Instructor: K.R. Rao
Office: 530 NH
Office Hours:  Mon: 10:00 – 11:00 A.M
       Wed: 3.00 – 4.00 P.M
Phone: 817-272-3478
Mailbox: Room 549 Nedderman Hall
Email: rao@uta.edu
Instructor WWW site: www-ee.uta.edu go to research centers. Click on DIP
Course WWW site: under development
Required Textbook(s): Hand outs and references
Reference Materials:
      Boca Raton, FL: CRC Press, 2001
   2. Info on extensive literature will be provided
Course Description: discrete transforms such as KLT, DFT, WHT, DCT, DST, ST, HT, and DWT – definitions, properties and fast algorithms – Their applications in digital signal/image processing
Course Learning Goals/Objectives: provide a thorough understanding of the discrete transforms and emphasize the applications
Attendance Policy: Attendance in all classes is required. Prior permission is suggested if the student needs to be absent (not too many)
Drop Policy: Same as the University policy
As per University guidelines. See the Registrar’s Bulletin or the University Calendar in the front part of the UTA catalog for drop dates.
Tentative Lecture/Topic Schedule (Course Content): Same as course description
Specific Course Requirements w/Descriptions:
Test # 1     Tues, 27 Sept 2005:  3:30 – 4.50 P.M
Test # 2     Thurs, 27 Oct 2005:  3:30 – 4.50 P.M
Final         Tues, 6 Dec 2005:  5:30 – 8 P.M

Course Evaluation & Final Grade:  2 tests and a final (each 25%). Also computer based projects (25%). Home work will be assigned but will not count towards the grade. Home work is important and the assignments will be similar to the tests and final.

Grading:

PLAN A
Test 1        20%   A=90-100%
Test 2        20%   B=80-89%
Final          25%                                   C=70-79%
Design Projects 35%    D=60-69%

PLAN B (For those who miss a test – not recommended)
Max of Test1 and Test2: 30%,     Final: 35%,     Design Projects: 35%

Everyone must take the final. Course grades are based on Maximum of Plan A and Plan B i.e., whichever is higher.

1. No makeup 2. No incomplete

Final exam papers will not be returned. The student however has the right to look at his/her exam paper and discuss it with the instructor. Final exam papers will be kept until the mid-semester of the following semester. Summer counts as one semester. (No telephone calls or inquiries regarding course grades, please.) Everyone must take the tests and final exam at the same time and at the same place. If you have any questions on your returned tests, please do so within a week. Videotape students take the tests one week later at the company sites. Contact: Engineering center for distance education: Room 242, Nedderman Hall or Donya Ph: 1-817-272-2352; email: drandolph@uta.edu, Fax: 1-817-272-5630

If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are properly accommodated.

Student Evaluation of Teaching

Students will be asked to complete instructor/course evaluation forms at the end of the semester.
Americans with Disabilities Act:

The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112-The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act – (ADA), pursuant to section 504 of The Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens. As a faculty member, I am required by law to provide “reasonable accommodation” to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

Academic Dishonesty

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

“Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.” (Regents’ Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22).

ANY CHEATING WILL RESULT IN SEVERE PENALTIES.