INFORMATION FOR EE5353 NEURAL NETWORKS 8/25/2012

Professor : M.T. Manry Office Hours : T-Th 1:00-2:00 PM
Office : Nedderman Hall 536, 272-3483

Reference Text:


GRADING PERCENTAGES

Homework : 10 %
Programs : 20 %
3 Exams + Final : 70 % The Final Counts as Two Exams

GENERAL INFORMATION www-ee.uta.edu/eeweb/ip/

Homework: May Be Turned In One Lecture Late For 1/2 Credit. Solutions Will Be Distributed. On the homework, you get credit for trying. Grading is binary.

Programs: Use any convenient computer and language, but some C code and pseudocode will be distributed. You may not use Matlab’s neural net toolbox. Programs may be turned in one lecture late.

Exams: There Will Be Three 1.5 Hour, Closed Book Exams And A Comprehensive Final
One Exam Grade Will Be Dropped For Those Students Who Take All Exams And The Final
No Make-Up Exams. Students Satisfied With Their Course Grade After Taking The Three Exams May Skip The Final.

Off-Campus Students

Assignments should be faxed to Donya, at 817-272-5630
Exams can be proctored at your site.
TOPICS

5. Clustering algorithms such as k-means, sequential leader, and self-organizing map.
6. Clustering-related neural nets such as Kohonen's LVQ (learning vector quantization), piecewise-linear nets (PLNs) modular nets, radial basis function nets (RBF) and counter-propagation nets.
7. Neural networks for associative memory including linear associative memories.

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Homework assignments and solutions, program assignments, old exams.