



Environmental Issues - Taking the Lead in Environmental Management

With academic support, this self-paced course will develop an understanding of the purpose of environmental permitting, certification, common environmental legalisations, and establishing an effective environmental management system. Ultimately, this greater understanding will allow staff to fulfil their role with greater proficiency and expertise.

Who Should Attend

The environmental issue course is aimed at individuals, including engineers, designers, managers, team leaders, and health and safety professionals working in industries/businesses with responsibilities towards environmental impact.

Learning Outcomes

After completing this course, delegates will demonstrate improved knowledge and increased understanding of various interacting and complex environmental concerns. In general, participants will:

- Understand common environmental legislation
- Appreciate key environmental policies from an economic, political and social viewpoint
- Understand the requirements for an environmental permitting regime
- Reflet critically about their roles and identities as citizens, consumers and environmental actors
- Appreciate key concepts and methods of implementing an environmental management system

Course Programme

- Pollution and sources
- Pollution control
- Health effects
- Climate Change
- Greenhouse effect
- Ozone
- Legislation i.e. REACH, IED, COMAH, RHOS etc.
- Carbon emissions trading
- Air quality, waste management and use of freshwater resource

- Corporate social responsibility (CSR)
- Environmental Management System (EMS – ISO14001)
- Circular Economy
- Energy and fossil fuels reliance
- Carbon capture usage and storage
- Hydrogen economy
- Biomimicry
- Study of technologies used to address emissions in the steel industry to air, land and water

Course Delivery

The course is conveniently delivered through Swansea University's Learning Management System, Canvas, providing a seamless online learning experience. Students are granted a generous three-month period to complete the course, allowing for personalised learning at their own preferred pace.

Throughout the course, participants will engage in three progressive assessment quizzes, complemented by a comprehensive final written assessment that culminates their learning journey. All assessments are conveniently submitted through the secure and user-friendly platform, Canvas.

To ensure a supportive and enriching learning environment, expert guidance and assistance are readily available from our project lecturers and dedicated learning technologists. These experienced professionals can be easily reached through Canvas or via email.

Website: now-switch.wales/netzeroskills/

Email: fse-netzeroskills@swansea.ac.uk

