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Fall 9-1-2000

### FOR 485.01: Watershed Management

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<b>SYLLABUS</b>		
FALL 2000	FOR 485	POTTS
<b>WATERSHED MANAGEMENT</b>		
MEETING TIME: MWF 8-9 AM; Forestry 106		

WEEK	DISCUSSION TOPIC	READING
09 / 06	Introduction - Water in the West	Chapter 1
09 / 11	The Watershed / Statistical Methods	Handouts / Chapter 20
09 / 18	Precipitation and Interception	Chapter 2
09 / 25	Evapotranspiration and Soil Water Storage	Chapter 3
10 / 02	<b>EXAMINATION</b> (Friday) - Infiltration, Runoff and Streamflow	Chapter 4, Chapter 19
10 / 09	Groundwater	Chapter 5
10 / 16	Vegetation Management and Water Yield	Chapter 6
10 / 23	Surface Erosion and Control	Chapter 7
10 / 30	Gullies and Mass Movement	Chapter 8
11 / 06	<b>EXAMINATION</b> (Monday) Sediment Yield and Channel Processes	Chapter 9
11 / 13	Channel Processes (continued)	Chapter 9
11 / 20	H <sub>2</sub> O Video Festival - <b>THANKSGIVING BREAK</b>	
11 / 27	Channel Classification and Channel Stability	Chapter 9, Handouts
12 / 04	Wetlands and Water Quality	Chapter 16, Chapter 10
12 / 11	Water Quality, TMDL's, BMP's, SMZ law	Chapter 10, Handouts
	Snow Hydrology *** (if time allows)	Chapter 15

**TEXTBOOK:** Brooks, et al. 1997. Hydrology and the Management of Watersheds 2d Edition. Iowa State University Press. 502 pp.

<b>GRADING:</b>	Quizzes and Homework	10% of final grade
	First Examination	30% of final grade
	Second Examination	30% of final grade
	Final Examination, December 20, 8-10 AM	30% of final grade

**GRADUATE STUDENTS** - see me for Graduate Assignment