SAN JUAN COLLEGE
Success Matters

PACT-125-HONDA HYBRID TECHNOLOGY 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course covers operation and diagnosis of hybrid system components and circuitry (multiplex and non-multiplex) systems. Hybrid safety is also covered. Safety is emphasized.

Co-requisites: PACT-120

Semester Offered: Fall

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in…

BROAD AND SPECIALIZED LEARNING
Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING
Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT
Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION
Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY
Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES
Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to…

1. Prepare the student with job entry level qualifications in hybrid power trains.
2. Completion of 100% of NATEF priority 1 tasks.
3. Completion of 85% of NATEF priority 2 tasks.
4. Completion of 75% of NATEF priority 1 tasks.

Specific Learning Outcomes

Upon successful completion of the course, the student will be able to…

1. Service and diagnosis of high voltage hybrid electrical systems and system circuits with an emphasis on safety.
2. Service diagnose and repair for lighting and motorized electrical system circuits for hybrid systems operation, service and diagnosis of body electrical system circuits for multiplexed and networking systems and hybrid system circuits.