

**King Saud University**  
**College of Engineering**  
**Electrical Engineering Department**

EE301: Signals and Systems  
Second Semester: 1426-1427 H

**Instructor:** Dr. Wahied GHARIEB ALI  
Office 2C108/1

**Textbook: 1-** “Signals & Systems” by A. V. Oppenheim, A. S. Willsky, and S. H. Nawab, Prentice Hall, 1997.  
**2-** “Signals and Systems” by Haykin and Veen, John Wiley, 1998.

**Course outline:**

<b>Main Topics</b>
Introduction to signals and systems
Continuous time (CT) and Discrete time (DT) signals
Continuous time (CT) and Discrete time (DT) systems
Convolution and Correlation Analysis
Fourier representations for CT and DT signals and Systems
Laplace Transform
Brief introduction to Z-transform

**Evaluation:**

10 % Section work  
20 % First mid-term exam (7<sup>th</sup> week)  
20 % Second mid-term exam (12<sup>th</sup> week)  
10 % Quiz + Attendance  
40 % Final Exam

**Attendance policy:**

According to KSU policy, every student should attend at least 75% of the course classes (including the tutorials). Those who fail to fulfill this condition will fail in the course.