



## UTS:SCIENCE PROFESSIONAL DEVELOPMENT

### CONTAMINATED SITE ASSESSMENT, REMEDIATION AND MANAGEMENT: SHORT COURSES FOR ENVIRONMENTAL PROFESSIONALS – MODULE C

#### ABOUT SHORT COURSES

The Faculty of Science is presenting this series of short courses for professionals in the area of contaminated site assessment, remediation and management (CSARM).

This initiative has the support of the Department of Environmental Sciences, the NSW Department of Environment and Climate Change (DECC) and industry consultants.

This program will enable participants to update their specific area of expertise, to extend their knowledge base and to network with colleagues in industry and government.

#### SHORT COURSE OUTCOMES

Updated understanding of:

- > Legislative framework, CLMA Act 2008
- > Guidelines & Applications
- > Designing sampling strategies
- > Contaminant fate and transport
- > Human & ecological toxicology
- > ERAs for decision making
- > Effective report writing
- > Remediation approaches

#### MODULE C –

##### Contaminants of Concern

**Date:** Thursday 2nd July –  
Saturday 4th July 2009

#### TARGET AUDIENCE

- > Environmental professionals
- > Environmental officers from all levels of government
- > Contaminated site consultants
- > Environmental engineers
- > Project managers
- > Science and engineering graduates interested in entering this field

Participants will learn why it is essential to characterise chemical contaminants in both soils and waters.

Approaches to identifying and dealing with chemicals of environmental concern at contaminated sites, will be covered in the context of the new CLMA Act 2008.

#### PROGRAM

##### Day 1

- > Introduction to contaminant groups
- > Chemical properties of contaminant groups
- > Site visit to demonstrate material collection issues

##### Day 2

- > Instrumentation in laboratory and field
- > Analysis of material from site collection
- > Investigation of groundwater contamination

##### Day 3

- > Standard methods
- > QA/QC considerations
- > Future directions and methodologies

#### TO REGISTER ONLINE GO TO:

[www.science.uts.edu.au](http://www.science.uts.edu.au)

#### FURTHER INFORMATION

And to be put on our mailing list contact  
[marea.martlew@uts.edu.au](mailto:marea.martlew@uts.edu.au)  
+61 2 9514 1766

#### FORMAT

Each module runs for 3 days and includes online preliminary work, lectures, laboratory sessions/site visits and case study analyses. You are free to choose the modules you feel will be of most benefit. Certificates of Attendance will be awarded for each module. A follow-up work segment is offered for participants wishing to receive a Certificate of Completion for the module. Completion of modules may count towards a tertiary qualification or industry accreditation.

#### PREREQUISITES

This series is designed for the professional development of scientists, engineers and managers working in field of contaminated sites or those who have an interest in working in this field.

#### FUTURE MODULES

Other modules to be presented later on in 2009:

- > **D:** Contaminants Cause Harm  
13th – 15th August
- > **E:** Risk-based Site Assessment  
24th – 26th September
- > **F:** Remediation Principles and Effective Site Reporting  
12th – 14th November

#### PRESENTERS

include UTS academics, DECC and CSIRO officers, industry practitioners, experts in environmental law.

#### VENUE

UTS Faculty of Science  
Building 4, Harris Street, Ultimo

#### COST

**Module B:** \$1450 (incl of GST)  
Early Bird, Group and UTS Alumni  
Discounts available

