Pharmaceutical Medical Gas Testing

Monday 3 – Friday 7 February 2020

100% of delegates that responded in 2019 would recommend this course to colleagues.
Pharmaceutical Medical Gas Testing
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Course director
Theresa Hughes
Principal QA Pharmacist,
Royal Berkshire NHS Foundation Trust

Course aims
This five day short course will be delivered by a combination of learning methods including presentations, group discussions and practical sessions explaining the principles of pharmaceutical medical gas testing.

The course will include:
- practical testing with a range of different equipment
- troubleshooting and assessing defective systems
- active assistance from experienced tutors
- positive team building activities

A short written assessment (exam) is undertaken at the end of the course. There will also be a work based practice report to be completed.

Who should attend?
This course will be suitable for pharmacists and other healthcare professionals with experience and responsibilities for, or an interest in, medical gas testing. It is essential for those who wish to register as QC (MGPS) under the HTM 02-01.

Learning objectives
On completion of this course, you will be able to:
- demonstrate a knowledge of HTM 02 and Permit to Work relating to medical gases
- demonstrate a knowledge of health and safety relating to medical gases
- demonstrate a knowledge of medical gases production and properties, and the application of GMP to medical gas production
- demonstrate a knowledge of uses and clinical risks associated with medical gases
- make critical assessment on health and safety issues such as OES, MEL and STEL
- identify and resolve problems associated with medical gas systems
- interpret test results of medical gas systems and take appropriate actions
- identify and resolve any problems associated with testing equipment
- document relevant activities and interventions

Reassessment course
There will be a two day refresher and reassessment course taking place in November 2020 which is specifically designed for those who require the formal assessment of competency under HTM 02-01.

What our previous delegates say:
“Excellent course, fully met the needs of a QC (MGPS).”
“The best preparation for Medical Gas testing you can hope for.”
“Great course, very informative with a good mix of presentations and practices.”
“Excellent week. Learned a huge amount from individuals with a wealth of knowledge and practical experience.”

Please note, if you are enquiring or registering specifically to follow through to registration as a medical gas tester you will also need to satisfy the criteria laid out in the HTM i.e. be a graduate who is eligible for membership of the Royal Pharmaceutical Society (RPS), the Royal Society of Chemistry (RSC) or the Royal Society of Biology (RSB).

Programme

Monday 3 February 2020
09:00 Registration and coffee
09:30 Course and module introduction
10:20 Introduction to medical gases and their uses
12:00 Introduction to HTM 02-01 (2006)
12:30 Lunch
13:00 Key MGPS features

Tuesday 4 February 2020
08:50 Gas safety in relation to MGPS
09:50 Aspects of MGPS engineering (part 1):
- Configuration of electrical supplies, emergency reserve supplies and mobile emergency backfeed manifolds
- Terminal unit identity
- Cylinder Management
- Storage, tracking, AVSUs, LVA’s and alarms operation and faults

Wednesday 5 February 2020
12:50 Workshop sessions
- Terminal units function, identity and operational problems
- Cylinder Management identification, storage, tracking, and connections

17:00 End of day three

Thursday 6 February 2020
08:50 The Basic tool kit
09:30 Instrument calibration
09:35 Calibration gases
10:00 Refreshment break
10:15 Calibration of Instruments – demonstration/workshop
11:00 Common problems that occur with equipment
11:45 Measurements of particulates
12:30 Lunch
13:00 Problem solving workshops
- Testing equipment
- Testing a compressor
- Pressure testing
- Making up bench tests
- Terminal unit identity

17:00 End of day four

Friday 7 February 2020
08:45 Introduction to day five
09:00 Oxygen conservation
09:45 Nitric QC (MGPS) – pressures of the job
10:30 Refreshment break
10:45 MGPS line pressure

11:45 Introduction to assessment
12:00 Written assessment
12:30 Lunch
13:45 Question and answer session
14:30 Round-up, feedback on assessment test and what happens next
15:00 Closing summary, end of day five and course

Speakers
Keith Butler, Alpha Moisture Systems
Steve Connov, previously Colchester Hospital University NHS
Dale Doyle, Glynn GMP Solutions Ltd
Adrian Fairbrother, GMP (MGPS)
Peter Henrys, BRC Healthcare
Paul Jones, GMP (MGPS) and Consultant (Medical Gases)
Richard Maycock, Medical Engineering Systems Limited
Tim Sizer, Regional QA Specialist NHS South West
Richard Skidmore, Head of Quality, Barts Health NHS Trust
Andrew Sully, GMP (MGPS) Cardiff and Vale NHS Trust
Richard Sutherland, GMP (MGPS) Omnicon Ltd

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 course will be held at Midland Medical Services Ltd, Rowley Regis, West Midlands, B65 9BY on Monday, Tuesday, Wednesday and Thursday and Friday will take place at the Copthorne Hotel Merry Hill Dudley, DY5 1UR, a short distance away. Directions to the venues will be included within the delegate joining instructions.

Course fee
The following course fees include the cost of tuition, course materials, lunches and light refreshments for the day(s) of attendance. Delegates are responsible for their own evening meals except on Tuesday 4 February when the course dinner is included.

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<th>Monday – Thursday</th>
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<td>Full five days</td>
<td>£1175</td>
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Accommodation
Bed and breakfast accommodation can be booked on behalf of delegates at the Copthorne Hotel Merry Hill Dudley, DY5 1UR and this can be added to your invoice, if required. All rooms are double for sole occupancy and have en-suite facilities. Copthorne Hotel Merry Hill Dudley is approximately 5 miles from Midland Medical Services and delegates are responsible for making their own way to the course venue Monday – Thursday.

We have negotiated the following bed and breakfast rates:

- Sunday 2 February 2020: £86 per night
- Monday 3 – Thursday 6 February 2020: £103 per night

The course dinner will be held at the Copthorne Hotel Merry Hill restaurant on Tuesday evening and is included in the course fee. If you would like to attend please indicate when booking.

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 pay via invoice. Please follow the guidance below on how to complete your booking:

Online booking (using 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://eps.leeds.ac.uk/privacy

Manual registrations
1. Please email cpd@healthcare.leeds.ac.uk to request a registration form or call +44 (0)113 343 2494/8104
2. Send your completed registration form along with payment or purchase order document to the address below.

Payment can be made by bank transfer, 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:

CPD, Conference and Events Unit
Faculty of Engineering and Physical Sciences
School of Chemical and Process Engineering, 3.11
University of Leeds
Leeds, LS2 9JT, UK.
T: +44 (0)113 343 2494/8104
E: cpd@healthcare.leeds.ac.uk
W: https://eps.leeds.ac.uk/short-courses

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 the 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.