

Laboratories: Tuesdays 1-3. Laboratories are mainly computer-based modeling exercises designed to increase your understanding of the basic processes controlling the fate and transport of contaminants in groundwater. Labs will meet in the computer lab, Room 103 Shideler, although we may sometimes start out in the conference room in 113B. Labs are scheduled for approximately two hours and will require additional time to complete during the week. Here is the planned schedule:

<i>Week and Date</i>	<i>Assignment or Exam</i>	<i>Approx. Due Date</i>
Week 1, August 24	No lab	None
Week 2, August 31	1. Calculus review and Darcy's law	Sept. 8
Week 3, Date to be announced	2. Groundwater velocity & advection	Sept. 14
Week 4, September 14	3. Advection and dispersion	Sept. 21
Week 5, September 21	4. Macroscale dispersion	Sept. 28
<i>Week and Date</i>	<i>Assignment or Exam</i>	<i>Approx. Due Date</i>
Week 6, September 28	5. The two-region model	Oct. 5
Week 7, October 5	Exam 1	
Week 8, October 12	6. Transport with decay	Oct. 19
Week 9, October 19	7. Transport with biodegradation	Oct. 26
Week 10, October 26	8. Transport with sorption	Nov. 9
Week 11, November 2	Video: <i>The Poisoned Dream: The Love Canal Nightmare</i>	
Week 12, November 9	9. Site evaluation: geologic interpretation	Dec. 10
Week 13, November 16	Exam 2	
Week 14, November 23	10. Site evaluation: plume & water level maps	Dec. 10
Week 15, November 30	Assignments 9 and 10	Dec. 10
Week 16, December 7	Assignments 9 and 10	Dec. 10