**LBHC Program learning outcome report (2023-24)**

**I. General information**

| **Degree or certificate name** | Building Trades certificate |
| --- | --- |
| **Degree option names** | - |
| **Date report submitted** | 05.08.2024 |
| **Program faculty who contributed to this report** | Tim Wagner |
| **Program learning outcome** (refer to your program learning outcomes curriculum map and plan for the PLO to be formally assessed this year) | 7. Demonstrate basic HVAC skills. |
| **Course that formally assesses this program learning outcome at its highest level** (see program learning outcome curriculum map and plan) | BT 137 |
| **Number of students assessed for this program learning outcome** | 8 |
| **Semester students were assessed** (e.g., fall 2023) | Spring 2024 |

**II. Assessment of indicators for the program learning outcome** (add more rows if necessary)

| **Break down your program learning outcome into indicators** (maybe taken from rubric): Students should be able to… | List the most significant **teaching and learning activities** used by faculty to facilitate the learning of each PLO indicator in their class(es) | List the **graded assignment(s) that formally assesses** each indicator at its highest level | **Results of assessment:** For each indicator, record the % or # of students who performed below, at, or above expected levels (or enter whatever information makes sense to you) | **Overall, how well did the students perform on each indicator?** (insert an “X” before the appropriate statement) |
| --- | --- | --- | --- | --- |
| Assess the whole HVAC situation | Demonstrations by instructor.  Hands-on practice by students. | Tests (written and oral) | Below expected levels:  At expected levels: X  Above expected levels: | Below expected levels  At expected levels X  Above expected levels |
| Demonstrated the use of test equipment | Students tested parts and equipment | Visual demonstrations | Below expected levels:  At expected levels:  Above expected levels: X | Below expected levels  At expected levels  Above expected levels X |
| Explain parts of furnace and air conditioning systems | Demonstrations by instructor.  Hands-on practice by students. | Visual demonstrations | Below expected levels:  At expected levels:  Above expected levels: X | Below expected levels  At expected levels  Above expected levels X |

**III. Overall assessment of this program learning outcome** (please be thorough in all responses)

| **Overall, how well did the students perform on this PLO?** (insert an “X” before the appropriate statement) | Below expected levels  At expected levels X  Above expected levels |
| --- | --- |
| **Analyze assessment of PLO indicator results in section II:** What does the information in section II suggest to you about the performance expectations, the teaching strategies, and student learning? | At expected levels |
| **Next steps:** Plans for reinforcing effective teaching and learning strategies and for improving student learning (clearly identify what will be done, by whom, by when, and how you will assess the impact of the changes) | Structure or group order of chapters in the text book because the book is currently structured in a way that doesn't make sense.  Include more visual demonstrations (get a laptop).  More hands-on practice will be possible in a different setting or lab. |
| **Projected semester of implementing “next steps”** | Fall 2024 |
| **Results of “next steps” implementation on student learning – this section is to be completed the following year** (describe how the implementation of the above “next steps” impacted student learning in the program) |  |
| **Date “results of ‘next steps’ implementation” section above submitted** |  |
| **Suggestions** for improving this report or process (if any) |  |