

Introduction of physical and chemical hydrogeology GEO 346C, Fall 2013

Actual syllabus

week	dates	topics	homework
1	29 Aug	Introduction, Hydrologic cycle, history	HW 1
2	3 Sep, 5 Sep	Matlab (Jake Jordan), Current topics (Colin McNeece)	-
3	10 Sep, 12 Sep	Hydrologic balance, Precipitation	HW 2
4	17 Sep, 19 Sep	Stream hydrographs, River hydraulics	HW 3
5	24 Sep, 26 Sep	Darcy's law, Flow potential	HW 4
6	1 Oct, 3 Oct	Elevation and pressure heads, heterogeneity	HW 5
7	8 Oct, 10 Oct	review, 1st midterm exam	
8	15 Oct, 17 Oct	Layered media and anisotropy, vectors	HW 6
9	22 Oct, 24 Oct	Darcy's law in 2D, 3 well problem	HW 7
10	29 Oct, 31 Oct	Flow nets: Topographic and regional flow	HW 8
11	5 Nov, 7 Nov	Flow nets near fractures, wells and storage	
12	12 Nov, 14 Nov	review, 2nd midterm exam	
13	19 Nov, 21 Nov	Exam solns, Transport & dispersion	HW 9
14	26 Nov, (28 Nov)	adsorption and retardation	HW 10
15 ¹	3 Dec, 5 Dec	review and evaluations Comprehensive final exam	