**Florida International University**

 **Department of Electrical and Computer Engineering**

 **Miami, Florida 33199**

 **EEL 3135 - SIGNALS AND SYSTEMS**

# Fall, 2014

**Instructor:** Dr. Jean H. Andrian EC 3912, Tel: 348‑2115, E-Mail: andrianj@fiu.edu

**Office:**  EC 3912

**Office Hours:** Tuesdays and Thursdays: 10:00 AM – 12:00 PM in EC 3912.

 No consultations on exam days

**Textbook:** Ulaby and Yagle “Engineering Signals and Systems”, NTS press, 2013.

**Reference:** Luis F. Chaparro" Signals and Systems Using MATLAB”, Academic Press, 2011

**Learning Objectives:** to give students the necessary mathematical tools for upper-level courses in communication systems, control systems, and digital signal processing.

**Topical Outline:**

1. Introduction
2. Continuous-Time Signals
3. Continuous-Time Systems
4. Laplace Transform
5. The Fourier series and the Fourier Transform
6. Discrete-Time Signals and Systems

**Evaluation:**

Test #1 30 points **September 25th 2014**

Test #2 30 points **October 23rd 2014**

Test #3 30 points **December 9th 2014**

HW & MATLAB 10 points

Total 100 points

**In-Class Rule**

NO Cellular Phone (or Beeper) is allowed to ring inside the classroom.

**Grading Policy:**

A 100-95 B+ 86-89 C+ 76-79 D+ 66-69 F 0-59

A- 90-94 B 83-85 C 73-75 D 63-65

 B- 80-82 C- 70-72 D- 60-62

**Missed Test:**

Call Instructor or Secretary (348-2807) BEFORE test time to notify of problem and to make special arrangements with instructor before next class.

**Department Regulations Concerning Incomplete Grades:**

1. Must be unable to complete the course through documented circumstances beyond his/her control.

2. Must be passing the course prior to that part of the course that is not completed.

3. Must contact the instructor or the secretary immediately before or during the part missed, so the instructor will be aware of the circumstances causing the incomplete.

4. Must make up the incomplete work through the instructor of the course and should not be allowed to sit through another entire course to make up the incomplete.

5. Must make proper arrangements with the instructor to complete the course before the last two weeks of the second term.

Homework will be assigned every week.