Course No.	430.707	A	Lecture No.	. 001	Course Tit (Subtitle)	tle )	Patte	ern Reco	Recognition			3
Representative Instructor	Name C		hoi, Jin Your	Professor	)	Homepage		pil.snu.ac.kr				
	E-mail	E-mail jychoi@snu.ac.kr Phone No. 010-4106-8372										1
	Interview Time/Place : Buld. 133, Room 406											
*1.Purpose of Course	Fundamental techniques for pattern recognition are introduced, including Bayesian Decision Theory, Density Estimation, ML, Bayesian Learning, MAP, Histogram, PW, K-NN, GMM(EM), Feature Basis Learning (Subspace Learning), PCA, LDA, Linear Learning Machine, Linear Learning rules, Learning Theory (ERM, VC-dim, SRM, PACL), Deep Neural Networks, Support Vector Machine, Kernel Tricks, Markov Chain Mote Carlo, Bayesian Inference Network, Graphical Model. Variational Inference and so on.											
*2.Materials and Reference	Pattern Classification and Machine Learning -Cristopher M. Bishop-Springer-2006											
*3.Evaluation Method	Attendanc	e	Task	Medium	Final	F F	Random valuation	Attitud	<u>,</u>	Other		Total
				30	30		40		0		0	100
	기타 :											
	강의내용											
* 4. 강의계획	1 주: Introduction to Machine Learning for Pattern Recognition 2주: Review of Linear algebra 3주: Probability and Information Theory 4주: Bayesian Decision Theory 5주: Principal Component Analysis, Linear Discriminant Analysis 6주: Learning Rules 7주: Support Vector Machine 8주: Deep Convolutional Network 9주: Bayesian Network 10주: Parametric Density Estimation 11주: Non-parametric Density Estimation 11주: Non-parametric Density Estimation 12주: Markov Chain Monte Carlo 13주: Boltzman Machine 14주: Inference of Bayesian Net											
5. 수강생 참고사항			11			<u> </u>						