

GEOHYDROLOGY SCHEDULE -- 2003

Monday 1:25 to 3:20			Wednesday 1:25 to 5:30			SATURDAY
January	13	Introduction to the hydrologic cycle Class procedures <i>Setup e-mail list</i>	January	15	Group work - hydrologic cycle calculation exercise	
January	20	MARTIN LUTHER KING DAY NO CLASS	January	22	Methods for basin-wide precipitation analysis <i>Read D+L Chapter 1 and 2</i>	
January	27	Precipitation and infiltration flow paths and runoff <i>Read D+L Chapter 6 and 9</i> Lake Trip intro to equipment and procedures	January	29	Lake FIELDTRIP LONG DAY MAY NOT BE BACK UNTIL 6 PM <i>Read Manual Field Hydro Chapter 2 and p. 87-89</i>	
February	3	Lake trip data reduction	February	5	Precipitation Frequency Analysis <i>Review D+L Chapter 2 and 3</i>	
February	10	Snow Hydrology and snow character, metamorphism and avalanche hazard - warm up on snow kits, avalanche video <i>Read Xerox from Avalanche Handbook, Chap 2+3</i> <i>Read Snow Sense - whole book; Read D+L Chapter 13</i> HAND IN LAKE REPORT AT START OF CLASS	February	12	----- (NO CLASS, PAUL IN LA WITH PREZ)-----	15-Feb Snow trip 8:00-5:00
February	17	----- (NO CLASS, PRESIDENTS DAY)-----	February	19	Snow trip data reduction LAKE REPORT HAND BACK	
February	24	Snow melt hydrology exercise <i>Review D+L Chapter 13</i>	February	26	Snow trip melt model - in class calculations	
March	3	Hydrographs -- their meaning and analysis Flood frequency analysis <i>Read D+L, Chapter 10; read Chapter 11</i>	March	5	Vermont run-off/basin area exercise DRAFT SNOW REPORT DUE Read D+L, Chapter 11	
March	10	Ground water basics <i>Read D+L, Chapter 7 and Read Manual Field Hydro, Chapter 4</i>	March	12	HAND BACK DRAFT SNOW REPORTS - sign up for times	
March	17	----- (NO CLASS, Spring BREAK)-----	March	19	----- (NO CLASS, Spring BREAK)-----	
March	24	Flow equations and pumping tests Point and pumping test data reduction <i>Read Manual Field Hydro, Chapter 5</i>	March	26	Flownets and flow demonstrators <i>Review D+L Chapter 7</i> <i>Read Manual Field Hydro, Chapter 10</i> FINAL SNOW REPORT DUE AT START OF CLASS	
March	31	Well design +installation <i>Read Manual Field Hydro, Chapters 7 and 8</i>	April	2	Darcy tube <i>Read paper by Warner</i>	
April	7	Slug tests and well measurements <i>Review Manual Field Hydro, Chapter 5</i>	April	9	Burlington field excursion w/Ray O'Connor City of Burlington Code Enforcement Officer <i>Manual Field Hydro, skim Chapter 3</i> <i>Review Manual Field Hydro Chapter 2</i>	
April	14	Urban air photo analysis	April	16	Map preparation	
April	21	Run-off, the empirical approach <i>Review D+L, Chapter 10</i>	April	23	Run off calculations	
April	28	POSTER DRAFTS DUE	April	30	Public Poster Presentation	