

# 강 의 계 획 서

교과목 정 보	교과목명	전자회로2		수업년도(학기)	2015년 2학기		
		<input type="checkbox"/> 2학점 <input checked="" type="checkbox"/> 3학점					
	소 속	전자공학부		성 명	김병호		
	강의요일			강의시간			
	강의장소	OCW 스튜디오					
교과목 개 요	To analyze differential amplifier, frequency response, feedback amplifier, and output stages using the amplifier circuits in time/spectral domains.						
수업목 표	To learn how to design/analyse necessary amplifiers using the amplifier circuitry by conducting qualitative/quantitative analysis.						
교재	교재명		저자		출판사		
	Fundamentals of Microelectronics		Behzad Razavi		Wiley		
평가방 법	중간(%)	기말(%)	출석(%)	과제(%)	수업참여도(%)	기타(%)	
	30	40	10	30	0	0	
주강 계획	주차	Contents				Exam & 과제	
	Week 1	Overview of differential amplifier					
	Week 2	Analysis of BJT differential amplifier					
	Week 3	Analysis of MOS differential amplifier and features of cascode differential amplifier					
	Week 4	Analysis and consideration of Active load and CMRR					
	Week 5	Overview of frequency response and modeling of high-frequency signal					
	Week 6	Analysis of frequency response of CS/CE and CG/CB					
	Week 7	Other amplifier configurations, e.g., cascode, follower, and more.					
	Week 8	Analysis of spectral response of differential amplifier				중간고사	
	Week 9	Analysis of loop gain					
	Week 10	Overview of negative feedback					
	Week 11	Techniques for feedback circuit analysis					
	Week 12	Feedback topologies - part I.					
	Week 13	Feedback topologies - part II					
	Week 14	Stability and frequency compensation - part I.					
	Week 15	Stability and frequency compensation - part II.				기말고사	