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| **Automated Industrial Technology AIT 115**  **2022-2023 Assessment Report** |
| **Assessment Reporting Form:** This report is to show that academic assessment is occurring and that the results are being used to make changes to improve student learning. The assessment being reported could be for Program Learning Outcomes (PLOs), Measurable Student Level Outcome (MSLOs), and/or Course Common Student Learning Outcomes (CSLOs). Each program should be assessing and gathering data for at least **two** PLOs OR **two** MSLOs that contain CSLOs each year.  On the Baseline Assessment Reporting Form, please record the baseline for the percentage of students who are proficient in the student learning outcome(s) assessed and identify improvements that will be made to increase that percentage. Later, you’ll complete a follow-up assessment (recorded on a Follow-Up Assessment Reporting Form) to ascertain whether the adopted improvements resulted in an increased percentage of students proficient in the assessed learning outcome(s). |
| **Course or Program Assessment Details Due Oct. 13, 2022** |
| **1. Program name or course name and number**: Automated Industrial Technology, AIT115 Hydraulic Systems |
| **2. Division in which the program or course is located**: Skilled Trades and Industrial Technology |
| **3. Date form completed**: 9/19/2022 |
| **4. Name of person completing report**: Paul Mace and Lexi Porterfield |
| **5. Semester and year in which the assessment was conducted**: Fall 2022 |
| **6. Number of student participants**: 16 students |
| **7. Number of faculty/staff participants**: 2 |
| **8. What PLOs and/or MSLOs and CSLOs did you assess for this baseline assessment? (For clarity, please label each measure listed as a PLO, MSLO, or CSLO.)**  1. (Analyzing Level) Interpret hydraulic schematics, including identifying schematic symbols, process flow, and operation of the components and systems. (CSLO 2,4)  3. (Analyzing Level) Operate hydraulic systems, including the adjustment of hydraulic pressure control valves in the given hydraulic systems. (CSLO 2,4) |
| **9. Describe the assessment method used and the criteria for successful achievement of student learning outcomes. (e.g., rubrics, licensing exam, internship, portfolio, exam, quiz, research paper, performance exam, EAC, etc.)**  1. Amatrol online quiz scores. Passing score is 60% or greater; proficiency in the subject is 70% or greater.  3. In-person lab evaluation by instructor for each assigned lab. Passing score is 60% or greater; proficiency in the subject is 70% or greater. |
| **Course or Program Assessment Results & Evaluation Due December 10, 2021** |
| **10. What percentage of the participating students were proficient in the PLOs, MSLOs or CSLOs?  What percentage of correct answers was determined as proficient? (For example, a student must answer 70% of the questions correctly to be considered proficient.)**  1. 87% of students achieved proficiency in Amatrol on-line quiz scores (grade of 70% or higher);  3. 100% of students achieved proficiency in in-person evaluation of assigned labs (grade of 70% or higher) |
| **11. What changes/improvements were made or will be made in response to the outcomes of the assessment process?**  Students will be reminded at least 4 times during the semester to complete the on-line coursework in a timely manner. |
| ***Feel free to attach your PLOs OR MSLOs and CSLOs and indicate which were assessed***  1. (Analyzing Level) Interpret hydraulic schematics, including identifying schematic symbols, process flow, and operation of the components and systems. (CSLO 2,4) 2, (Applying Level) Install components of hydraulic systems. (CSLO 2,4) 3. (Analyzing Level) Operate hydraulic systems, including the adjustment of hydraulic pressure control valves in the given hydraulic systems. (CSLO 2,4) 4. (Evaluating Level) Perform maintenance on hydraulic components, including inspection, removal, and replacement. (CSLO 2,4) 5. (Analyzing Level) Test components of hydraulic systems. (CSLO 2,4) 6. (Evaluating Level) Troubleshoot malfunctioning components of hydraulic systems. (CSLO 2,4) |

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| **Feedback Rubric** | | | | | |
| **Category** | **1 - Developing** | **2 – Satisfactory** | **3 - Exemplary** | **Score** | **Feedback** |
| **Outcomes Identified** | Outcomes to be assessed were not clear | Outcomes to be assessed were identified but were not aligned to CSLOs | PLOs or MSLOs to be assessed were identified and aligned with CSLOs | **3** |  |
| **Scope of Assessment** | The assessment was given by only one faculty member and/or to one class | The assessment was given by a few faculty members to several classes, but it was not district-wide | The assessment was given district-wide by all faculty teaching the course. | **2** | **Please describe more about the quiz from Amatrol. (e.g., rubrics, licensing exam, internship, portfolio, exam, quiz, research paper, performance exam, EAC, etc. It will help give weight to the quality of the quiz you are administering.** |
