



UTS:SCIENCE PROFESSIONAL DEVELOPMENT

CONTAMINATED SITE ASSESSMENT, REMEDIATION AND MANAGEMENT: A SERIES OF SHORT COURSES FOR ENVIRONMENTAL PROFESSIONALS

ABOUT

The Faculty of Science through its external engagement program is presenting this series of short courses for professionals in the area of contaminated site assessment, remediation and management (CSARM). The Department of Environmental Sciences is developing this program with the support of NSW Department of Environment and Climate Change (DECC) and industry consultants. The comprehensive 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 in this complex field of environmental management.

COURSE OUTCOMES

- > Understanding CSARM legislative framework for professional practice
- > Understanding Guidelines, Measures and their applications
- > Designing site sampling strategy and report writing
- > Familiarity with the processes and steps in contaminated site assessments
- > Understanding the principles of risk factors, human and ecological toxicology, soil science and hydrogeology
- > Understanding the application of environmental chemistry in site & risk assessment
- > Understanding contemporary approaches to remediation

TARGET AUDIENCE

- > Environmental professionals
- > Contaminated site consultants
- > Environmental engineers
- > Environmental officers in government and industry
- > Science and engineering graduates interested in entering this field

FOUNDATION MODULE A – ESSENTIALS FOR CSARM PROFESSIONALS

Date: Thursday 5th- Saturday 7th
February 2009

This module provides an overview of national and international contaminated site management concerns and approaches in general, and in NSW in particular. The understanding derived from this module provides a reference point for subsequent modules. It is therefore recommended that this module be used as foundation for any other modules you select.

PROGRAM

On-line preliminary work – to be advised on registration

Day 1

- > International overview
- > Australian and NSW legislative framework
- > Legislation, regulations and guidelines
- > Legislation and policy
- > Putting Acts into practice

Day 2

- > Current NSW approaches to CSARM
- > Four case studies for analysis and discussion

Day 3

- > Future directions for sustainable re-use and management of contaminated sites
- > Risk framework
- > Integration of components of contaminated site assessments

FORMAT

The 3 day format includes lectures, laboratory sessions, site visits and case study analysis. The completion of all stand-alone modules may count towards a tertiary qualification or industry accreditation. Certificates of Attendance will be awarded however, for participants wishing to receive a Certificate of Completion a follow-up work segment is offered.

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 in 2009:

- > B: Planning Effective Site Assessment
- > C: Identifying Contaminants of Concern
- > D: Contaminant Hydrogeology – Fate & Transport
- > E: Contaminants & Risk Factors
- > F: Risk-Based Site Assessment
- > G: Reporting Site Assessments
- > H: Remediation Principles and Responsibilities

PRESENTERS

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

VENUE

UTS Faculty of Science
Building 4, Harris Street Ultimo

COST

Each module: \$1650 (GST incl), Alumni, Early Bird and Group discount \$1400 (GST incl)

TO REGISTER ONLINE GO TO:

www.science.uts.edu.au

FURTHER INFORMATION

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