COMMON COURSE OUTLINE: Course discipline/number/title: BU 1530: Plumbing Theory

A. CATALOG DESCRIPTION
   1. Credits: 1
   2. Hours/Week: 1
   3. Prerequisites (if any): None
   4. Co-requisites (if any): None
   5. MnTC Goals (if any): NA

   This course covers various basic aspects of the plumbing trade. Consideration will be given to sanitary and waste systems including proper venting.

B. DATE LAST REVISED (use current date): October 2013

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. Plumbing Safety
   2. Tools
   3. Pipe (Copper, steel, PVC, PEX, CPVC, PE, ABS)
   4. Fitting Identifications
   5. Cast Iron - Lead and Oakum Joint
   6. Drainage, Waste and Vent
   7. Symbols
   8. Blueprint Reading

D. LEARNING OUTCOMES (GENERAL): The student will be able to distinguish the basic operations to:
   1. Recognize various plumbing materials.
   2. Understand proper joint preparation.
   3. Recognize pipe and fitting.
   4. Know how to properly identify pipe fittings.
   5. Understand vent systems.
   6. Critique plumbing installations.
   7. Read plumbing blueprints.
   8. Recognize various plumbing systems.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Assignments
   2. Unit tests
   3. Midterm Test
   4. Final Test

G. RCTC CORE OUTCOME(S) ADDRESSED:
   - Communication
   - Critical Thinking
   - Global Awareness/Diversity
   - Civic Responsibility
   - Personal/Professional Accountability
   - Aesthetic Response

H. SPECIAL INFORMATION (if any):
   Plumbing Hazardous Materials