

Day 1

Module 1: Contaminant Characterisation

Introduction to geology
Introduction to Environmental chemistry
Environmental contamination
Ecotoxicology/ Bioavailability

Module 2: Environmental Contamination

Introduction to Brownfield sites and land contamination
Introduction to contaminated land
An Introduction to Brownfield Site Investigation and Conceptual model

Day 2

Module 3: CL:AIRE

Module 4: Remediation Technologies

Remediation technologies (Dunton)
Sampling for Day 3

Day 3

Module 5

Site Investigation, RA&MS, Phase 1&2 surveys

Day 4

Module 6: Results analysis and discussion, EIA assessment, characterisation of contamination

Day 5

Module 7: Site visit

Debrief
Assessing remediation technology required
Cost-benefit analyses
EIA conclusions

Day 6

Module 8A: Environmental Legislation

Intro to UK environmental Legislation
Intro to International regulations
End of Waste

Module 8B: International brownfield case studies

Brownfield institute

Day 7

Module 9: Circular Economy and brown-field regeneration

Circular economy
Cradle to grave
Recycling and waste hierarchy
Carbon Footprinting

Module 10: Remediation Technologies

Remediation technologies (Dunton)
Innovation in the remediation and recycling industry– building blocks case study

Day 8

Module 11: Laboratory day

Bioavailability and bioaccessibility of contaminants analysis.

Day 9

Module 12:

Dunton– site day/ Claire part 2

Day 10

Module 13-

Debrief and assessment

Certificates and Closing