

Syllabus of Fall Semester, 2017

Course Title	Image Coding	Course Code	EB68687	Section	001
Department	Electronics Engineering	Level	All	Credit – Theory – Practice	3.0 – 3.0 – 0.0
Class Hours & Classroom	Tue. 13:00–16:00 108-9401				
Lecturer	KIM, JAE-HO	Office		Office Hours	
		Telephone		E-mail	
Methodology of Instruction	Lecture				
Evaluation and Grading	Mid Exam 50% Final Exam 50% * Students with disabilities can request an extension of the exam hour , and they can take exams by getting writing assistance or by using a computer .				
Prerequisites					
Course Objectives	Establishes the fundamentals of Video Coding. Learn the video compression algorithms. As the application, learn a realtime video coding and communication system.				
Course Description	For understanding H.264 video coding, learn basic mathmetics of fundamental video coding algorithms. Investigate how the core technologies are contributing to the cideo coding. Study recent related papers, and learn how the algorithms are contributing to the video coding. * Students with disabilities can negotiate with the Disabled Student’ s Academic Support Center regarding course materials and assignments.				
Textbooks and References					
Required Textbooks	H,264/AVC 비디오 압축 표준. 정제창 역 홍릉 과학 출판사 https://ko.wikipedia.org/wiki/%EA%B3%A0%ED%9A%A8%EC%9C%A8_%EB%B9%84%EB%94%94%EC%98%A4_%EC%BD%94%EB%94%A9				
References	http://ip.hhi.de/imagecom_G1/assets/pdfs/csvt_overview_0305.pdf http://ip.hhi.de/imagecom_G1/research.htm				

Weekly Schedule of Classes		
Week No.	Course Material	Assignments and Other Notes
Week 1	[Orientation and Education on Academic Misbehavior (e.g. Cheating, Plagiarism) and Safety Education on Experiment and Practice] Limitations of Communication and visual Communication	
Week 2	Limitations of Communication and visual Communication	
Week 3	Expression and characteristics of visual signal	
Week 4	Expression and characteristics of visual signal	
Week 5	Theory of Visual coding	
Week 6	Theory of Visual coding	
Week 7	Theory of Visual coding	
Week 8	Mid Term	
Week 9	Standard methods of Visual coding	
Week10	Standard methods of Visual coding	
Week11	Standard method of Visual coding	
Week12	Terminal systems of Visual communication	
Week13	Terminal systems of Visual communication	
Week14	Internet technologies of visual communication	
Week15	Internet technologies of visual communication	
Week16	Final Term	
Attachment		