Specialised Ventilation in Healthcare Premises
(creating a suitable environment and its role in infection control)
Tuesday 30 October - Friday 2 November 2018
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Course director

Course outline
This course is organised by the University of Leeds in conjunction with the NHS. It will examine the specific requirements for the provision of ventilation and control exposure to airborne hazards.

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 structure
The course is delivered by a mix of presentations and group workshops with a multiple choice examination at the end of the course to provide proof of knowledge gained.

The basis of guidance on specialised ventilation for healthcare premises is HTM03-01 (2007) which replaced HTM2025. The course will clarify how to apply current guidance in new builds and facilities built to previous guidance.

Programme

Tuesday 30 October 2018

08.45 Registration and coffee
09.15 Introduction and overview of course Malcolm Thomas, Consultant Engineer
09.45 Healthcare ventilation - key issues Malcolm Thomas
10.30 Coffee
10.45 Airborne Infection: some history and concepts Robert Porter, Consultant Microbiologist, R&D
11.45 Specialised ventilation concepts Andy Poplett, APS Ltd
12.45 Lunch
13.30 The operating department Malcolm Thomas, Consultant Engineer
14.30 Introduction to workshop 1 Margaret Barrows, Operating Department Manager, Methley Park Hospital (Rit)
14.45 Workshop 1 – Operating theatres Margaret Barrows, Robert Porter, Malcolm Thomas
15.45 Workshop feedback session Malcolm Thomas and Team
16.55 Where’s my air? Rob Townsend, Consultant Medical Microbiologist, Sheffield Teaching Hospitals, NHS Foundation Trust
17.35 Summary of day 1 and notices Margaret Barrows
19.00 Evening meal at Weetwood Hall

Wednesday 31 October 2018

09.00 Introduction to day 2 Malcolm Thomas
09.05 Air Handling Units – minimum standards and new developments. European energy standards for ventilation systems Sigurd Volkmann, Consulting Engineer, STS Consulting & Training Services
09.40 Air filters – new standards James Draycot, Camfil
10.10 Coffee
10.25 Fire strategy and air distribution systems Andy Poplett, APS Ltd
10.55 Clean rooms in pharmacy and sterile services departments John McEwai, Hulky & Kirwood Consulting Engineers Ltd
11.55 Assessment of operating theatre air quality Joe Hughes, Clean Air Solutions (UK)
12.35 Lunch
13.35 Workshop 2 – equipment circus
- Display of air flow measuring instruments Alan Gilbert and Stacey Ward, BSRIA Instrument Solutions
- Demonstration of blower door Alan Gilbert and Stacey Ward, BSRIA Instrument Solutions
- Demonstration of aero biology equipment David Johns, Stockton Quality QC Laboratory
- Demonstration of UCV test methodology James Dagnall, Camfil
- Particle counting and challenge testing HEPA filters Andy Worscik, Air Techniques International
16.30 The HIS theatre acceptance document (2007) Margaret Barrows, Malcolm Thomas
17.10 Summary of day two and notices Margaret Barrows
19.00 Evening meal at Weetwood Hall

Thursday 1 November 2018

09.00 Introduction to day 3 Malcolm Thomas
09.05 Minimally invasive procedures and minor operations Karen Stanford, Senior Biomedical Scientist Infection Prevention & Control, Nottingham University Hospital
09.50 Theatre refurbishment: a users perspective Simon Gills, Consultant Anaesthetist, Chesterfield Royal Hospital
10.30 Audit reports: AE(V) and AP(V) roles Andy Poplett, APS Ltd
11.30 Validation and verification Colin Gaffney, Consulting Engineer
12.15 Lunch
13.15 Introduction to workshop 3 Colin Gaffney, Consulting Engineer
13.30 Workshop 3 Evaluation
14.45 Workshop feedback session Colin Gaffney and Team
15.30 Local exhaust ventilation: an overview Malcolm Thomas
16.15 The surgeon’s panel
- SWHSoc. Document Malcolm Thomas
17.00 Summary of day three and notices Margaret Barrows
19.00 Evening meal at Weetwood Hall

Friday 2 November 2018

09.00 Introduction to day 4 Malcolm Thomas
09.05 Ward isolation facilities. Positive Pressure Ventilated lobby (PPLV) concepts, research and application Malcolm Thomas
10.00 Introduction to the multiple choice question exam Malcolm Thomas
10.35 MCQ Exam
11.00 Guest presentation: CAD BIM and 3D at the Christie Proton Beam Unit – a case study Owen McDonagh, Senior Engineer Intensive Construction
11.30 MCQ answers and review of exam paper Malcolm Thomas and team
12.15 Hot topics and course summary Malcolm Thomas
12.45 Close of course and issue of CPD certificates Buffet lunch

What our previous delegates say:
“An excellent course which does an amazing job of explaining specialised ventilation and bringing together people from different backgrounds to share unique perspectives on the subject.”

