Specialised Ventilation in Healthcare Premises
(creating a suitable environment and its role in infection control)
Tuesday 5 – Friday 8 November 2019

100% of last year’s delegates said that this course met their aims and that they would recommend the course to colleagues.

Early booking is recommended
Specialised Ventilation in Healthcare Premises
(creating a suitable environment and its role in infection control)
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Course director

Deputy 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 RHE.

Course outline
This course has been jointly organised by NHS Technical Specialists Education and Training Group (NHS TSEG) and the University of Leeds. It will examine the specific requirements for the provision of ventilation in Healthcare Premises and explain the theory 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 HTM2005. The course will clarify how to apply current guidance in new build and facilities built to previous guidance.

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:
- estate 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
- risk trust 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 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.

Programme

Tuesday 5 November 2019
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, ROAE
11.45 Specialised ventilation concepts Andy Poplett, AP(E) Ltd
12.45 Lunch
13.30 HTM 03-01: The operating department Simon Dale, Consultant Anaesthetist, Chesterfield Royal Hospital
14.30 Introduction to workshop 1 Theatre Practitioner, Calderdale and Huddersfield NHS Foundation Trust
14.45 Workshop 1 – Operating theatres Margaret Barrows, Robert Porter, Simon Dale
15.45 Workshop feedback session Malcolm Thomas and Team
16.55 Theatre refurbishment: a user’s perspective Simon Dale, Consultant Anaesthetist, Chesterfield Royal Hospital
17.35 Summary of day 1 and notices Margaret Barrows
19.00 Evening meal at Westwood Hall

Wednesday 6 November 2019
09.00 Introduction to day 2 Malcolm Thomas
09.05 Air filters – new standards James Drygoer, Camfil
09.40 Air handling units – minimum standards and new developments Sigrid Volkmann, Consulting Engineer, LTS Consulting & Training Services
10.10 Coffee
10.25 European energy standards for ventilation systems Sigrid Volkmann
10.55 Fire strategy and air distribution systems Malcolm Thomas
11.55 Assessment of operating theatre air quality David Jones, Stocksden Quality QC Laboratory
12.35 Lunch
13.35 Workshop 2 – equipment circus
- Display of air flow measuring instruments Alan Gibert and Karen Jones, IAIRA Instrument Solutions
- Demonstration of aero biology equipment David Jones, Stocksden Quality QC Laboratory
- Demonstration of UVC test methodology James Dagnall, Camfil
- Particle counting and challenge testing HEPA filters Andy Worsick, WAP Engineering
16.30 The HIRS theatre acceptance document Karen Stanford, Clinical Scientist, Nottingham University Hospital
17.10 Summary of day two and notices Margaret Barrows
19.00 Evening meal at Westwood Hall

Thursday 7 November 2019
09.00 Introduction to day 3 Malcolm Thomas
09.05 Minimally invasive procedures and minor operations Karen Stanford, Clinical Scientist, Nottingham University Hospital
09.50 Local exhaust ventilation – an overview Malcolm Thomas
10.30 Coffee
10.50 Audit reports: AE(V) and AP(V) roles Andy Poplett, AP(E) Ltd
11.30 Validation and verification Colin Garthwaite, Consulting Validation Engineer
12.15 Lunch
13.15 Clean rooms in pharmacy and sterile services departments Joe Hughes, Clean Air Solutions (UK)
14.00 Maternity and Gaynae ventilation Andy Poplett
14.40 Tea break
14.55 Interventional imaging Speaker to be confirmed
15.35 Pathology and mortuary ventilation Malcolm Thomas
16.15 Where’s my air? Rob Dalencourt, Consultant Medical Microbiologist, Sheffield Teaching Hospitals
16.55 Summary of day three and notices
19.00 Evening meal at Westwood Hall

Friday 8 November 2019
09.00 Introduction to day 4 Malcolm Thomas
09.05 Ward isolation facilities concepts, research and application Malcolm Thomas
10.00 Introduction to the multiple choice question exam Malcolm Thomas
10.55 MCQ Exam
11.35 Coffee
11.00 Guest presentation Speaker to be confirmed
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 CHS certificates Buffet lunch

What our previous delegates say:
“Very informative to understand the basic principles of ventilation, its purpose and also to understand all the stakeholders involved that should be.” Cundall
“The course provided me with the underpinning knowledge required in another field of expertise. Brilliant course.” Southampton University Hospital
“I found the balance of content between engineering and clinical application was perfect.” BSHU NHS Trust
“A must for all IPC leads.” Wrightington, Wigan and Leigh NHS Foundation Trust
“I now have a better understanding of the overall ventilation in healthcare strategy and reasons behind them. Excellent content with a group of speakers highly specialised. Would certainly recommend this course.” Apreco Ltd
“Excellent overview of why specialist ventilation is important and aspects from design to validation and verification and is good for estates and non-estates persons to get an understanding of the systems and legal aspects thereof.” Bedford Hospital NHS Trust

Please note that, although the organisers remain devoted to the programme specified, they reserve the right to vary the programme in detail if required to do so by factors beyond their control.
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 5 November to the close of the course on Friday 8 November 2019.

The following course fees also include cost of tuition and comprehensive course notes: £1700

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

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. Our privacy notice tells you what to expect us to do with your personal information when you make contact with us or use one of our services: https://tinyurl.com/CPD-Privacy-Notice

Manual registrations
1. Please email cpd@healthcare.leeds.ac.uk to request a registration form or call Jenna King on +44 (0)113 343 5746
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:
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LEEDS, LS2 9JT, UK
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E: cpd@healthcare.leeds.ac.uk
W: www.engineering.leeds.ac.uk/short-courses
@LeedsUniCPD
CPD, Conference and Events Unit, University of Leeds

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 15 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.