Office hours: to be announced OR by appointment (email at least 24 hours in advance for an appointment)

LECTURE: Thursdays from 10am-12pm in room BV 340

COURSE DESCRIPTION
This course will present fundamental chemical concepts and reactions that occur in soils with emphasis on contaminant behavior. Students will learn the basics of soil chemistry and how these processes relate to quantities, attenuation, sequestration, and movement of ions, heavy metals, and organic molecules in terrestrial environments.

COURSE PREREQUISITES
Students must have successfully completed **EESB05** (Principles of Soil Science) *oe 17 sA- T1 1 Tf0.000

"Environmental Soil Chemistry", second edition. 2003. Donald L. Sparks. Academic Press, USA (available from the UTScarborough bookstore).

GRADE BREAKDOWN

Computer modeling assignment (Due: Oct 16th)	**15%**
Method of Analysis discovery assignment (Due: Nov 6th)	**15%**
Contaminants in Soil discovery assignment (Due: Nov 27th)	**15%**
Midterm Test (Oct 30th)	**20%**
Comprehensive Final Exam	**35%**

LECTURE NOTES
Lecture notes are available via the intranet. Files are posted in *.pdf format and you will require Adobe Reader to open the files (available free of charge at www.adobe.com).

COURSE EMAIL POLICY
Email is not an effective way of teaching. Email inquiries regarding course materials will not be answered. If you have questions, then please come and see me during office hours or make an appointment to see me.

NOTES:
Late assignments will not be accepted and assigned a grade of zero.

Plagiarism will not be tolerated. Students are expected to submit **individual work** for grading. It is an academic offense to plagiarize and those who do, will be subjected to University procedures.

LECTURE SCHEDULE

Date	Topic	Associated Readings in Textbook
September 11		