

**COURSE SYLLABUS**

**DIVISION:** Workforce Services

**DATE:** January 2015

**CURRICULA IN WHICH COURSE IS TAUGHT:** Non-Curricula and Building Trades Technology

**COURSE NUMBER AND TITLE:** BLD 20-Introduction to Plumbing

**CREDITS HOURS:** 2

**HOURS PER WEEK LECTURE:** 1

**HOURS PER WEEK LAB:** 2

**LECTURE/LAB COMBINATION:** 3 (0)

**I. CATALOG DESCRIPTION:** BLD 20 – Introduction to Plumbing - including the background and history of plumbing, presents an introduction to the principles and practices of plumbing as related to light construction. Enables students to plan, prepare for, and install supply and waste lines, and install kitchen and bath fixtures.

**II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES IN WHICH IT IS TAUGHT:** Course provides the basics of plumbing.

**III. REQUIRED BACKGROUND:** None.

**IV. COURSE CONTENT:**  
 This course covers the principles and practical aspects of plumbing. Students will gain the practical skills required for pipe jointing, together with knowledge of basic plumbing systems layout and installation of plumbing, Hot water heating system, sanitation, and venting systems work, along with all the generic modules of health and safety, working relationships and energy efficiency, for the home and the work place. Lab will consist of hands-on experience with installing plumbing materials, use of tools and joining of Plumbing materials and. Students will learn and will be given hands-on experience and installation of Plumbing fixtures and how to repair Plumbing fixtures and piping.

**V. LEARNER OUTCOMES:**

**VI. EVALUATION:**

<p>Upon complete of the class, students will have an understanding of or be able to demonstrate the following:</p> <ul style="list-style-type: none"> <li>✓ Understanding the history and background of plumbing</li> <li>✓ Understanding of a basic plumbing system</li> <li>✓ Understanding principles and practices of plumbing</li> <li>✓ Demonstrate the installation of Plumbing piping and fittings</li> <li>✓ Perform basic Plumbing repairs</li> </ul>	<p>Students must show passing grade on combination of attendance, participation, quizzes/tests, homework, and exams</p>
---	---

**The course supports the following DCC Education Objectives:**

1. Communication
2. Critical Thinking