Assessment: Course Four Column

Courses (CTE) - Industrial Millwright Tech

IT 208:Fluid Power

Course Outcomes	*Assessment Measures*	*Results*	*Actions*
Demonstrate the safety precautions to be applied when working on hydraulic systems and components - Demonstrate the safety precautions to be applied when working on hydraulic systems and components **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Evaluation -** Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises. **Criterion:** Students demonstrate competence by presenting demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 70%passed with 90% of better 30%passed with 80% -89% 10%passed with 70-79% 0%passed with 60-69% 0%passed with bellow 59% (no show) Results Analysis: Power point and reviewing manufactures recommendations, worked well for student understanding of this concept/ theory (10/10/2019)	**Action:** Implement daily safety topics relating to heavy equipment industry. (10/10/2019)
Identify and describe safety precautions to be applied when working on a hydraulic system fitted with a accumulator - Identify and describe safety precautions to be applied when working on a hydraulic system fitted with a accumulator **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Exam -** Verbal. Students demonstrate competence through oral examinations. **Criterion:** Students demonstrate competence by presenting oral demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 70%passed with 90% of better 30%passed with 80% -89% 10%passed with 70-79% 0%passed with 60-69% 0%passed with bellow 59% (no show) Results Analysis: Power point, reviewing manufactures recommendations and speaking about personal exeriences, worked well for student understanding of this concept/ theory (10/10/2019)	**Action:** Implement daily safety topics (10/10/2019)
Define different terms used in a hydraulic system - Define different	**Exam -** Written final exam **Criterion:** Students demonstrate	**Reporting Period:** 2018-2019 **Criterion Met:** Yes	

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terms used in a hydraulic system **Course Outcome Status:** Active **Next Assessment:** 2023-2024	competence by taking written exams of material covered in text and class discussions.	30% passed with 90% of better 30% passed with 80% -89% 30%passed with 70-79% 10%passed with 60-69% 0%passed with bellow 59% (no show) Results Analysis: Power point, lab work and textbook, worked well for student understanding of tasks and concept/ theory (10/10/2019)	
Identify graphic symbols for a hydraulic system - Identify graphic symbols for a hydraulic system **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Exam -** Written exam **Criterion:** Students demonstrate competence by taking written exams of material covered in text and class discussions.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 30% passed with 90% of better 30% passed with 80% -89% 30 %passed with 70-79% 10%passed with 60-69% 0%passed with bellow 59% (no show) Results Analysis: Power point, fluid power books and lab work, worked well for student understanding of tasks and concept/ theory (10/10/2019)	**Action:** Design a symbols workbook for students to study and review in class (10/10/2019)
Identify and state the function of different types of hydraulic pumps, control valves and actuators - Identify and state the function of different types of hydraulic pumps, control valves and actuators **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Evaluation -** Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises **Criterion:** Students demonstrate competence by presenting demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 80% passed with 90% of better 20% passed with 80% -89% 0%passed with 70-79% 0%passed with 60-69% 0%passed with bellow 59% (no show) Results Analysis: Power point, fluid power books and lab work, worked well for student understanding of tasks and concept/ theory (10/10/2019)	
Identify hydraulic components and describe flow in a simple hydraulic circuit - Identify hydraulic components and describe flow in a	**Evaluation -** Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 32% passed with 90% of better 52% passed with 80% -89%	**Action:** Implement more shop equipment exercises into the class (10/10/2019) **Follow-Up:** This was my first year

Course Outcomes	Assessment Measures	Results	Actions
simple hydraulic circuit **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Criterion:** Students demonstrate competence by presenting demonstrations in groups and individually with instructor.	16%passed with 70-79% 0%passed with 60-69% 0%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student understanding of tasks and concept/ theory (10/10/2019)	teaching this hydraulic course but using previous materials and implementing materials from the other instructors as well as my training at Fluid Power in Salt Lake the course went pretty well improving as I went. Next year I plan to have all the training boards set up with load checks so that we can all be doing the same exercises at the same time not rotating different exercises on different boards. Also implementing removing and replacing hydraulic cylinders on the Sandvic mucker. (10/10/2019)