COURSE INFORMATION FOR EE5350  DIGITAL SIGNAL PROCESSING

Professor  : M.T. Manry
Office     : Nedderman Hall 536
Office Hours : MW 1:00 – 2:00 PM
Phone      : 272-3483

Text       : Discrete-Time Signal Processing by A.V. Oppenheim, R.W. Schafer, and Buck

GRADING PERCENTAGES

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

GENERAL INFORMATION

Program assignments can be worked in C or Matlab. However, you are not allowed to use Matlab convolution or frequency response functions.
Program assignments can be turned in one lecture late for full credit. Off-campus students should fax in homework and program assignments.
Homework may be turned in one lecture late for 1/2 credit
Homework solutions will be made available on the course webpage.
Homework grading is binary. Each problem counts 1 or 0 points.
There will be three in-class one-hour, closed book exams and a comprehensive final
One exam grade will be dropped for students who take the final
No make-up exams
Students satisfied with their course grade after taking the three exams may skip the final

COURSE MATERIAL

(1) Discrete Convolution, Linear Time-Invariant Systems, Causality, Stability
(2) Bandlimited Interpolation Of Signals
    (3) Discrete Time Fourier Transform (DTFT), Z-Transform, Discrete Fourier Transform
(4) Design Algorithms For IIR and FIR Digital Filters
(5) Programming of Signal Processing Algorithms, Pseudocode
DOWNLOADING COURSE MATERIALS

Check EE5350 under www-ee.uta.edu/EEweb/ip/ for lecture notes, homework and program assignments, homework solutions, and old exams.

OFF-CAMPUS STUDENTS

Fax completed assignments to Donya Randolph at 817-272-5630