ELEC 602 / COMP 602
Fall 2010

Neural Networks and Information Theory II.
(Neural information processing)

Advanced topics in neural machine learning theories, with a focus on learning high-dimensional manifolds with variants of Self-Organizing Maps. Application to clustering, classification, dimension reduction, comparison with “gold standards” through examples from image and signal processing.

The course will be a mix of lectures and seminar style discussions with active student participation, based on recent research publications. Students will have access to professional software environment to implement theories.

More at
http://www.ece.rice.edu/~erzsebet/ANNcourseII.html
or inquire in DH 2040