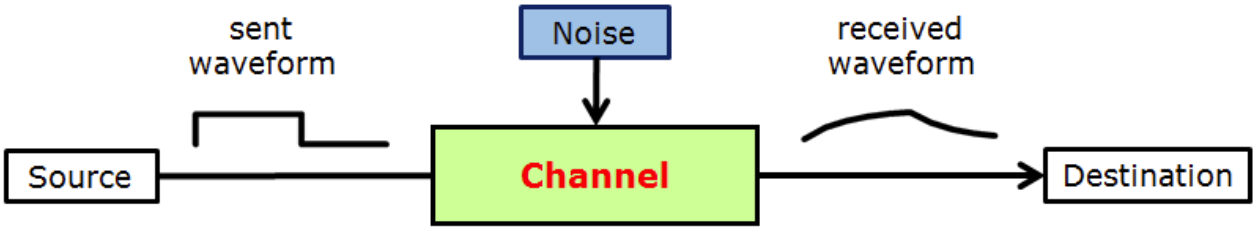
LAB 2 - OVERALL OBJECTIVES

The objective of this lab is to understand several important **channel effects** through observing and modeling the step response of a communication channel. You will simulate a communication system, observe the step response of the channel, and fit the step response by using the exponential model described in the lecture video. Then, you will investigate the effect of the transmission distance on the channel output. The knowledge gained in this lab will be important for designing the receiver.



In this lab, you will complete two tasks:

In task 1, you will use the exponential step response, introduced in the lecture video, to fit the step response of a communication channel.

In task 2, you will investigate the effect of the transmission distance on the channel output.