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GEOL 583 Spring, 2002

Advanced Topics in Paleo-Reefs and Mass Extinction

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DATE	TOPIC	READINGS
Jan 29	Course organization	--
31	Lecture-Intro to reefs & carbonates	Stanley Ch. 1
Feb 05	Reef classification & guilds	Fagerstrom, 91; Precht, 94
	I. Concepts and themes	
07	The role of framework in reefs	Hubbard et al., Ch. 10
12	Reefs, nutrients & global change	Hallock, Ch. 11
14	Continued	+ Schlager 81
19	Carbonate cements in reefs	Webb Ch. 5
	II. Reef Snapshots	
21	Precambrian-Paleozoic reefs	Copper, Ch. 2
26	Lower Cambrian examples	Zhuravlev, Ch. 4
28	Ordovician Reefs	Webby, 83
05	Silurian-Devonian reefs	Brunton et al., 97
07	Devonian Canning Basin reef	Playford, 80
12	Problems with Canning basin	Wood, 00; Playford et al., 01
14	Carboniferous mud mounds	West, 88; Fagerstrom, 87
19	Spring Break-no meeting	
21	Spring Break-no meeting	
26	Carb-Dev Extinction and recovery	Fagerstrom, 94
28	Permian reefs	Flügel, 94
Apr 02	Permian Guadalupian reef	Newell, Ch. 6
04	Permian reef problems	Fagerstrom & Weidlich +

			Wood
	09	Triassic reefs	Flügel and Senowbari-Daryan, Ch. 7
	11	Jurassic reefs	Leinfelder, Ch. 8
	16	Cretaceous reefs	Kauffman & Johnson, 88
	18	Late Cretaceous Caribbean region	Johnson & Kauffman, Ch. 9
	III. Other themes		
	23	Cenozoic reefs	Budd, 2000
	25	Reefs and computer databases	Kiessling, Ch. 2
May	30		
	02	Nutrients and reefs	Wood, 93; Hallock, Ch. 11
	07	Reef degradation	Hallock et al. 93; Sebens, 94
	09	Summary & the future of reefs	tba,