

What's the purpose?

The purpose of this course is to explain how an understanding of human abilities, limitations and needs can be applied to the design and assessment of tasks, equipment, systems and processes, in order to reduce human error, improve safety and increase efficiency. It also highlights how and why human errors occur, and describes the methods, tools and techniques that can be used to identify, analyse and reduce them. Key Human Factors tools and methodologies will be demonstrated through the use of real-world practical examples from high hazard industries.

Who is this for?

Managers, supervisors and HSE professionals.

What does it cover?

- Introduction to Human Factors
- Human Factors Integration (HFI)
- Human Factors support to the design lifecycle for high hazard industries
- Defining human error
- Human error and violations
- Human Reliability Analysis (HRA)

After completing the course you should be able to:

1. Analyse the role of HF in systems engineering in order to achieve safe and effective designs, systems and processes
2. Evaluate the human characteristics which influence a user's experience of the workplace environment to ensure it is comfortable, healthy, safe and effective (accounting for physical and psychological capabilities and limitations)
3. Evaluate human error types (including violation) and their potential causes
4. Appraise human reliability and performance using appropriate methods in order to develop measures to reduce the likelihood of human error

	Hours	Delivery methods	
		Face-to-face	Distance learning
Postgraduate	80	2 days, followed by assessment	8 weeks' duration
Risktec CPD	20	2 days, followed by assessment	8 weeks' duration
Attendance only	15	2 days	---

If you are a corporate client and would like a customised delivery, please contact the training team to discuss your requirements.

What prior study is recommended?

Education, skills or experience equivalent to undergraduate level. Risktec course: Principles of Risk Management.