

Assessment: Course Four Column



Courses (CTE) - Industrial Millwright Tech

IT 103:Industrial Pump Technology

Course Outcomes	Assessment Measures	Results	Actions
<p>Identify, explain, repair and, rebuild centrifugal, rotary, reciprocating, vacuum, and metering pumps - Identify, explain, repair and, rebuild centrifugal, rotary, reciprocating, vacuum, and metering pumps. Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Written Test - Written Tests and Performance Evaluations Criterion: 70% or better on written tests and 100% on Performance Evaluations for NCCER certifications</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 7 out of 11 received a grade above 70% on written test. 1 of the other 4 got 60% or higher. 2 of remaining 3 got above 50 %. Last one was at 36%. On performance Evaluation 5 out of 11 got 100%, 1 got 93%, 3 got 86%, 1 got 80%, and 1 got 73%. Results Analysis: For the most part results were good. The written test scores were a little low, partly because the book was not available in the bookstore on campus the first day of class. This has happened the last 2 years in a row. (10/23/2018)</p>	<p>Action: First idea is to work with my Dean and the bookstore rep. to solve this problem in the future. 2nd I plan to create a study group with a tutor at the ASC to try to help all written test scores in the future. (10/23/2018)</p>
<p>Net positive suction head and cavitation in pumping circuits - Explain and demonstrate net positive suction head and cavitation in pumping circuits. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Lab - Lab activity Criterion: Standard grade score apply above 90% =A, above 80%=B, above 70%=C, above 60% D</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 3 students scored 95% on activity, 4 scored 90%, 1 scored 75% 2 scored 70% and, 1 scored 65% Results Analysis: All students passed (10/23/2018)</p>	<p>Action: Continue with activity because of success rate (10/23/2018)</p>
<p>Different types of packing and packing materials. - Identify and explain different types of packing and packing materials Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Written Test - Written Tests and Performance Evaluations. Criterion: 70 % or better on written tests and 100% on Performance Evaluations for NCCER certifications</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 6 of 11 passed with 70 % or better, 4 scored 60% or better, 1 scored 33%. Performance Evaluation scores were 6 of 11 100%, 1 scored 98%, remaining 4 scored 96%.</p>	<p>Action: Continue with what is working as far as Performance Evaluation and try to add a study group for the written exam. (10/23/2018)</p>

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<p>Remove, inspect, and install packing and mechanical seals - Remove, inspect, and install packing and mechanical seals. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Performance evaluation - Performance Evaluations Criterion: 100% on Performance Evaluations for NCCER certifications</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes Performance Evaluation scores were 6 of 11 100%, 1 scored 98%, remaining 4 scored 96%</p> <p>Results Analysis: the written test scores were a little lower than anticipated, the Performance Evaluation scores were excellent. (10/23/2018)</p> <p>Results Analysis: Performance Evaluations were outstanding with the lowest score a 96%. (10/23/2018)</p>	<p>Action: Continue teaching the same way because of success rate. (10/23/2018)</p>
<p>Types and classifications of mechanical seals - Identify and explain types and classifications of mechanical seals. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Written Test - Written Tests and Performance Evaluation Criterion: 70 % or better on written tests and 100% on Performance Evaluations for NCCER certifications</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes Written test, 5 of 11 got 70% or better on written test, 2- scored 60% or better, 1 scored 50% or better, 2 40% or better, 1-scored 30%. Performance Evaluation scores were 9 of 11 were 100%, 1 was 75%, 1 was 40%.</p> <p>Results Analysis: the written test scores were a little lower than anticipated, the Performance Evaluation scores were excellent. (10/23/2018)</p>	<p>Action: Continue with what is working as far as Performance Evaluation and try to add a study group for the written exam. (10/23/2018)</p> <p>Follow-Up: Over the years of teaching CTE students, I have learned that many are much more successful with visual learning or hands on learning as indicated by the majority of high scores on the Performance Evaluations and lower scores on the written tests. With this class, I find it very important to continue with the methods of instruction in the lab that work so well over the years, and hope the ideas of study groups bring up written or classroom scores. In this course, I added a new lab that made students change a rubber liner in a 12"x 10" Warman brand pump because of comments from past years about not knowing how to accomplish this task in the field. Everyone in this section did well on this project and I believe it was a success and something I plan on</p>

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continuing to use every year
going forward in this class.
(10/23/2018)