Specialised Ventilation in Healthcare Premises
(created 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.
Specialised Ventilation in Healthcare Premises (creating a suitable environment and its role in infection control)

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About the course
During this course we will examine the specific requirements for the provision of ventilation in Healthcare Precinises 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, 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

“The course is 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

Tues 3 November 2020
09.45 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, RDAs
12.00 Specialised ventilation concepts
Andy Poplett
12.45 Lunch
13.30 Anesthesia v isolation: applications, benefits and hazards
Simon Dale, Consultant Anaesthetist, Sheffield Teaching Hospitals
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
Malcolm Thomas, 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

Wed 4 November 2020
09.00 Introduction to day two
Malcolm Thomas
09.05 Air infiltration – current standards
James Dagnall, Canterbury
09.40 Air handling units – minimum standards and new developments
Rajpal Valmason, Consulting Engineer, STS Consulting & Training Services
10.10 Coffee
10.25 Zero Carbon agenda and Energy Standards
John McEwan, Hulley & Kirwood Consulting Engineers Ltd
10.55 Fire strategy and air distribution systems
John McEwan, Hulley & Kirwood Consulting Engineers Ltd
11.55 Assessment of operating theatre air quality
David Stan, Stockton Quality GC Laboratory
12.30 Lunch
13.30 Workshop 2 – Equipment circus
Display of air flow measuring instruments
Speaker to be confirmed
14.30 Demonstration of a blower door
James Dagnall, Canterbury
14.55 Demonstration of aero-biology equipment
David Johns, Stockton Quality GC Laboratory
15.10 Demonstration of UVC test methodology
James Dagnall, Canterbury
16.15 Speaker to be confirmed
16.30 A history of Epidemics or Where’s my air?
Speaker to be confirmed
17.10 Summary of day two and notices
Margaret Barrows

Thurs 5 November 2020
09.00 Introduction to day three
Malcolm Thomas
09.05 Minimally invasive procedures and minor operations
Karen Stanileth, Clinical Scientist, Nottingham University Hospital
09.40 Local exhaust ventilation: an overview
Colin Guthray, Consulting 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 Guthray
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 HEN 06 Diagnostic Imaging and Interventional Radiology
Speaker to be confirmed
15.35 Clean rooms in pharmacy and sterile services departments
Colin Guthray
16.15 Speaker to be confirmed
16.35 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.