

E&I Extra Credit Opportunity

Video 1: What is continuity and how to test it with a Multimeter.

What I Learned: Continuity is if an electrical pathway has electricity running through it without any breaks. You can check the continuity of a circuit with a Multimeter by performing a continuity test. First, turn off electricity. Second, turn on Multimeter. Third touch tips of Multimeter to make sure its on. Fourth place tips at connection points. If you hear a beep then there is continuity.

Video 2: Test Capacitor

What I Learned: To test a capacitor you can either keep it in circuit with an ESR meter, you can take it out and read it with a capacitance meter or you can use your eyeballs/sense of touch. Brand new capacitors don't always look like bad ones.

Video 3: Test Capacitor and Diode

What I learned: Bridge rectifier takes AC and outputs DC. To test it you should hook the positive to Anode and Negative to Cathode. Diodes works like a gate it allows voltage in one way but not the other. 0.4 - 0.6 is a good reading for bridge rectifier.

Video 4: Test Resistor

To test a resistor take one side out of the circuit board and look up the Ohms of the resistor. 3rd band on a resistor is the multiplier. Use a multimeter and connect leads to both sides of the resistor.

In Class

I have learned a good amount of different things in class by asking such as how a differential Amplifier works or how certain homework problems were solved.

Learning Resources

I use YouTube regularly for online help.

Feedback

Do more worked examples in class. It helps a lot.