

Earth and Planetary Science 101/271 Syllabus and Reading Schedule

Week	SCHEDULE AND READING ASSIGNMENTS				Reading	Lecture Topics	Field area for the day and Quizzes
	Date	Area	Pages	In	Reader		
		Route		Brimhall	Paper #'s		
1:	Weds.	Jan. 23	Area EBMUD			L-1 Course outline, map and field book prep, check out equipment, use of Compass	
2:	Mon. Weds.	Jan. 28 Jan. 30	A-1 SSL	24-43 44-51	(1)	L-2 Tectonics of Coastal Calif., Surveying by Brunton and tape- L-3 Topographic maps and mapping	<i>Siesta Valley Brunton and Tape survey, Declination Fire Trail from Grizzly Peak</i> Quiz # 1 Structural data
3:	Mon. Weds.	Feb. 4 Feb. 6	C-3,4 D-5,1	52-61 62-67	(2,3) (4-9)	L-4 Tectonic controls on Neogene sedimentary basins- L-5 Depositional environment of Monterey Form.-	Claremont Canyon and <i>Grizzly Peak (GP)</i> <i>GP to HW 24 G.P-Siesta Contact</i> Quiz # 2 Time scale
4:	Mon. Weds.	Feb. 11 Feb. 13	E-4 F-6	22-23 1-21	(10,11,11A) (12,13)	L-6 Starting scientific projects, map bases L-7 Global change, sediments and unconformities-	<i>Rhyolite east from GP</i> <i>HW 24 Orinda-GP contact</i> Quiz # 3 Strike and Dip
5:	Mon. Weds.	Feb. 18 Feb. 20	G-4	68-76	(14)	President's Day- No Class L-8 General geology: a refresher	<i>Mapping Or-GP near Horseshoe turn</i>
6:	Mon. Weds.	Feb. 25 Feb. 27	H-6		(15) (15)	L-9 Cross sections- and 3-D Interpretation L-10 Introduction to digital mapping systems	<i>Rhyolite horseshoe turn to WH 24</i> Quiz # 4 Stratigraphy Use of computers in lab digitizing
7:	Mon. Weds.	Mar. 3 Mar. 5	I-1 I-1		(16-21)	No lecture L-11 GPS data collection modes, precision & accuracy	Bald Peak <i>East side of Siesta V.</i> Quiz # 5 X-section E side of Siesta Valley with digital systems
8:	Mon. Weds.	Mar. 10 Mar. 12	J-1 K & L-7		(22-24)	L-12 Earthquakes, water supply and neo-tectonics L-13 Tert. strat of the Foothills and the Calif. Gold Rush	<i>Siesta/Moraga HW 24 & Grizzly Peak Stables & Eureka Peak</i> <i>GP Stables and Eureka Peak</i>
9:	Mon. Weds.	Mar. 17 Mar. 19	N-5 N-5	77-78	(25-26)	L-14 Transition to independent digital mapping, facies changes L-15 Tertiary volcanism and tectonic controls	<i>Glorietta walk-through</i> <i>Glorietta mapping</i> with digital systems
10:	Mon. Weds.	Mar. 31 Apr. 2	N-5 N-5		(26)	No lecture No lecture	<i>Glorietta mapping</i> <i>Glorietta mapping</i>
11:	Mon. Weds.	Apr. 7 Apr. 9	N-5 N-5		(27-30)	No lecture L-16 Dacite source region	Complete <i>Glorietta mapping</i> <i>Dacite source region mapping</i>
12:	Mon. Weds.	Apr. 14 Apr. 16	Extra time in Lab digitizing map (instead of reading)			L-17 Geodetic markers No Lecture	<i>Sibley Volcano Park walk-through</i> <i>Sibley Volcano Park</i> Start Cross Section
13:	Mon. Weds.	Apr. 21 Apr. 23				No Lecture No Lecture	<i>Sibley</i> A-A' Cross section due April 21 <i>Sibley</i>
14:	Mon. Weds.	Apr. 28 Apr. 30				No Lecture No Lecture	<i>Sibley</i> <i>Sibley- last mapping day</i>
15:	Mon. Weds.	May 5 May 7				EPS 271 Lecture on writing report & advanced digital mapping	<i>Clean out lockers, collect field gear</i> <i>Note: digital maps due 11:00 pm Friday May 9th,</i>
16:	Mon.	May 12				<i>Pick up printed map and cross section Monday May 12th 9 am 345 McCone Hall</i> EPS 101/271 report is due by 5 p.m. on Friday May 16th emailed to Prof. Brimhall	