ESS 426. FLUVIAL GEOMORPHOLOGY 2006

LECTURE: T TH 10:30 – 11:50 LAB: M 10:30-12:20 (mainly) ROOM 022 JOHNSON HALL ROOM 117 JOHNSON HALL

[INDEPENDENT PROJECTS DUE 6/5 NOON]

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CLASS WEB SITE: http://gis.ess.washington.edu/grg/courses.html

Text: Fluvial Forms and Processes, David Knighton (1998, paperback edition)

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Date	Mtg. & Lect. #		Required Re	pading	
3/27		•	-	_	7hts 1
	1 (1)	Introduction, History, and Definitions: 1 (in Mo	<u>may lab</u>	see also C	лιрι. 1
3/28	2 (1)	Introduction, History, and Definitions: 2			
		aursday March 30]	01 4 0		7
4/4	3 (2)	Fluid Mechanics: 1	Chpt. 4 p, 9	06-113 (1	week +)
4/6	4 (2)	Fluid Mechanics: 2			
4/8		FIELD TRIP 1: Field Methods and Roughness	s Determina	tion on S	Swamp Creek
4/11	5 (2)	Fluid Mechanics: 3			
4/13	6 (3)	Sediment Transport: Mechanics	Chpt. 4, p.	113-150	(1 week +)
4/18	7 (3)	Sediment Transport: Bedload		I	eport #I DRAFT
4/20	8 (3)	Sediment Transport: Bed & Suspended Loads			due 4/20 in class
4/22		FIELD TRIP 2: Channel and Flow Interaction	ns on North	Creek	
4/25	9	Review; Discussion of Field Trips and Reports			
4/27	10 (4)	Channel Form—The Bankfull Channel	Chpt. 5 (2 a	weeks)	
5/2	11 (4)	Channel Form—The Bankfull Channel	Report #	_	due 5/4 in class
5/4	12 (4)	Floodplains and Terraces	ABSTRAG	٠. ك	
5/9	13 (4)	Channel Patterns and River Profiles			Ind. proposals (I p.) (if needed)
5/11	14 (5)	Channel Classification			due 5/9 in class
5/13		FIELD TRIP 3: Channel Migration on the Gr	een River		Report #2
5/16	15 (6)	Hillslope Hydrology	Chpt. 2; Ch	ıpt. 3, p. 6	.' =/
5/18	16	Channel Initiation and Drainage Networks	Chpt. 2 (con	nt.); Chpt	. 3, p. 80-95
5/23	17	Channel Response	Chpt. 6		
5/25	18	Human Effects	Chpt. 6 (aft	ter p. 316))]
5/30	19	River Restoration			
6/1	20	Ecological Influences of Fluvial Processes			Report #3 due 6/1 in class