

# Contaminated site assessment remediation and management

## Want to kickstart your Contaminated Site Consultant Certification?

## Are you planning to take your professional career to the next level?

## Want to enhance your skills with practical, relevant CPD?

Developed with the support of the NSW EPA, with speakers closely involved with development of the relevant up-to-date guidelines, these CSARM short courses will:

- Enhance your knowledge, update your skills
- Build capacity within your organisation and
- Provide you with an advantage in your career progression

### You should attend if you are

- An environmental scientist, engineer, manager or consultant
- Aspiring to become a site auditor or contaminated site consultant, as part of your career development
- An environmental professional changing career direction
- A professional in an allied discipline

### These courses will

- Give advance information on changes to guidelines and regulation
- Provide information on current best practice and legislative and policy requirements
- Enhance your learning through interactive teaching modes such as workshopping, case study analyses and site visits
- Concentrate module presentation into 2.5/3 days AND provide an online study platform to deepen your knowledge in your own time
- Give insight into professional best practice, each module contributing a minimum of 35 hours of CPD

### At a glance

#### Five self-contained modules presented throughout 2019 will address

- Legal and regulatory requirements governing contaminated site assessment, remediation and management, including new relevant up-to-date guidelines
- Site assessment requirements, sampling design and risk assessment approaches to investigation, remediation plans
- Reporting obligations and defensible reporting skills
- Scientific and technical upskilling in areas of contaminant chemistry and toxicity, and human health and ecological risk assessment

### Course recognition

- A UTS Certificate of Attendance OR Certificate of Completion (on completion of post-module work)
- Recognition of prior learning for MSc by coursework
- Credit towards consultant certification programs - CEnvP Site Contamination (SC) Scheme and Soil Science Australia (CPSS) and Engineers Australia and EIANZ CPD programs.

### Fees

Fees include lunches and refreshments, notes and tuition and site visits.

Registration Category	Module	Cost \$ per module
Full	A, B,E,F/C&D	1760/2000
Early Bird	A, B,E,F/C&D	1600/1820
Multiple Module/ UTS Alumni/ Professional Society	A, B,E,F/C&D	1531/1740

- Early bird – at least 2 weeks prior, 9% discount
- Multiple modules (at the same time) – 13% discount
- UTS Alumni (13% discount), proof of status to be provided to Dr Alex Pulkownik
- Professional society discount (13%) for members of AGLA, Soil Science Australia, EIANZ, proof of status to be provided to Dr Alex Pulkownik

### More Information

- 2019 Program
- Individual modules
- UTS MSc by coursework

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

Or contact Dr Alex Pulkownik

+61 0419 253 069

[alex.pulkownik@uts.edu.au](mailto:alex.pulkownik@uts.edu.au)

**Disclaimer:** The information in this brochure is correct as of October 2019. Changes in circumstances after this date may alter the accuracy or currency of the information. UTS reserves the right to alter any matter described in this brochure without notice. Readers are responsible for verifying information that pertains to them by contacting the University.

# Program of Modules for 2019

Each module – presented by a panel comprising regulators from EPA, site auditors, industry specialists, CSIRO and academics from UTS and other universities – uses a mix of workshops, lectures, site visits and case studies.

All modules deal with relevant up-to-date guidelines including professional competency standards.  
Each module contributes minimum 35 hours CPD.

## Module A Ground rules for contaminated Sites 13 – 15 February

### Topics

- Legal and regulatory responsibilities of professionals working on contaminated sites
- In depth discussions on implications of CLM Act to regulation and guidelines
- Understanding the driving forces in CSARM, Relevant up-to-date

### Features

- Case studies to illustrate applications of concepts
- Workshop and professional panel discussion

## Module B Effective Site Assessment 3 – 5 April

### Topics

- Purposes & practice of site assessment
- Design of field assessment and principles of field sampling
- Assessment of vapours and groundwater contamination
- Uncertainty of results and non-technical issues

### Features

- Development of Conceptual Site Maps and Data Quality Objectives
- Workshops and case studies

## Module C & D Assessment of Contaminants of Concern 29 – 31 May

### Topics

- Regulatory drivers for investigating contamination
- Major groups of COCs, their behaviour in a range of media, persistence and transformations
- Emerging COCs
- Human and ecological toxicology in site assessment
- Sampling quality issues and interpretation of laboratory results
- Groundwater and soil contaminants

### Features

- Evaluation of human toxicity data and of risk-of-harm estimate calculations
- Chain of custody issues
- Site visit to environmental laboratory



## Module E Risk-Based Site Assessment 11 – 13 September

### Topics

- Risk assessment principles
- Risk assessment as a tool for site assessment and application of guidelines
- Human health risk assessment and ecological risk assessment

### Features

- Workshops on application of EILs & HHRA
- Auditor symposium
- Site visit

## Module F Remediation Principles and Closure 6 – 8 November

### Topics

- Regulatory principles in remediation
- Sustainable remediation
- Risk assessment in remediation
- Remediation of different media
- Development of Remediation Action Plans
- Defensible reporting

### Features

- Workshop on risk assessment and numerous case studies
- Professional reporting and legal responsibilities



## What participants say they like about the courses

“The practical tips to use in my everyday job.”

“The diverse range of presenters with high levels of knowledge and experience.”

“Great overview of regulation, guidelines and practical application and implications for contaminated sites from planning to assessment to remediation and management.”

“The workshops and real situations explained by the lecturers.”

“To listen to the site auditors give their experience and insight.”