

Multi-State Advanced Manufacturing Consortium

US DOL SPONSORED TAACCCT GRANT: TC23767
PRIMARY DEVELOPER: Jim Blair – Henry Ford College

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Basic Electricity – Unit Nine: Oscilloscopes and Function GeneratorsStudy Guide

In order to successfully complete this unit, complete the following tasks:

1. Review the course structure.

2. Watch: https://www.youtube.com/watch?v=Zink6v6TXk4

Title: Use of Basic Laboratory Equipment: Episode 4 - Function generator

Author: University of Nottingham

3. Watch: https://www.youtube.com/watch?v=mLKPwWGBtlw

Title: Function Generator Tutorial - What is a Signal Generator / Function Generator?

Author: Afrotechmods

4. Watch: https://www.youtube.com/watch?v=zQDuZ3a6HAE

Title: Basic signal measurements using an oscilloscope

Author: JOYCE

5. Watch: https://www.youtube.com/watch?v=VJJ-y9gjjkl

Title: Oscilloscope operation AC DC GND coupling

Author: BTC Instrumentation

6. Watch: https://www.youtube.com/watch?v=SX4HGNWBe5M

Title: #9: Basic 1X and 10X Oscilloscope Probe tutorial

Author: w2aew

7. Watch: https://www.youtube.com/watch?v=xaELgAo4kkQ

Title: EEVblog #279 - How NOT To Blow Up Your Oscilloscope!

Author: EEVblog

8. Watch: https://www.youtube.com/watch?v=ta096oBzSac

Title: EEVblog #159 - Oscilloscope Trigger Holdoff Tutorial

Author: EEVblog

9. Watch: https://www.youtube.com/watch?v=OFGm-Pel4Hg

Title: "#11: Tektronix Oscilloscope Triggering controls and their usage

Author: w2aew

10. Complete the Lab on Oscilloscope Measurement (PDF) and submit to the lab instructor/course instructor.







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