Revision materials

To the extent discussed and exemplified in class and at tutorials (noting that Matlab is not examinable)

Probabilities and Curve fitting (Bishop, Ch1)

Bayesian framework (Bishop, Ch2), Bayes Theorem (Bishop, Ch2)

Expectation and covariance (Bishop, Ch2)

Gaussian maximum likelihood (Bishop, Ch2, Ch3)

Regression with least squares (Bishop, Ch3)

Naive Bayes (lecture notes)

Bayesian networks and K2 algorithm (Bishop, Ch.8, lecture notes)

Random Forests including Decision Trees, Entropy and Information Gain (lecture Notes)

Probabilistic Graphical Models (Bishop, Ch.8)

K-means (Bishop, Ch. 9)

Mixture models and Expectation Maximization (Bishop Ch2, Ch.9)

K-nearest neighbours and Kernel density estimation (Bishop, Ch2)

~~Hidden Markov models (Bishop Ch.13)~~