EET103 Electrical Circuits 1
Grading Rubric - Lab 1
version 1.1
09/07/24

Requirements	**Outstanding**:	**Satisfactory**:	**Needs Improvement**:	**Unsatisfactory**:	**Scoring**
Zoom Video	Zoom video is create with video and audio. Either a link to a cloud recording or a .mp4 file is submitted to the assignment link.				3
Test Continuity	Correctly sets up the DVM for continuity testing. Accurately identifies and connects the probes to the appropriate points in the circuit. Interprets the DVM readings correctly and explains the results clearly. Demonstrates a thorough understanding of the testing procedure and safety precautions.	Sets up the DVM for continuity testing with minor errors. Identifies and connects the probes to the appropriate points with some guidance. Interprets the DVM readings correctly but with less detailed explanation. Shows a good understanding of the testing procedure and basic safety precautions.	Sets up the DVM for continuity testing with several errors. Has difficulty identifying and connecting the probes to the appropriate points. Misinterprets the DVM readings or provides an incomplete explanation. Shows a limited understanding of the testing procedure and safety precautions.	Fails to set up the DVM for continuity testing correctly. Incorrectly identifies and connects the probes, leading to inaccurate results. Misinterprets or fails to interpret the DVM readings. Shows little to no understanding of the testing procedure and safety precautions.	4
Describe SPDT toggle	Provides a detailed and accurate description of the SPDT toggle switch operation. Clearly explains the function of each position (ON-ON or ON-OFF-ON) and how the switch routes the current. Includes relevant diagrams or illustrations to enhance the explanation. Demonstrates a thorough understanding of the switch's applications and uses precise technical terminology.	Provides a correct description of the SPDT toggle switch operation. Explains the function of each position with some detail. May include basic diagrams or illustrations. Shows a good understanding of the switch's applications and uses appropriate technical terminology.	Provides a partial or somewhat inaccurate description of the SPDT toggle switch operation. Explains the function of each position with limited detail. Diagrams or illustrations are either missing or unclear. Shows a limited understanding of the switch's applications and uses general language with several technical inaccuracies.	Fails to provide a correct description of the SPDT toggle switch operation. Does not explain the function of each position or provides incorrect information. No diagrams or illustrations are included. Shows little to no understanding of the switch's applications and uses incorrect or non-technical language.	4
Test toggle with DVM	Correctly sets up the DVM for continuity testing and selects the appropriate mode. Accurately identifies and connects the test leads to the correct terminals of the SPDT switch. Interprets the DVM readings correctly for all switch positions and provides a clear explanation of the results. Demonstrates a thorough understanding of the continuity testing process and the operation of the SPDT switch.	Sets up the DVM for continuity testing with minor errors and selects the appropriate mode. Identifies and connects the test leads to the correct terminals with minimal guidance. Interprets the DVM readings correctly for most switch positions and provides a basic explanation of the results. Shows a good understanding of the continuity testing process and the operation of the SPDT switch.	Sets up the DVM for continuity testing with several errors and may select the incorrect mode. Has difficulty identifying and connecting the test leads to the correct terminals. Misinterprets the DVM readings or provides an incomplete explanation of the results. Shows a limited understanding of the continuity testing process and the operation of the SPDT switch.	Fails to set up the DVM for continuity testing correctly and selects the incorrect mode. Incorrectly identifies and connects the test leads, leading to inaccurate results. Misinterprets or fails to interpret the DVM readings. Shows little to no understanding of the continuity testing process and the operation of the SPDT switch.	4
				TOTAL	**15**