UTRGV COURSE SYLLABUS

UTRGV Course: ELEE 3321/CMPE 3322 Signals and Systems
Instructor Name: Wenjie Dong
Term: Spring 2018
Tel: 956-665 2200. Email: Wenjie.dong@utrgv.edu
Time: TR 8:00am-9:15am
Location: EACSB 1.104 (Edinburg) and BSABH 2.204 (Brownsville)
Office location and hours: ENGR 3.242, TR 2pm-3:30pm or by appointment

Textbook and/or Resource Material

Course Description and Prerequisites
Response of LTI networks by Fourier and Laplace transform methods, frequency-domain techniques and time-
domain techniques, discrete signal representation, and z-transforms. Crosslisted with CMPE 3322. Prerequisites:
ELEE 2305 and credit/registration in MATH 3341.

Learning Objectives/Outcomes for the Course
After taking this course, students should be able to
1. Analyze continuous time and discrete-time signals
2. Know properties of linear time-invariant systems
3. Analyze linear continuous time systems in time-domain
4. Analyze linear discrete-time systems in time domain
5. Analyze linear continuous time systems using Laplace transform
6. Analyze linear continuous time systems using Fourier transform
7. Sample and reconstruct signals
8. Analyze linear discrete time systems using z transform

Grading Policies
Your final grade depends on your points for the following parts: 1. Homework, 2. Quiz and attendance, 3. Middle
term exams, and 4. final exam.

- **Homework:**
  1. Homework is assigned on Thursday weekly in Blackboard (BB) and is due on the next Thursday.
  2. Homework is required to be submitted through Blackboard by uploading a single PDF file before the
deadline. Submissions of homework by paper or email are not accepted.
  3. Late homework is not accepted.

- **Attendance**
  1. Attendance of class is required.
  2. You may be absent for two times without the instructor's approval.

- **Middle term exams:**
  1. The date for middle term exam will be announced one week in advance.
  2. Make-up for a missed exam will not be permitted unless it has been arranged in advance.

- **Final exam:**
  1. The date for the final exam will be announced one week in advance.
  2. Make-up for the missed final exam will not be permitted for any situation.

Calendar of Activities
The UTRGV academic calendar can be found at http://my.utrgv.edu at the bottom of the screen, prior to login.

Other Course Information
Topics (tentative):
1. Introduction of signals and systems:
2. Time-domain analysis of continuous-time systems
3. Time-domain analysis of discrete-time systems
4. Continuous-time system analysis using the Laplace transform
5. Continuous-time system analysis: the Fourier series
6. Continuous-time system analysis: the Fourier transform
7. Discrete-time system analysis using the z-transform
8. Sampling and Reconstruction

**UTRGV Policy Statements**

**STUDENTS WITH DISABILITIES:**
If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. **Brownsville Campus:** Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at accessibility@utrgv.edu. **Edinburg Campus:** Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at accessibility@utrgv.edu.

**MANDATORY COURSE EVALUATION PERIOD:**
Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu); you will be contacted through email with further instructions. Online evaluations will be available Nov. 18 – Dec. 9, 2015. Students who complete their evaluations will have priority access to their grades.

**ATTENDANCE:**
Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences. UTRGV’s attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious holy days; or for military service. Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.

**SCHOLASTIC INTEGRITY:**
As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism, and collusion; 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. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to the Dean of Students.

**SEXUAL HARASSMENT, DISCRIMINATION, and VIOLENCE:**
In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect in an environment free from sexual misconduct and discrimination.

**COURSE DROPS:**
According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the “3-peat rule” and the “6-drop” rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped
at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.