

Short Courses for Industry

Human Error & Human Behaviour



Behavioural safety is fast becoming the number 1 priority for industry today. The majority of industrial incidents are caused by human error. This four-day course concentrates on how human error and behaviour affect the design and running of industrial processes.

Designed for people employed in industry, it is of particular interest for those with responsibility for safety. It is also suitable for people involved in risk assessment, managers, safety professionals, shift supervisors, process engineers, and process chemists. Those who wish to develop their professional understanding of human error in production and safety will find this course beneficial.

The course

This four-day short course is one of a number run by the Department of Chemical and Process Engineering. You will be trained by experts from industry, specialists in health and safety training and staff from the University of Sheffield.

The course is a mixture of lectures and multi-media presentations as well as interactive workshops and real-life case-studies.

Fees

The cost of this four-day course is £1000 per person.

Venue

The course takes place in Mappin Hall at the University of Sheffield

Date

Course Content

- **Human factors** — how this concept is becoming much more important to bodies such as the Health & Safety Executive (HSE)
- **Human and system-induced error** — slips, mistakes and violations
- **Rules, procedures and violations** — common reasons for procedural violations and reasons why procedures are not used
- **Learning lessons from accidents** — includes root cause analysis, causal tree analysis and near-miss reporting
- **Addressing systematic causes** — how to predict, identify and fix systematic causes of accidents
- **Communication and shift hand-over** — the most effective methods to use when communicating information during a shift hand-over
- **CARMAN** — Consensus-based Approach to Risk Management
- **Task Error Assessment Methods** — criticality Analysis, HTA (Hierarchical Task Analysis), PHEA (Predictive Human Error Analysis), event trees
- **Human error quantification** — expert judgement-based methods, database techniques, model-based techniques



The University of Sheffield

Department of Chemical and Process Engineering
Engineering from Molecules



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- Please register me for the above short course on

_____ (date)

The fee includes refreshments, course lecture notes and hand-outs.

- Please send details of future course dates

Name: _____

Job Title: _____

Company/Organisation: _____

Address: _____

Country: _____

Tel: _____

Fax: _____

E-mail: _____

Please indicate if you have any special needs or dietary requirements:

Please tick as appropriate:

- I enclose a cheque for £1000 (payable to "University of Sheffield")
- Please invoice me for £1000 prior to the course
(please supply purchase order number: _____)
- Please send me details of other four-day courses run by
Department of Chemical and Process Engineering
- Please send me details of the MSc(Eng) "Process Safety and Loss Prevention"

Send this form to:

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