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| **(AUTO B30)** | | | | |
| **Student Learning Outcomes or AUO** | **Measure** | **PLO** | **ILO** | **GE** |
| 1. Evaluate the integrity of electrical and electronic circuits using wiring diagrams and the principles of Ohm's Law. | Pre-test/Post-test | 1, 2, 3 | I,III | N/A |
| 2. Assemble basic electrical circuits, perform electrical measurements with Industry recognized tools and procedures. | Pre-test/Post-test | 1,2, 3 | I,III | N/A |
| 3. Analyze battery, starting and charging system faults and be able to formulate a  diagnostic strategy. | Pre-test/Post-test | 1, 2, 3 | I,II,III | N/A |
| **PLOs:**  1. Demonstrate proficiency in technical skills and safety principles required for employment in the transportation and related industries performing electrical and electronic repair work.  2. Demonstrate their ability to assess, evaluate and solve problems common to electrical and electronic repair in the automotive, industrial, and agricultural industries.  3. Demonstrate a thorough understanding of the core material of electrical and electronic systems required for transfer to a four year university or certification in the department programs.  **ILOs:**   1. **Think critically and evaluate sources and information for validity and usefulness.** 2. **Communicate effectively in both written and oral forms.** 3. **Demonstrate competency in a field of knowledge or with job-related skills.** 4. **Engage productively in all levels of society – interpersonal, community, the state and nation, and the world.**   **GELOs:**  **Use the GE categories from the catalog if this is a GE course.**  **A-E** | | | | |