EE479 Lecture Plan – Fall 2008 John M. Cioffi

9 2 8 9	9/19 1:00-2:15 9/24 - tape	Iti-User Fundamentals - Chapter 12 Multi-user Channels:		•
9 2 8 9	9/19 1:00-2:15 9/24 - tape			
9 2 8 9)/24 - tape	Multi-user Channels		
2 <mark>8</mark> 9			12.1	
	8 /19 2:30-3:45 9/29 – tape	Rate regions and Detection	12.1	
3 8	0/1 - tape	General Multiple User	12.2	PS1
4 1	0/3 0/6 – no tape	Gaussian multiple access "G" DFE	12.2	
5 1	0/8 0/8	Dirty paper precoding and Broadcast Channels Scalar duality	12.3	PS2
6 1	0/10 0/15 – no tape	Interference Channel	12.4	
I			1	
		Iultiple Access Channel – Chapter		
	0/13	Vector Gaussian MAC modeling and SWF	13.1	
1	0/15			PS3
	0/20	I Iterative Water-filling	13.2	
9 1	0/22	Vector DMT	13.3	PS4
10 1	0/27	Minimum Energy-Sum Problem		
11 1	0/29	Mohseni's Algorithm	13.4	PS5
1	1/3	Midterm Exam (open book, in class)	13.5	
	Тн	e Broadcast Channel – Chapter 14		
12 1	1/5	Broadcast Models	14.1,2	
	1/7	Precoders	14.3	
	1/10		0.71	
	1/12			PS6
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	1/17	VDMT and Implementations	14.4	

Grading: midterm 30%, final 40%, homework (ok to talk with other students currently in class, but no use of previous students or their solutions) 30%.