale and Huddersfield NHS Foundation Trust, Robert Porter, Simon Dale
- 16.20 **Workshop feedback session**
Malcolm Thomas and Team
- 17.10 **Operating on infectious patients: a user’s perspective**
Simon Dale
- 17.30 **Summary of day one and notices**
Margaret Barrows

Wednesday 4 November 2020

- 09.00 **Introduction to day two**
Malcolm Thomas
- 09.05 **Air filtration – current standards**
James Dagnall, Camfill
- 09.40 **Air Handling Units – minimum standards and new developments**
Sigrid Volkmann, Consulting Engineer, STS Consulting & Training Services
- 10.10 Coffee
- 10.25 **Zero Carbon agenda and Energy Standards**
Sigrid Volkmann
- 10.55 **Fire strategy and air distribution systems**
John McEwan, Hulley & Kirkwood Consulting Engineers Ltd
- 11.55 **Assessment of operating theatre air quality**
David Jobes, Stockton Quality QC Laboratory
- 12.35 Lunch
- 13.35 **Workshop 2 – Equipment circus**
 - Display of air flow measuring instruments
Speaker to be confirmed
 - Demonstration of blower door
Speaker to be confirmed
 - Demonstration of aero biology equipment
David Jobes, Stockton Quality QC Laboratory
 - Demonstration of UCV test methodology
James Dagnall, Camfill
 - Particle counting and challenge testing HEPA filters
Andy Worsick, EMS Particle Solutions UK Ltd
- 16.30 **A history of Epidemics or “The Black Death (and other inconveniences)”**
Craig Mackintosh, Clinical scientist (Retired)
- 17.10 **Summary of day two and notices**
Margaret Barrows

Thursday 5 November 2020

- 09.00 **Introduction to day three**
Malcolm Thomas
- 09.05 **Minimally invasive procedures and minor operations**
Karren Staniforth, Clinical Scientist, Nottingham University Hospital
- 09.50 **Local exhaust ventilation: an overview**
Colin Gaffney, Consulting Validation Engineer
- 10.30 Coffee
- 10.50 **The Ventilation Safety Group / Audit reports: AE(V) and AP(V) roles**
Andy Poplett
- 11.30 **Installation standards: commissioning and validation**
Colin Gaffney
- 12.15 Lunch
- 13.15 **HTM 03-01; Part B; Operational management – Revised standard**
Malcolm Thomas
- 14.00 **HTM 03-01; Part B; Annual verification and minimum standards**
Malcolm Thomas
- 14.40 Tea
- 14.55 **HBN 06 Diagnostic Imaging and Interventional Radiology**
Speaker to be confirmed
- 15.35 **Clean rooms in pharmacy and sterile services departments**
Colin Gaffney
- 16.15 **Where’s my air?**
Rob Townsend, Sheffield Teaching Hospitals
- 16.55 **Summary of day three and notices**
Margaret Barrows

Friday 6 November 2020

- 09.00 **Introduction to day four**
Margaret Barrows
- 09.05 **Isolation facilities: concepts, research and application**
Malcolm Thomas
- 10.00 **Multi choice question review of course content**
Andy Poplett
- 10.35 Coffee
- 11.00 **The creation of emergency isolation facilities**
Speaker to be confirmed
- 11.30 **Review of revision questions**
Andy Poplett, Malcolm Thomas and team
- 12.15 **Hot topics and course summary**
Andy Poplett/
Malcolm Thomas
- 12.45 **Close of course, issue of CPD certifications and lunch**

View further details and book your place online at <http://eps.leeds.ac.uk/short-courses>

We are constantly reviewing the government guidance around Covid-19 and will be taking necessary precautions, there is an expectation for delegates to adhere to any measures which are in place at the time of the course.

Please note, although we remain devoted to the programme specified, we reserve the right to vary the programme in detail if required to do so by factors beyond our control.

Further information

Course Fee and Accommodation Package

The Specialised Ventilation in Healthcare Premises course is residential and the course fee includes refreshments, lunches, bed and breakfast accommodation and evening meals at Weetwood Hall Estate on Tuesday 3 November to the close of the course on Friday 6 November 2020.

The following course fees also include cost of tuition and comprehensive course notes: **£1750**

For local delegates who do not require accommodation, please contact us for a non-residential rate.

Additional options

We can also book bed and breakfast accommodation for Monday 2 November for an additional charge of £93 if required.

Venue

The course venue will be Weetwood Hall Estate which offers first-class hotel facilities, a business centre and ample parking facilities. Weetwood Hall Estate is ideally situated 15 minutes north of the centre of Leeds. Further details can be found at www.weetwood.co.uk



How to Book

To pay via purchase order and invoice

1. Email us at cpd@healthcare.leeds.ac.uk to request a registration form
2. Send your completed registration form along with payment or purchase order document to the address below

We require all course fees to be paid prior to attendance.

To pay via debit or credit card (via our secure Online Store)


1. Visit our Online Store at: <http://store.leeds.ac.uk>
2. Select Conferences and Events in the left-hand navigation bar and 'CPD Faculty of Engineering and Physical Sciences'
3. Select the relevant course, click on 'Book Event' and complete your booking details


You will receive an automatic confirmation email within 24 hours of your booking.


Get in touch

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 CPD, Conference and Events Unit,
University of Leeds

Terms and conditions for booking

Payment by debit/credit card

Payment should be made at the time of booking via the Online Store.

Payment via purchase order and invoice

A purchase order document should accompany your booking form. Our standard terms of payment are 30 days from date of invoice, however payment must be made prior to attendance. Attendance may be refused if payment has not been received.

Where a delegate cancels a registration

For cancellations made within seven days of booking: a full refund is payable unless the course starts within the next seven days, in which case the full fee is payable and no refunds will be made.

For cancellations made after seven days of booking: written cancellations received up to 15 working days before the course will be subject to an administrative charge of 20% of the total fee. Within 15 working days of the course the full fee is payable and no refunds will be made.

For non-attendance: the full fee is payable and no refunds will be made but copies of the course materials will be sent to the registered delegate. Substitutions may be made at any time.

Changes made by the University of Leeds

The course programme may have to be re-scheduled or the speakers changed for reasons outside our control. The University of Leeds reserves the right to cancel or postpone a course, in which case fees will be refunded in full. In the event of cancellation, the University will not be held liable for delegates' travel or accommodation expenses.

Data/Privacy

Your right to privacy is important to us. We will only use your information to provide information on our CPD courses and relevant events. We will not pass your details on to any other organisations. The ways in which your personal data may be used when you provide it to us are defined in our Privacy Notice at <https://eps.leeds.ac.uk/privacy>.

If you have opted in to receive details of future CPD courses from us you can unsubscribe at any time by emailing us at cpd@healthcare.leeds.ac.uk and your details will be removed from our database.



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