



Masters (MRes) in Contaminated Land Management

www.nottingham.ac.uk/pgstudy/geography



This cutting edge part-time masters programme significantly enhances the skills and knowledge of practitioners in risk-based contaminated land management but with only 8 weeks away from work over 2 years.

Nottingham is a world-leading University that encourages high quality curiosity-driven and relevant research. The programme director, Professor Paul Nathanail, has long been at the cutting edge of contaminated land management research and practice. He also co-directs CABERNET Europe's multi-disciplinary network on sustainable brownfield regeneration and urban land management.

Since 1997, delegates from regulatory, government, consultancy and land-owner backgrounds have benefitted from this unique course comprising technical modules, professional skills components and a work related dissertation. All study is also supported by distance learning and web based training.

Delegates will develop key skills and knowledge that can be directly applied in their day-to-day work and gain an excellent internationally acclaimed masters degree without having to be away from their workplace for a substantial period.

All delegates are in current employment. Employers with delegates on the programme will benefit significantly from the knowledge and expertise that is reinvested back into their organisations.

Whilst the programme is geared to the needs of UK practitioners, it is also relevant and immediately applicable to other European and international contexts. Potential delegates from any country should contact the School to ensure their needs will be fully met.

Masters (MRes) in Contaminated Land Management

Course structure

The programme requires eight weeks of attendance over a two year period and comprises six technical modules, a series of professional skills courses, completion of distance learning and a dissertation, usually based on a work related issue. Modules are delivered in week-long blocks preceded by distance learning and web based training.

Modules cover:

- Site Characterisation
- Risk Assessment
- Remediation
- Sustainable Urban Regeneration

Site Characterisation: You will become familiar with key information on site investigation and analytical methods, sources of information and legal & regulatory requirements. You will build your skills in developing conceptual models of contaminant sources, pathways and receptors, designing investigations and interpreting information.

Risk Assessment: You will follow internationally accepted principles of tiered risk assessment involving qualitative followed by generic and detailed quantitative risk assessments. You will learn chronic and acute human health risk assessment as well as groundwater and ecological risk assessment and develop your ability to use industry standard risk assessment models.

Remediation: You will learn about commercially available civil engineering, physical, biological, chemical and thermal in situ and ex situ remediation technologies then practice the selection of remediation strategies to demonstrably break pollutant linkages.

Sustainable Urban Regeneration: You will explore regeneration of brownfield sites and how the social, economic, environmental and institutional dimensions of sustainability impinge on redevelopment processes.

A one week study tour, normally to the USA, is an integral part of the programme. Delegates are exposed to a different regulatory regime and novel technologies, allowing comparisons with current practices at home. Fees cover travel and accommodation costs.

Assessment

Assessment is by module coursework and exams as well as the completion of a thesis.

Facilities and resources

Delegates have access to state-of-the-art teaching, learning and research facilities. The School of Geography offers the David Ebdon Computing Laboratory and Edwards Resource Centre providing networked computing, printing and photocopying facilities. Delegates receive a personal copy of Professor Nathanail's *Contaminated Land Ready Reference* and *Reclamation of Contaminated Land* as well as other key technical guidance.

Entry requirements

Delegates should be working in the contaminated land management sector and usually have a first degree or equivalent international qualification in a relevant science, engineering or other subject.

Those whose first language is not English must provide recent evidence of a suitable level of proficiency; further details are available on request.

The award

This programme leads to the award of the Master by Research in Contaminated Land Management.

Applications

Candidates are encouraged to apply online at:
<https://pgapps.nottingham.ac.uk>

Details of the School, staff, facilities and resources can be found on the School website:

www.nottingham.ac.uk/geography

Enquiries

For further information please contact Professor Nathanail (paul@lqm.co.uk) or:

Postgraduate Administrator

School of Geography
Sir Clive Granger Building
The University of Nottingham
University Park
Nottingham NG7 2RD

t: +44(0) 115 951 5575

f: +44(0) 115 951 5249

e: pgadmissions@geography.nottingham.ac.uk

w: www.nottingham.ac.uk/pgstudy/geography