“An excellent course for a range of staff, estates professionals, infection control staff and microbiologists alike. I will be strongly recommending to my colleagues.”

“One of the most practically focused and useful courses I have ever attended.”

“This course is a must for everybody associated with healthcare ventilation.”
Further information

Venue
The venue for the course is Weetwood Hall Conference Centre and Hotel which offers first-class hotel facilities, a business centre and ample parking facilities.

Weetwood Hall Hotel is ideally situated 15 minutes north of the centre of Leeds in wooded grounds at the junction of the Otley Road and the outer ring road. It is just 15 minutes from Leeds Bradford International Airport and a short distance from the A1, M1, M606, M621 and M62 motorways.

Further details can be found at www.weetwood.co.uk

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 Hotel on Tuesday 30 October to the close of the course on Friday 2 November 2018.

The following course fees also include cost of tuition and comprehensive course notes:
£1650

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 29 October for an additional charge of £91 if required.

Accessibility
Please let us know if you have any specific requirements including any access or dietary requirements in relation to this course.

How to Book
Delegates can book their place via our secure online store (using debit or credit card) or by completing a manual registration form to receive an invoice. Please follow the guidance below on how to complete your booking:

Online booking (via debit/credit card)
1. Log on to our Online Store at: https://store.leeds.ac.uk
2. Select Conferences and Events in the left-hand navigation bar.
3. Select CPD Pharmaceutical & Healthcare courses
4. Select the course or event for which you wish to register and click on ‘Book’.
5. If you are a new user, please follow the instructions to register.
   If you already have an account log in as instructed.
6. Complete the application process as directed by the booking system.

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

Manual registrations
1. Please email cpd@healthcare.leeds.ac.uk to request a registration form or call Sarah McLaughlin +44 (0)113 343 2494
2. Send your completed registration form along with payment or purchase order document to the address below.

Payment can be made by bank transfer, debit/credit card, or by cheque made payable to the ‘University of Leeds’. Please note that if you have requested an invoice, registrations received without a supporting purchase order document cannot be processed. Terms of payment are 30 days from date of invoice. Fees must be paid no later than 15 working days before the course commences.

For online booking queries and for all other enquiries please contact:
Sarah McLaughlin – CPD Course Coordinator
CPD, Conference and Events Unit
Faculty of Engineering
School of Chemical and Process Engineering, 3.11
University of Leeds
LEEDS, LS2 9JT, UK
T: + 44 (0) 113 343 2494
E: cpd@healthcare.leeds.ac.uk
W: www.engineering.leeds.ac.uk/short-courses
@LeedsUniCPD

Terms and conditions for booking
Payment in full should accompany your booking unless you have requested to pay by invoice (in which case a valid purchase order document must accompany your registration). Terms of payment are 30 days from invoice and invoices must be paid in full no later than 15 working days before the course commences. Failure to pay may result in attendance being refused. Registrations are accepted on the understanding that the printed programme is given in good faith but 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 the 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. Delegates will receive a full refund for cancellations made within 7 days of online booking, except where the booking has been made for an event commencing within the next 7 days. Where a delegate wishes to cancel a registration after this 7 day period, written cancellations received up to 10 working days before the course will be subject to an administrative charge of 20% of the total remittance. After this date the full fee is chargeable and no refunds will be made, this also applies for non-attendance but copies of the course documents will be sent. Substitutions may be made at any time. If you are unable to complete your registration using the online booking system please contact the CPD, Conference & Events Unit to discuss alternative arrangements. The CPD Unit takes your privacy seriously and we will only use your information to provide information on our CPD courses and relevant engineering events. We will not pass your details to any other organisations. 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.

Weetwood Hall