

## CS/CNS/EE 155 – Questionnaire about background

**Name:**

**Level:**

**Major:**

<b>Concept</b>	<b>Don't know</b>	<b>Vaguely familiar</b>	<b>Very familiar</b>
Probability distributions (Normal, Uniform, Geometric,...)			
Multivariate distributions			
Conditional distributions $P(x   y)$			
Random variables			
Bayes rule			
Tail bounds (Chebyshev, Chernoff, ...)			
Basic machine learning concepts (bias-variance, generalization, ...)			
Markov models			
Kalman filters			
Bayesian networks			
Log-linear models			
Belief propagation			
Dynamic programming			
Markov Decision Problems			
POMDPs			
Stochastic processes (Gaussian processes, Brownian motion)			
Principal component analysis			
MATLAB			