

**"CONTAMINANTS HYDROGEOLOGY"**  
**(EESD02 H3-S L30)**

**Instructor:** Dr. Silviya Stefanovic

**Lecture:** Monday 7–10pm; BV355 silviya.stef

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**Phone:** 416-208-4873

**Intent of the course:**

Natural hydrochemical processes; the use of major ions, minor ions, trace metals and environmental isotopes in studying the occurrence and nature of ground water flow. Point and non-point sources of ground water contamination and the mechanisms of contaminant transport.

**Prerequisite:** At least 1 full credit in Environmental Science at the C-level.

**Breadth Requirement:** Natural Sciences

**Suggested Readings:**

“Contaminant Hydrogeology”, C. W. Fetter, 2008, 2nd Edition, Prentice Hall.

**Lecture notes:**

The lecture slides will be posted in \*.pdf format on the Blackboard. You will require Adobe Reader to open the files (available free of charge at [www.adobe.com](http://www.adobe.com)).

**Course email policy:**

Email is not an effective way of teaching and email inquiries regarding course materials will not be answered. Dr. Stefanovic will be available during designated office hours to answer questions regarding course material. If you have questions, then please see instructor during office hours – this time is for you so please do not hesitate to use it.

**Grading:**

Assignments (3)	40% (10+15+15 %)
Seminar	15%
Participation	5%
Final Examination:	40%

**Assignments:**

You will have three group assignments (maximum 3 students per group) during the term. You will be able to access the problem sheets on the Blackboard at the times detailed below. More details on the assignments will be circulated during the term.

<i>Topic</i>	<i>On the Blackboard</i>	<i>Submission Due</i>
Assignment #1	Jan.26 <sup>th</sup>	Feb.2 <sup>rd</sup>
Assignment #2	Feb.9 <sup>th</sup>	Mar. 2 <sup>rd</sup>
Assignment #3	Mar.2 <sup>rd</sup>	Mar.16 <sup>th</sup>

**Seminar:**

Teams of maximum two students will each be assigned a specific subsection of the studied major contaminant hydrogeology area. Each team will need to review at least ONE