ROBOTICS AND COMMUNICATIONS SYSTEMS ENGINEERING TECHNOLGY
PUSH-PULL AMPLIFIERS LAB
3RD SEMESTER, SR. INSTRUCTOR TIM LEISHMAN

General Objective:

Upon completion of this lab, the student will be able to:

A. Calculate voltages, currents, gains, and impedances of Push-Pull amplifier circuits.
B. Construct, measure, and demonstrate the proper use of the test equipment.

References:

- Theory notes
- First Year Text & Lab books

Check-Off Sheet:

- Check-Off Sheet

Specific Objectives:

1. Push-Pull Amplifier
    a. Design a Push-Pull circuit to accept Vin from the variable gain Diff-Amp from your previous lab. Your Push-Pull will be designed to drive a 5-watt, 8-ohm speaker.
    b. Show all calculations.
    c. **Instructor Check**
    d. Using an equivalent load resistor, measure gain and frequency response of the amplifier.
    e. **Instructor Check**
    f. Functionally test the circuit using an instructor issued speaker
    g. **Instructor Check**

2. Complete Conclusion and submit completed Check-Off sheet and Lab writeup in Moodle.