

Error-correcting codes - Schedule of Semester (Mon78, Wed9, ROOM-A432)

month	week	Monday (2 hours)	Content	Wed (1 hour)	Content
3	1	5	Introduction	7	continue
	2	12	Hamming, Golay and RM codes Initial Project of performance simulation	14	Continue
	3	19	m-sequence and finite fields	21	Continue
	4	26	binary cyclic codes and BCH codes - codes and encoding	28	Continue
4	5	2	binary cyclic codes and BCH codes - decoding	4	Continue
	6	9	Non-binary BCH codes and RS codes Project 1	11	continue
	7	16	Review of First Half Semester	18	Midterm exam period
	8	23	Midterm exam period	25	Review of Midterm exam
	9	30	Binary convolutional codes Project 2	2	continue
5	10	7	Holiday, no class	9	Soft-decision decoding
	11	14	Iteratively decodable codes - turbo codes Project 3	16	continue
	12	21	Iteratively decodable codes - LDPC codes Project 4	23	continue
	13	28	LT codes over BEC	30	continue
6	14	4	Polar codes Project 5 (essentially final exam)	6	Holiday, no class
	15	11	Self-study	13	Holiday, no class, Self-study
	16	18	Final exam period (no final exam)	20	Final exam period

evaluation

- Initial project - 50 points (but most important)
- Simulation Project 5 times - 500 points
- Midterm exam - 150 points

Total - 700 points (no final exam) 절대평가

➤ A - 560(80%) or more

➤ B - 420(60%) or more