



SAFETY CASE

LEARNING OUTCOMES



Determine a proportionate risk-informed scope of work and strategy to integrate human factors into the Safety Case.



Apply human factors tools and techniques to analyse activities in order to identify human tasks important to safety and human actions that could initiate, aggravate or control hazards for further analysis.



Identify and justify the selection of human related safety measures.



Evaluate whether tasks important to safety and human failures are appropriately identified, modelled and captured in fault and consequence modelling.



Analyse the task to identify the human failures, their frequency and the performance shaping factors.



Substantiate the tasks important to safety and justify their feasibility and reliability in line with the safety case to support the demonstration of ALARP.

UNIT BREAKDOWN

Unit	Foundation Certificate (L1)	Higher Certificate (L2)	Advanced Certificate (L3)
An Introduction to Human Factors in Nuclear	✓	✓	✓
Introduction to Human Physical Attributes	✓	✓	✓
Introduction to Psychology	✓	✓	✓
An Introduction to Performance Shaping Factors	✓	✓	✓
Introduction to Human Factors Tools and Techniques	✓	✓	✓
Foundations of Nuclear Safety Management and the Human Factors Contribution	✓	✓	✓
Human Factors Integration		✓	✓
Identifying Tasks Important to Safety		✓	✓
Analysis of Tasks Important to Safety		✓	✓
Substantiation and Human Reliability Analysis		✓	✓
Safety Cases review and production of a HFIP			✓
Human Factors Modelling in Safety Case			✓
Substantiation of Human-Based Claims			✓