OCW(Open Course Ware) 강의계획서

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교 과 목 개 요	This course introduces basic theory for analog and digital communication systems including analog and digital modulations. The effects of noise into communication systems are also discussed. Accompanying homework assignments and quizzes will help students understand the theory with some hands-on experience. Lecture attendance is absolutely mandatory.
수업목표	Students who have successfully completed this course are expected to learn the following topics. . Introduction to communication systems . Analog modulations . Digital modulations . Additive white Gaussian noise . Design of communication systems . Simulations with MATLAB

교　재	교재명		저자		출판사	
	Communication Systems Engineering		John G. Proakis and M. Salehi		Pearson/Prentice Hall	

평가방법	중간(%)	기말(%)	출석(%)	과제(%)	수업참여도(%)	기타(%)
	30	30	5	15	0	20

		Contents	Exam & 과제
주 강 계 별 의 획	Week 1	Course introduction	
	Week 2	Overview of signals and systems	Homework 1
	Week 3	Amplitude modulation	
	Week 4	Amplitude modulation	
	Week 5	Angle modulation	Homework 2
	Week 6	Angle modulation	
	Week 7	Effect of noise in analog communications	Quiz 1
	Week 8	Mid-term exam	
	Week 9	Effect of noise in analog communications	
	Week 10	Pulse modulations	Homework 3
	Week 11	Pulse modulations	
	Week 12	Digital modulation	Quiz 2
	Week 13	Digital modulation	
	Week 14	Random variables	Homework 4
	Week 15	Receiver design	
	Week 16	Final Exam	

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