



SUBJECT: Bayesian Inference		
MASTER DEGREE: Mathematical Engineering	ECTS: 6	QUARTER: 1

TIMETABLE FOR THE SUBJECT							
WEEK	SESSION	DESCRIPTION OF EACH SESSION	GROUP (X mark)		Indicate if a different lecture room is needed (computer, audiovisual, etc.)	HOMEWORK PER WEEK	
			1	2		DESCRIPTION	ATTENDING HOURS
1	1	Introduction to Bayesian Inference	X			Theory lecture	2
1	2	Probability notions and exchangeability	X			Theory lecture	2
2	1	One parameter models	X			Theory lecture	2
2	2	Monte Carlo approximation	X			Practical Class with laptops	2
3	1	The normal model	X			Theory lecture	4
4	2	Gibbs sampling	X			Practical Class with laptops	4



5	1	The multivariate normal model	X			Theory lecture	2
5	2	Group comparisons and hierarchical modelling	X			Theory lecture	2
6	1	The linear regression model	X			Theory lecture	4
7	2	Non-Conjugate priors and Metropolis-Hastings	X			Practical Class with laptops	4
8	1	Generalized linear models	X			Theory lecture	4
TOTAL HOURS							32