COURSE INFORMATION FORM

DISCIPLINE                  Automotive Technology
COURSE TITLE                Honda Certification: Electrical Fundamentals

CR.HR  2  LECT HR  0  LAB HR  4  CLIN/INTERN HR.  CLOCK HR. _____

CATALOG DESCRIPTION

This course will allow a student to become Honda certified in electrical fundamentals.

PREREQUISITES

AUTO 166

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Demonstrate the cognitive and manipulative skills necessary to complete electrical tasks.
2. Employ safe work habits, practicing personal safety habits and exhibiting a concern for the safety of others.
3. Inspect, analyze, and determine necessary actions to solve automotive electrical concerns and provide appropriate service.
4. Apply procedures necessary to successfully perform electrical operations.
5. Work successfully in a team environment.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

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<th>Outcomes</th>
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Revised 10/30/12
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Demonstrate the knowledge necessary to obtain industry recognized certifications.
2. Students will demonstrate the knowledge and thorough application of safety rules.
3. Students will exhibit professional behavior.
4. Students will practice teamwork and collaboration.
5. Students will communicate effectively using written and oral methods.
6. Students will be able to use mathematics as it pertains to the automotive technician.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written evaluations (1-4)
2. Oral evaluation (1-4)
3. Performance examinations (1-5)
4. Written laboratory assignments (1-5)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Processes and procedures

II. Laboratory orientation

III. Safety
   A. Tool safety
   B. Safe work habits
   C. Hoisting a vehicle

IV. Honda PACT Certification
   A. Honda Diagnostic System (HDS) Tablet operation
   B. Preliminary Diagnostic Trouble Code (DTC) diagnostic procedures
   C. Building a basic circuit
   D. Circuits and using the Electronic Troubleshooting Manual (ETM)
   E. Identify faults using power/ground schematics
   F. Servicing multi-pin connectors
   G. Measuring available voltage
   H. Measuring resistance
   I. Measuring current
   J. Measuring voltage drop
   K. Applying Ohm’s Law