

## **Instructional Objectives for Roberts Chapter 1 - Introduction**

### **1.1 Signals and Systems Defined**

Define the terms *signal* and *system* and give examples.

Explain the difference between analog signal processing and digital signal processing.

### **1.2 Types of Signals**

Classify a signal as: continuous-time/continuous value, continuous-time/discrete value, discrete-time/continuous value or discrete-time/discrete value, even or odd, periodic or non-periodic, deterministic or random.

### **1.3 A Signal and System Example**

Describe the difference between noise and interference.

Define the terms random and deterministic. Give examples of random and deterministic signals.