

COURSE SYLLABUS

DIVISION: Workforce Services

Revised: January 2015

CURRICULA IN WHICH COURSE IS TAUGHT: Non-Curricula

COURSE NUMBER AND TITLE: BLD 195 Topics in Plumbing I

CREDITS HOURS: 3

HOURS PER WEEK LECTURE: 3

HOURS PER WEEK LAB: 0

LECTURE/LAB COMBINATION: 3 (0)

I. CATALOG DESCRIPTION: BLD 195 -- TOPICS IN PLUMBING I includes the study understanding the Uniform Statewide Building Code and the **current** International Plumbing Code as it relates to understanding blueprints and their symbols; the Cabo/Ansi A117 Standard Code for Accessible Facilities, water heaters, water supply and distribution systems and sizing water lines.

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES IN WHICH IT IS TAUGHT: Non-Curricula Course.

III. REQUIRED BACKGROUND: None.

IV. COURSE CONTENT:

- a. Study of Plans and Symbols
- b. CABO ANZI A117 Handicap Requirements
- c. Single Family Dwelling – Plumbing
- d. Water Heaters
- e. Water Distribution and Supply Systems
- f. Sizing Water Lines
- g. Materials and Fittings
- h. Maximum Flow Rates and Water Consumption
- i. Joints and Connections
- j. Protection of Potable Water Supply

V. LEARNER OUTCOMES

VI. EVALUATION

Understanding of fixture traps, the methods of sizing traps, and the type of traps that are prohibited.	Class assignments, participation and discussion Written quizzes and test
Understanding of the different types of interceptors and separators, their design, and when they are required.	Class assignments, participation and discussion Written quizzes and test
Learning what backwater valves are and when they are required;	Class assignments, participation and discussion Written quizzes and test
Learning to size drains and combined sanitary and storm drains systems; sizing leaders, conductors	Class assignments, participation and discussion Written quizzes and test

The course supports the following objectives:

1. Communication
2. Critical Thinking
3. Computational and Computer Skills
4. Understanding Culture and Society