# EE160 Laboratory Experiment 1. Session 1

**Put your bags/drinks in the space below the workstation table**

- **You need to bring your own breadboard and connecting cables**. A lab component kit will be given
- There are four workstations, one workstation per group (4 or 5 students)
- You must always remain in front of your assigned workstation. **Do not roam in the lab**

**Before the lab (prelab work):**

1. Run LTspice model of ATT-SA circuit (DEMO in class)
2. COMPUTE THE THEORETIAL CUTTOFF FREQUENCY OF THE ATT-SA CIRCUIT (in Hz)
3. Read section 3 (pages 3-1 to 3-8) of the spectrum Analyzer manual, "8590 Series Spectrum Analyzer Users Guide.pdf" which is located in Canvas folder *files/Laboratory/Equipment manuals*

**In the lab, for the ATT-SA circuit:**

4. Measure the resistors and capacitor values using the multimeter
5. Modify the LTspice model with the measured values and run it
6. Measure the amplitude of frequency response ("Bode plot")