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Wireless Communication Engineering I

By Kiyomichi ARAKI

[(Revised) Schedule in 2012 Spring Semester]

[1]	4/13	(Fri)	Introduction, Electromagnetic Wave: Information, Energy, Sensing
[2]	4/20	(Fri)	Channel Fading, Channel Estimation, Diversity Technique
[3]	4/27	(Fri)	NO CLASS
[4]	5/11	(Fri)	Noise & Interference, Spatial Signal Processing
[5]	5/16	(Wed)	MIMO Transmission: Spatial Multiplexing
[6]	5/25	(Fri)	UWB Transmission: Low Frequency Efficiency & Low Power Transmission
[7]	6/1	(Fri)	Digital Modulation & Demodulation
[8]	6/8	(Fri)	Filtering, Signal Conditioning and Processing
[9]	6/15	(Fri)	Software Defined Radio & Cognitive Radio
[10]	6/22	(Fri)	NO CLASS
[11]	6/29	(Fri)	Digital RF Circuit Design : Combination of CT and DT Systems
[12]	7/6	(Fri)	Error Correction Codes & Information Theory
[13]	7/13	(Fri)	Multiple Access and Multi-user Communication
[14]	7/17	(Tue)	Power Amplifiers: Nonlinear Distortion, Efficiency, Architecture
[15]	7/20	(Fri)	Cryptography for secure networking