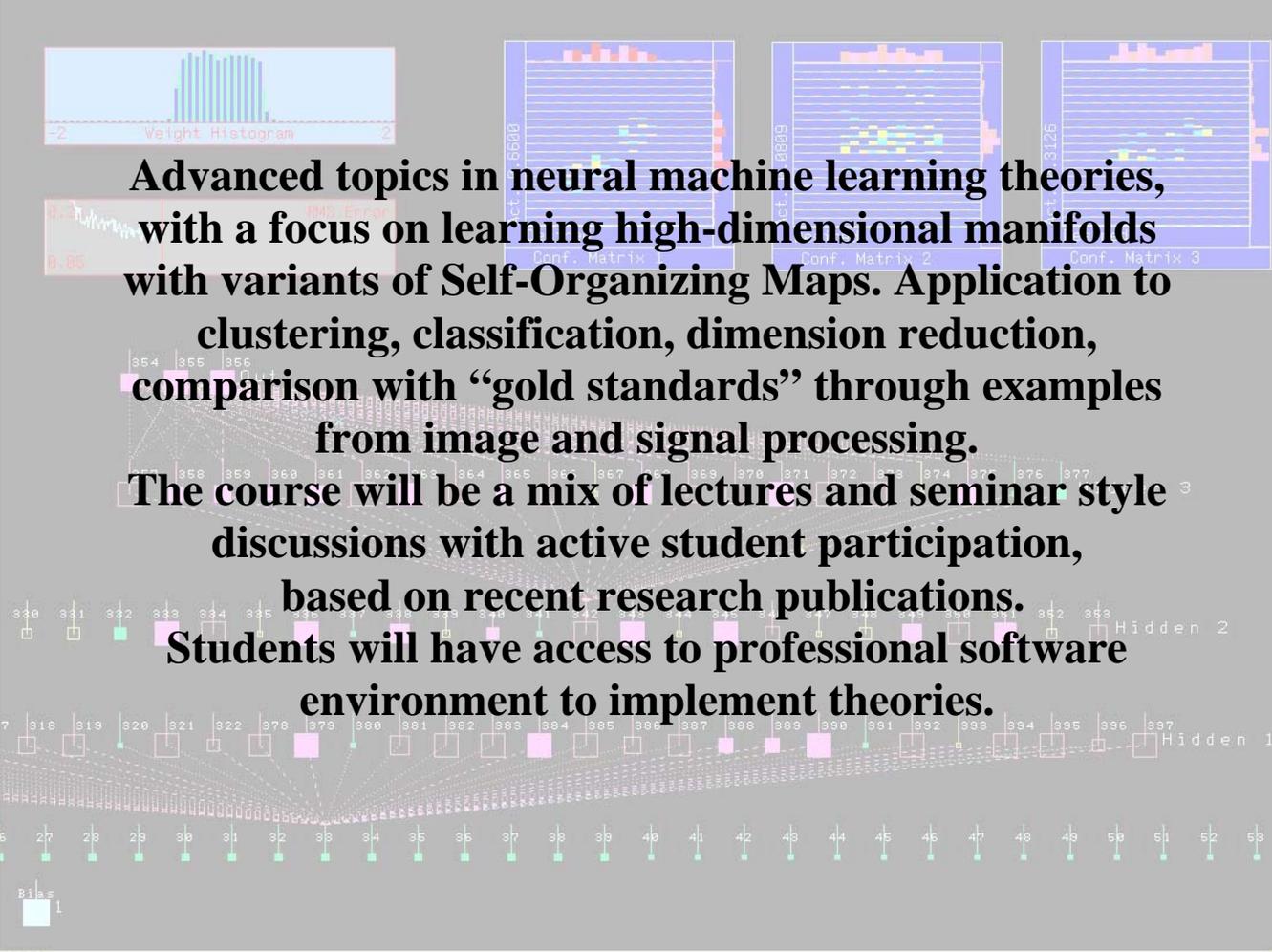# *ELEC 602 / COMP 602*
Fall 2010

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**