



Course Syllabus

Contaminated Site Fundamentals – From Investigation Through Closure

Seven weekly webinar lectures and tutorial sessions

Tuesdays 9 AM to Noon Pacific – Zoom Lecture

Friday 10 to 11 am – Zoom Tutorial

Starting February 22, 2022

For more information or to register go to: geoenviropo.com

Course Description

We've re-engineered our ONLINE training course in a new and interactive format that will challenge your abilities, keeping you engaged and wanting more! We'll cover the fundamentals of contaminated sites science, engineering and regulation for 28 hours of professional development, including virtual class time with instructors, tutorials, and team assignments. Our contaminated sites experts offer decades of practical hands-on experience, providing you an opportunity for practical training through real life examples. Here's what you get:

- Live on-line workshop sessions
- Interactive chats and Q&A
- Take-home group exercises and report-back
- Virtual demos of field methods
- Forum for communication
- Recorded sessions
- 28 hours Professional Development hours
- Certificate of Course Completion

This course will benefit aspiring professionals and new graduates, as well as project managers and others interested in understanding the fundamentals of Contaminated Sites management and restoration

- Environmental Consultants
- Industry Representatives
- Provincial and Federal Regulators
- Municipal Engineers and Environmental Scientists
- Risk Assessment Specialists

Course Goals

Students who complete this course successfully will be able to:

- Understand key scientific principles
- Know the investigation and remediation process
- Apply applicable field methods
- Interpret site conditions
- Report results
- Identify key regulatory requirements



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- Be familiar with site remediation planning and options

Required Texts, Materials, or Equipment:

- Reference materials and PDFs of hand outs will be made available following registration
- Participants are expected to have a personal computer with access to Zoom

Work/Homework

Working in assigned teams of 3 to 5, participants will complete weekly assignments, which are designed to apply new concepts to realistic situations and data sets. In addition, video lecturettes and documents will be made available for viewing and review in preparation for each upcoming learning module.

Class Participation

Learners are expected to participate during each learning module. The course will begin with an informal “getting to know one another” session. Each subsequent module will begin with a debrief and interactive Q&A session on the previous module and assignment. Non-mandatory tutorial sessions will be offered to answer questions and discuss assignments. Each learner will be expected to participate in the assignment debriefs and tutorials if in attendance. During live sessions, all interactions will be civil, respectful, and supportive of an inclusive learning environment. Any concerns about participation and learning dynamics can be addressed to info@geoenviropro.com

Course Completion and Certificates

Upon successful completion of the course, including documented attendance at all live module sessions or viewing of recorded sessions, a Certificate of Completion will be issued to the attendee. The Certificate will include the number of professional development hours earned.

Course-Specific Support

As noted above, tutorials will be offered on a weekly basis to the participants as an informal means to answer questions and discuss assignments. The tutorials will be conducted virtually using Zoom meetings.

PROGRAM SCHEDULE – 2022

THEME	Module	TOPIC	Date and Time			Instructors
<u>Process and Science</u>	1	Contaminated Site Process; Soil Contamination Science	Lecture:	Tuesday Feb 22	9 - 12 pm	Reidar Guy
			Tutorial:	Friday Feb 25	10 - 11 am	Reidar Guy
<u>Science</u>	2	Part 1: Groundwater Contamination Science	Lecture:	Tuesday Mar 1	9 - 12 pm	Guy Ian
			Tutorial:	Friday Mar 4	10 - 11 am	Guy Ian
<u>Science</u>	3	Part 2: Continuation Groundwater + Soil Vapour Science	Lecture:	Tuesday Mar 8	9 - 12 pm	Guy Ian
			Tutorial:	Friday Mar 11	10 - 11 am	Guy Ian
<u>SPRING BREAK</u>						
<u>Field Investigation</u>	4	Site Investigation Tools and Methods	Lecture:	Tuesday Mar 22	9 - 12 pm	Ian Zahra
-			Tutorial:	Friday Mar 25	10 - 11 am	Ian Zahra
<u>Site Investigation</u>	5	Putting Knowledge into Practice – The Phased Approach to Investigation	Lecture:	Tuesday Mar 29	9 - 12 pm	Jenn Jay
			Tutorial:	Friday Apr 1	10 - 11 am	Jenn Jay
<u>Risk Assessment</u>	6	Human Health and Ecological Risk Assessment	Lecture:	Tuesday Apr 5	9 - 12 pm	Scott Jenn
			Tutorial:	Friday Apr 8	10 - 11 am	Scott Jenn
<u>Remediation</u>	7	Planning and Scoping of Remediation Options	Lecture:	Tuesday Apr 12	9 - 12 pm	Pete Guy
			Tutorial:	Thursday Apr 14	10 - 11 am	Pete Guy