

Course Title: INT-105 Plumbing and Pipefitting

Date: Spring 2017

Course Team: Richard Calhoun

Expected Learning Outcomes

- Identify basic tools and materials of the plumbing trade.
- Develop safe and effective application skills from cognitive learning.
- Demonstrate effective fabrication of materials in the plumbing profession.
- Demonstrate effective installation of common plumbing fixtures.
- Describe the key plumbing trade terms and definitions.
- Assess basic plumbing trouble shooting skills.

Assessment

- Total of 3 tests throughout the semester
- Classroom lab exercises and assignments

Validation

- Comparison of students grades with previous semesters
- Consult internship supervisors and companies about performance of interns and hired students based on ability and knowledge gained.
- The evaluation of student performance and ability to transfer knowledge to next level of class in the program.

Results

- The results of tests who how much of the content the students have retained throughout the semester
- Hands on exercises show the capability of students to transfer knowledge they have read into hands on applications
- Internships will measure the student outcomes in a real world environment through feedback from internship supervisor
- **Spring 2017**
 - Class average 92%. Previous semester 90%
 - Students were successful at performing hand on classroom assignments 91% average

Follow-up

- The data will be evaluated to improve teaching techniques
- The data will be evaluated to help us remain up to date with technology changes.

Budget Justification

- Update textbook to include changes in technology
- Update classroom equipment to keep pace with changes in technology