| **Quality of Assessment** | The assessment did not have articulated criteria for assessment of knowledge, skills, and attitudes (e.g., rubrics, exemplary work). | The assessment somewhat articulated criteria for assessment of knowledge, skills, and attitudes (e.g., rubrics, exemplary work). | The assessment clearly articulated criteria for assessment of knowledge, skills, and attitudes (e.g., rubrics, exemplary work). | **2** | **Do you have any influence on the questions being asked? Is there a way for you to evaluate the content of the exam? It may be helpful to add some explanation of how the test is created and updated.** |
| **Interpreting Results** | Data of assessment results was not provided. | Data of assessment results was provided and there was evidence that the results were somewhat analyzed | Data of assessment results was provided and there was evidence that the results were analyzed in depth | **2** | Thank you for sharing your response to this question. It's great to see that you have provided specific information about the percentage of students who achieved proficiency in two different assessment formats.    To provide constructive feedback, I would suggest that you consider providing more information about the specific PLOs, MSLOs, or CSLOs that were assessed through these formats. This will help to ensure that your response is focused on the specific learning outcomes that were assessed. |
| **Reflection and Future Action** | Reflection of the results of the assessment was not apparent and no changes and/or improvements based on them were identified. | Reflection of the results of the assessment was somewhat clear and one change and/or improvements based on them was identified. | Reflection of the results of the assessment was clear and several changes and/or improvements based on them were identified. | **1** | To provide constructive feedback, I would suggest that you consider providing additional details about how you plan to remind students about completing online coursework. For example, will you be sending email reminders or using a learning management system to provide notifications? Providing specific details about your plan can help to ensure that it is actionable and effective.    Additionally, it might be helpful to consider whether there are any other steps you can take to support student engagement with online coursework. For example, can you provide additional resources or support to help students better understand the coursework? Can you adjust the pacing or format of the coursework to better meet the needs of your students? |
| **Additional Comments:**  Overall, your response is a good starting point, but providing more specific details and considering additional steps to support student engagement can help to ensure that your assessment process leads to meaningful improvements in your program. | | | | | |



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| **Course or Program Assessment Details Due May 18, 2022** |
| **1. Program name or course name and number**:  Automated Industrial Technology, AIT115 Hydraulic Systems |
| **2. Division in which the program or course is located**:  Skilled Trades and Industrial Technology |
| **2. Date form completed**:  **05/04/2023** |
| **3. Name of person completing report**:  Paul Mace |
| **4. Semester and year in which the assessment was conducted**:  Fall 2022 |
| **5. Number of student participants**:  16 |
| **6. Number of faculty/staff participants**:  2 |
| **7. What PLOs and/or MSLOs and CSLOs did you assess for this baseline assessment? (For clarity, please label each measure listed as a PLO, MSLO, or CSLO.)**  1. (Analyzing Level) Interpret hydraulic schematics, including identifying schematic symbols, process flow, and operation of the components and systems. (CSLO 2,4)  3. (Analyzing Level) Operate hydraulic systems, including the adjustment of hydraulic pressure control valves in the given hydraulic systems. (CSLO 2,4) |
| **8. Describe the assessment method used and the criteria for successful achievement of student learning outcomes. (e.g., rubrics, licensing exam, internship, portfolio, exam, quiz, research paper, performance exam, EAC, etc.)**  1. Amatrol online quiz scores. Passing score is 60% or greater; proficiency in the subject is 70% or greater.  3. In-person lab evaluation by instructor for each assigned lab. Passing score is 60% or greater; proficiency in the subject is 70% or greater. |
| **9. What percentage of the participating students were proficient in the PLOs, MSLOs or CSLOs?  What percentage of correct answers was determined as proficient? (For example, a student has to answer 70% of the questions correctly to be considered proficient.)**  1. 87% of students achieved proficiency in Amatrol on-line quiz scores (grade of 70% or higher);  3. 100% of students achieved proficiency in in-person evaluation of assigned labs (grade of 70% or higher) |
| **10. What changes/improvements were made or will be made in response to the outcomes of the assessment process?**  Students will be reminded at least 4 times during the semester to complete the on-line coursework in a timely manner. Note: These reminders are now routine in all classes using on-line Amatrol coursework. |
| **Additional Comments or feedback on the Assessment Process (Optional):** |