

**Electronics and Instrumentation**

Name \_\_\_\_\_ ENGR-4300 Fall 2000 Section \_\_\_\_\_

**Practical Quiz #5  
555 Timer**

Using a 555 timer chip, construct an astable multivibrator circuit with time constants given to you by the TA or instructor in either order. These times are in tenths of seconds (e.g. 0.1, 0.2, 0.3, 0.4 seconds). First calculate the components you will need and then draw the circuit diagram. Finally, build the circuit and demonstrate its operation to a TA or instructor. You do not need to achieve the desired time constants exactly. The output should look something like the pulses generated in Practical Quiz 1.

Show your results to a TA or instructor and have them sign this sheet below.