The course aims to provide, in a structured manner, an organised reference is made to UK legislation and principles of performance based fields) who have recently been given responsibility in fire safety and those fire consultants. The course particularly aims to help those (in the above disciplines. This course would benefit building managers, systems installation designers and regulators.

**Course objectives**

This course aims to provide, in a structured manner, an organised and comprehensive framework for fire safety and building fire protection design. On completion of the course the participant should be in a position to make a significant contribution in the design of appropriate fire safety systems for a fairly complex building or structure.

**Course format**

During the course the key pieces of legislation along with methods for identification and quantification of hazard and risk will be presented and the main sources of more detailed information and guidance will be identified and reviewed. By necessity the course concentrates mainly on buildings; however, the principles presented are applicable to other systems.

**Intended audience**

The course will be of benefit to the following professionals: architects, building technologists, building surveyors, quantity surveyors, building control officers, estate managers, fire officers, loss adjusters, loss assessors and insurers, company fire safety officers, HSE personnel and fire consultants. The course particularly aims to help those (in the above fields) who have recently been given responsibility in fire safety and those who seek structured and comprehensive guidance on the fundamentals of fire safety design methods and approved practices. Although extensive reference is made to UK legislation the principles of performance based design are applicable to a wider international audience.

**Course accreditation**

The Fire Safety Design (FPD) course has been approved for 32.5 hours CPD hours in total by the Institution of Fire Engineers (IFL).

**Programme**

**MONDAY 2 DECEMBER 2019**

**Means of Escape / Human Behaviour in Fires / UK and New EU Testing Standards**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08.30</td>
<td>Registration and coffee</td>
</tr>
<tr>
<td>09.00</td>
<td>Introduction to Fire Safety Design course</td>
</tr>
<tr>
<td>10.45</td>
<td>Fire Safety Engineering (Risk Assessment)</td>
</tr>
<tr>
<td>13.00</td>
<td>Lunch</td>
</tr>
<tr>
<td>13.30</td>
<td>Human behaviour in fire – basic principles, modelling and design by Dr Jeremy Fraser-Mitchell, BRE</td>
</tr>
<tr>
<td>15.30</td>
<td>Tea</td>
</tr>
<tr>
<td>15.45</td>
<td>Travel time as an alternative to travel distance</td>
</tr>
<tr>
<td>17.30</td>
<td>End of day one</td>
</tr>
<tr>
<td>19.00</td>
<td>Course dinner</td>
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</tbody>
</table>

**TUESDAY 3 DECEMBER 2019**

**Detection and Warning Systems, Emergency Lighting and Structural Protection**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08.45</td>
<td>Registration and coffee</td>
</tr>
<tr>
<td>09.00</td>
<td>Hospital fire safety strategies</td>
</tr>
<tr>
<td>10.15</td>
<td>Coffee</td>
</tr>
<tr>
<td>10.35</td>
<td>Detection and warning systems with case studies</td>
</tr>
<tr>
<td>12.15</td>
<td>Lunch</td>
</tr>
<tr>
<td>12.55</td>
<td>Aspects of passive fire protection in building design</td>
</tr>
<tr>
<td>14.30</td>
<td>Tea</td>
</tr>
<tr>
<td>14.45</td>
<td>Emergency lighting</td>
</tr>
<tr>
<td>15.35</td>
<td>Alarm systems and sound level calculation</td>
</tr>
<tr>
<td>16.10</td>
<td>Fire Service perspective</td>
</tr>
<tr>
<td>17.00</td>
<td>End of day two</td>
</tr>
</tbody>
</table>

**WEDNESDAY 4 DECEMBER 2019**

**Smoke Control Systems (Ventilation and Pressurisation)**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08.45</td>
<td>Registration and coffee</td>
</tr>
<tr>
<td>09.00</td>
<td>Smoke production and methods of control</td>
</tr>
<tr>
<td>09.40</td>
<td>Smoke control using applied airflow and pressure differentials</td>
</tr>
<tr>
<td>10.20</td>
<td>Coffee</td>
</tr>
<tr>
<td>10.35</td>
<td>Smoke control for abia and large enclosures</td>
</tr>
</tbody>
</table>

**What our previous delegates say:**

"Excellent course for Fire Safety Design, strategic approaches, key pieces of legislation and methods for identification and quantification of hazard and risk." - Cyprus Fire Service

"Great overview on a range of fire safety aspects. I have thoroughly enjoyed the course and would recommend for anyone new to the fire related industry." - Ove Arup & Partners Ltd

"An excellent course which blended all aspects of fire safety design to inform all practitioners, regardless of discipline. This course would benefit building managers, systems installation designers and regulators." - Greater Manchester Fire and Rescue Service

A full course programme including detailed presentation descriptions can be viewed on the course webpage at: www.engineering.leeds.ac.uk/short-courses
Further information

Venue
The venue for the course will be Weetwood Hall Conference Centre and Hotel which offers first-class hotel facilities, a business centre and ample parking facilities. Weetwood Hall is an award winning, flexible conference centre and hotel in the north of England.

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 fees
The following course fees include the cost of tuition, course materials, lunches and light refreshments for the days of attendance:

Full five days £1595
Any one day £410

IFE members
Delegates who are a member of the Institution of Fire Engineers (IFE) will receive a 15% discount on the course fee. Please indicate when booking if you are a member, stating your IFE membership number.

IFE member full five days £1355.75
IFE member one day £348.50

Accommodation
Bed and breakfast accommodation is available at the course venue, Weetwood Hall Conference Centre and Hotel.

We have negotiated the following special rates per night for our delegates:

Friday – Sunday evening, bed and breakfast £82
Monday – Thursday evening, bed and breakfast £86

To take advantage of the special rates we have negotiated with the hotel for our course delegates, please book by contacting the hotel direct on

T: 0113 230 6000 (Emma Barker)
E: reservations@weetwood.co.uk

Please quote “University of Leeds CPD Unit” and the course name when contacting Weetwood Hall to book accommodation.

Please note that accommodation bookings must be made two weeks before the course commences at the latest to qualify for the special rates and to guarantee room availability. Any accommodation requests after this date will be subject to availability and rates. A list of alternative hotels is available on request. Delegates are responsible for their own evening meals except on Monday 2 December when the course dinner is included.

How to book
Booking for this course should be completed through our secure Online Store. To complete your booking please follow the instructions below:

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 Faculty of Engineering
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

Course dinner
The course dinner will be held at a Leeds city centre restaurant and is included in the course fee. This will take place on Monday evening and transport from and to Weetwood Hall Hotel is provided. The dress code is smart casual. 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.

For online booking queries and for all other enquiries please contact:

Katie Warner
CPD, Conference & Events Coordinator
CPD, Conference & 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 8104
E: cpd@engineering.leeds.ac.uk
W: www.engineering.leeds.ac.uk/short-courses
 Twitter @LeedsUniCPD
 CPD, Conference and Events Unit, University of Leeds

Terms and conditions for booking
Payment in full should accompany your booking. The course fee is exempt from VAT. Fees 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 details to provide information on our CPD courses and relevant engineering events. We will not pass your details to any other organisations. You can unsubscribe at any time by emailing us at cpd@engineering.leeds.ac.uk and your details will be removed from our database.