

Process Safety Management & Loss Prevention



Unit Code: CPE 6270

Improvements in safety are necessary year-on-year at chemical, process, nuclear or off-shore plants. This course will show you how to improve safety through integrating risk assessments, safety management systems and a safety culture.

Course Content

- **Risk assessment and land use planning** — risks of developing land near a potential major hazard site
- **RISKPLOT** — hands-on experience in the use of a software tool that can be used to graphically represent the scale of the hazard
- **Management measures to prevent major accidents** — Major Accident Prevention Policy (MAPP) and Safety Management Systems (SMS)
- **SMS and COMAH Safety Reports**
- **Successful health and safety management**
- **Lessons from losses in oil, gas and petrochemical industries**
- **Insuring major chemical hazards**
- **The need to manage safely** — the HSE's view
- **Policy, organisation and safety culture**
- **How to audit effectively**
- **Risk ranking techniques**
- **Integrating risk assessments and safety management systems** — how to close the "loop"

