EE379C Lecture Plan – Spring 2008

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Lecture #	Date	Торіс	Reading	Homework (out/in)
	Multi	-Channel Modulation - Chapter	4	
1	4/2	Introduction and Basic Multi-tone	4.1	1/-
2	4/7	Parallel Channels and water-filling	4.1, 4.2	-/-
3	4/9	Loading Methods: water-filling	4.3	2/1
4	4/14	Loading Methods: Levin-Campello	4.3	-/-
5	4/16	Loading Methods: continued	4.3	3/2
6	4/21	Channel Partitioning: modal modulation/MT	4.4	-/-
7	4/23	Vector Coding	4.5	4/3
8	4/25 Friday (ahead 4/28) Sk Aud	Discrete Multi-Tone (DMT)	4.6	-/-
9	5/1 Thursday - TBD (delayed 4/30) Sk 193	Examples and FMT	4.6	-/4
	5/5	Midterm Exam (open book, in class)Channel Identification		-/-
10	5/7	Channel Identification	4.7	5/-
11	5/9 Friday ahead, sk Aud	Equalization Methods	4.8	
40 5/40 Infinite length DEE and information Theory 5.4				
12	5/12	Infinite-length DFE and Information Theory	5.1	-/-
14	5/14 5/14 tape ahead for 5/19 Gates B01	GDFE	5.3	-/-
15	5/28	GDFE	5.3	7/6
16	5/30 Friday (delayed 5/26) Sk Aud	GDFE: VC and DMT	5.4	-/-
17	6/2	Transmit Optimization with GDFE and the Circulant DFE	5.5	
18	6/4	Limiting Results	5.6	-/7
	6/9 out, 12:00 6/10, in 11:30	FINAL EXAM (open book, 23.5 hours)		

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%. Final is probably take home, details to be determined..