

## EE 3318 Discrete Signals and Systems

Fall 2008

Section 001: MoWe/ 4:00 - 5:20 pm, 106 NH

<http://www-ee.uta.edu/Online/Oraintara/ee3318>

### INSTRUCTOR:

Yothin Rakvongthai

Office: 139 Nedderman Hall, Phone: 272-7189, Email: [yothinr@gauss.uta.edu](mailto:yothinr@gauss.uta.edu)

Office Hours: TuTh 1:00-2:30 pm @ 139NH

**REQUIRED TEXTBOOK:** McClellan, Schafer and Yoder, DSP FIRST: A Multimedia Approach, Prentice Hall, 1998

### GRADUATE TEACHING ASSISTANT:

Jennie Abraham

Email: [jennieggloria@hotmail.com](mailto:jennieggloria@hotmail.com)

Office Hours: Mo 11:00 am-noon and 1:00-3:00 pm @ 140NH

We 11:00 am-2:00 pm @ IEEE Mentoring Office (Other times by appointment)

**PREREQUISITE:** EE 3317 Linear Systems

**COURSE DESCRIPTION:** The covered topics are Fourier series and transform, sampling theorem, FIR digital filters, discrete-time convolution,  $z$ -transform, and IIR digital filters and their stabilities.

**ATTENDANCE POLICY:** Students are required to attend classes regularly.

**DROP POLICY:** As per University guidelines. See the Registrars Bulletin or the University Calendar in the front part of the UTA catalog for drop dates.

**HOMEWORK:** Individual assignments will be given (almost) every other week, and they are due at the beginning of the class, unless otherwise specified.

**COMPUTER ASSIGNMENTS:** MATLAB assignments will be handed out. Occasionally, the class will be held in the computer lab in Ransom Hall. The meeting place and times will be announced during the semester.

You are encouraged to discuss assignments with others. Even though discussion is encouraged, *the work that you turn in must be your own.*

*No late assignments will be accepted except under extreme non-academic circumstances.*

**EXAMS:** There are two midterm exams scheduled on 10/1/08 and 11/5/08, and a final exam (12/10/08 2:00-4:30 pm). The exam location will be announced during the semester.

**GRADING POLICY:**

- 25% Midterm Exam I
- 25% Midterm Exam II
- 40% Final Exam
- 10% Assignments and Quizzes

*The instructors reserve the right to adjust the grading policy towards advantage of students.*

*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.**